

# 852 Product Activity Data

The goal of this UCS 852 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**

# **CRP UCS 852 Product Activity Report Version 004010**

The purpose of this implementation guide is to transfer specific information about how Safeway has built their CRP 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 supports ECR/EDI activity through a centralized location for North America.

### **Information contained in the 852 transaction**

Safeway 852 data is based on inventory activity at our Distribution Center (DC) level. The information is sampled once each day, 7 days a week, after the shipping activity for the DC closes. The 852 transaction will include all of the item activity for as specific group of items that ship to the DC specified in the ship to duns location as listed in the N904 element. Normal item activity is reported as 4 different quantities. The first quantity reported is quantity on hand at the end of the shipping day, coded as “QA”. The second quantity reported is the quantity on order that has not been received, coded as “QP”. The third quantity reported is the quantity that was shipped from the DC that day, coded as “QS”. The fourth quantity reported is the quantity that was shorted from orders due to ship from the DC that day, coded as “QO”.

### **Discontinued Items**

In addition to reporting the product activity based on quantity information, Safeway will also use the 852 transaction to report on the change of status of an item that has been carried in the DC.

When Safeway determines that an item will be discontinued, the status of that item is changed to “X”. That item still has stock in the DC but will not be ordered from the supplier again. When the stock in the DC is depleted, the status of that item is changed to “D” discontinued. Items are handled on a DC by warehouse basis and an item discontinued in one DC may still be valid for other DCs.

When the item is placed in the “X” pending discontinue status, the 852 that is sent for the next 2 days for that item, for that DC, will contain a ZA segment with the activity code of **QN** and a quantity of zero. (i.e. ZA\*QN\*0\*CA\*007\*20040125~). Once this item has been reported to the supplier with the QN qualifier, the Safeway systems will no longer accept this line item on future suggested purchase orders. If this item is contained on an 855 from the supplier, that item will be deleted from the ensuing purchase order and an application advice (824) transaction will be sent back containing that error message..

Subsequent to this action, the item will be changed to a discontinued status when the stock is depleted in the DC. When that status change to “D” occurs, the 852 that is sent for the next 2 days for that item, for that DC, will contain a ZA segment with the activity code of **QW** and a quantity of zero. (i.e. ZA\*QW\*0\*CA\*007\*20040202~).

### **Promotion Order Quantity (POQ)**

Safeway will send POQ information in the 852 transaction. Safeway maintains the distribution center inventory forecast levels based on the expected quantity of product that will be shipped to our stores. When a promotion is forecast, it represents the total quantity to be shipped to the stores for the week.

Safeway has added this forecast data to the EDI 852 transaction on Sunday of each week. The data will be in the ZA segment for all replenishment products for the next 8 weeks. The quantity will be qualified as **QX** (Quantity Requested) and will be the total quantity that we expect to ship from the distribution center that week converted to master cases. One ZA QX segment will be present for each week. We expect the vendor will take this quantity, adjust it for normal order multiples and create suggested orders to keep the distribution center supplied.

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## **For**

### **CRP UCS 852 Product Activity Report Version 004010**

#### **Efficient Order Quantity (EOQ)**

The Efficient Order Quantity concept is a process that Safeway has been working on to improve the ordering efficiency for our VMI partners. What this involves is the addition of the **QTY** segment within the **LIN** detail loop of the 852. In this segment Safeway will pass the minimum order quantity for any represented item. The qualifier in this segment will be "57" representing "Minimum Ordering Quantity". **If there is no minimum ordering quantity to report, the segment will still be present and will have a value of "0"**. This will transmit once each week on Tuesday mornings.

Please work with your Safeway buyer if there are any discrepancies.

**UCS 852 Product Activity Data**  
**Version Release 004010UCS**

**Functional Group ID = PD**

**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	XQ	Reporting Date/Action	M	1
050	PER	Administrative Communications Contact	O	3
<b>LOOP ID 300– N1 (Loop Repeat 200)</b>				
060	N1	Name	O	1
070	N2	Additional Name Information	O	1
080	N3	Address Information	O	2
090	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	O	1
060	QTY	Quantity	M	1
<b>LOOP ID 080– ZA (Loop Repeat &gt;1)</b>				
070	ZA	Product Activity Reporting	M	1

**SUMMARY**

Position	Segment ID	Name	Req	Max Use
010	CTT	Total Purchase Order	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 852 004010  
PRODUCT ACTIVITY DATA**

Last Modified: 01/03/08 09:00 AM

EDI	NAME	STANDARDS					SAFEGWAY
		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 \*030103\*0012\*U\*00401\*000052130\*0\*P\*>~

GS	Functional Group Header						
GS01	FUNCTIONAL ID CODE	479	M	2	2	ID	FUNCTIONAL ID CODE: PD
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\*OG\*8019721193\*1234567891\*20030128\*1040\*960\*T\*004010UCS~

ST	Transaction Set Header						
ST01	TRANSACTION SET ID CODE	143	M	3	3	ID	TRANSACTION SET CODE: 852
ST02	TRANSACTION SET CONTROL NUMBER	329	M	4	9	AN	CONTROL NUMBER RELATIVE TO GS06

Sample Data:

ST\*852\*42821001~

**UCS 852 004010**  
**PRODUCT ACTIVITY DATA**

Last Modified: 01/03/08 09:00 AM

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

XQ	Reporting Date/Action						
XQ01	TRANSACTION HANDLING CODE	305	M	1	2	ID	'G' = PLAN ORDER(S) & SHIP PRODUCT
XQ02	DATE	373	M	8	8	DT	DATA CREATION DATE

Sample Data:  
XQ\*G\*20030102~

PER	Administrative Communications Contact						
PER01	CONTACT FUNCTION CODE	366	M	2	2	ID	'BD' = BUYER NAME OR DEPARTMENT
PER02	NAME	93	O	1	60	AN	BUYER NAME
PER03	COMMUNICATION NUMBER QUALIFIER	365	C	2	2	ID	'TE' = TELEPHONE
PER04	COMMUNICATION NUMBER	364	C	1	80	AN	TELEPHONE NUMBER

Sample Data:  
PER\*BD\*JOHN DOE\*TE\*9251234567~

N1	Vendor Name	Vendor information loop					
N101	ENTITY ID CODE	98	M	2	3	ID	'VN' = VENDOR NAME
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\*VN\*GOOD FOODS INC\*9\*0010000000000~

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

Sample Data:  
N4\*SEATTLE\*WA\*94500~

N1	Ship-to Name	Ship-to information loop					
N101	ENTITY ID CODE	98	M	2	3	ID	'ST' = SHIP-TO 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	009137209nnnn – SEE 'SHIP-TO DUNS LIST'

Sample Data:  
N1\*ST\*SAFEWAY INC\*9\*0091372092720~

**UCS 852 004010**  
**PRODUCT ACTIVITY DATA**

Last Modified: 01/03/08 09:00 AM

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

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

Sample Data:  
N2\*SEATTLE FRESH MEAT~

N3	Ship-to Address Information	Ship-to information loop					
N301	ADDRESS INFORMATION	166	M	1	55	AN	WAREHOUSE STREET ADDRESS

Sample Data:  
N3\*1227-124TH AVE. NE~

N4	Ship-to Geographic Location	Ship-to information loop					
N401	CITY NAME	19	O	2	30	AN	SHIP-TO CITY NAME
N402	STATE OR PROVINCE CODE	156	O	2	2	ID	SHIP-TO STATE
N403	POSTAL CODE	116	O	3	15	ID	SHIP-TO POSTAL CODE

Sample Data:  
N4\*BELLEVUE\*WA\*98005~

N1	Bill-to Name	Bill-to information loop					
N101	ENTITY ID CODE	98	M	2	3	ID	'BT' = BILL-TO ENTITY
N102	NAME	93	C	1	60	AN	BILL-TO NAME
N103	ID CODE QUALIFIER	66	C	1	2	ID	'9' = INDICATES 'DUNS +4'
N104	ID CODE	67	C	2	80	AN	0091372091700

Sample Data:  
N1\*BT\*SAFEWAY INC\*9\*0091372091700~

N2	Bill-to Additional Name Information	Bill-to information loop					
N201	NAME	93	M	1	60	AN	BILL-TO ADDITIONAL NAME

Sample Data:  
N2\*NATIONAL SERVICES CENTER~

N3	Bill-to Address Information	Bill-to information loop					
N301	ADDRESS INFORMATION	166	M	1	55	AN	BILL-TO ADDRESS

Sample Data:  
N3\*P.O. BOX 29093~

N4	Bill-to Geographic Location	Bill-to information loop					
N401	CITY NAME	19	O	2	30	AN	BILL-TO CITY
N402	STATE OR PROVINCE CODE	156	O	2	2	ID	BILL-TO STATE
N403	POSTAL CODE	116	O	3	15	ID	BILL-TO POSTAL CODE

Sample Data:  
N4\*PHOENIX\*AZ\*85038~

**UCS 852 004010**  
**PRODUCT ACTIVITY DATA**

Last Modified: 01/03/08 09:00 AM

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

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

Sample Data:  
 LIN\*\*UA\*002100062663\*PI\*80000223~

QTY	Quantity	Quantity Loop					
QTY01	QUANTITY ID QUALIFIER	673	M	2	2	ID	'57' = MINIMUM ORDERING QUANTITY
QTY02	QUANTITY	380	C	1	15	R3	ORDERING QUANTITY
QTY03	QUANTITY UNIT OF MEASURE	355	O	2	2	ID	'CA' = CASES

Sample Data:  
 QTY\*57\*50\*CA~

ZA	Product Activity Reporting	Product Activity Reporting Loop					
ZAO1	ACTIVITY CODE	859	M	2	2	ID	'QA' = CURRENT INVENTORY QUANTITY AVAILABLE FOR SHIPMENT OR SALE 'QO' = QUANTITY OUT OF STOCK 'QP' = QUANTITY ON ORDER, NOT YET RECEIVED 'QS' = QUANTITY SOLD 'QT' = ADJUSTMENT TO INVENTORY QUANTITY (Only sent when applicable) 'QN' = PLANNED INVENTORY QUANTITY (Do not order when ZA02 = 0) 'QW' = ITEM WITHDRAWN FROM WAREHOUSE (Do not order) 'QX' = Quantity requested (used to report POQ) 'QT' = Warehouse Adjustment Quantity
ZAO2	QUANTITY	380	M	1	15	R3	NUMERIC VALUE OF QUANTITY
ZAO3	UNIT OR BASIS FOR MEASUREMENT CODE	355	M	2	2	ID	'CA' = CASE UNIT OF MEASURE IN WHOLE NUMBER FORM R3
ZAO4	DATE/TIME QUALIFIER	374	M	3	3	ID	'007' = EFFECTIVE DATE '077' = Requested for delivery week of (used to designate week ending date for POQ)
ZAO5	DATE	373	M	8	8	DT	DATE THAT DATA WAS PULLED or Week ending date for POQ

Sample Data:  
 ZA\*QW\*0\*CA\*007\*20030102~  
 ZA\*QA\*90\*CA\*007\*20030102~  
 ZA\*QP\*50\*CA\*007\*20030102~  
 ZA\*QS\*40\*CA\*007\*20030102~  
 ZA\*QO\*0\*CA\*007\*20030102~  
 ZA\*QT\*3\*CA\*007\*20030102~

CTT	Transaction Totals	Transaction Totals Loop					
CTT01	NUMBER OF LINE ITEMS	354	M	1	6	NO	TOTAL NUMBER OF 'LIN' ITEM IN THE CURRENT TRANSACTION SET

Sample Data:  
 CTT\*2~



**UCS 852 004010**  
**PRODUCT ACTIVITY DATA**

Last Modified: 01/03/08 09:00 AM

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

SE	Transaction Set Trailer						
SE01	NUMBER OF INCLUDED SEGMENTS	96	M	1	10	NO	# OF SEGMENTS FROM ST TO SE
SE02	TRANSACTION SET CONTROL NUMBER	329	M	4	9	AN	MUST BE SAME # AS IN <b>ST</b> SEGMENT

Sample Data:  
 SE\*27\*42821001~

GE	Functional Group Trailer						
GE01	NUMBER OF TRANSACTION SETS INCLUDED	97	M	1	6	NO	# OF SETS IN FUNCTIONAL GROUP
GE02	GROUP CONTROL NUMBER	28	M	1	9	NO	SAME AS <u>GS06</u>

Sample Data:  
 GE\*1\*42821~

IEA	Interchange Control Trailer						
IEA01	# OF INCLUDED FUNCTIONAL GROUP	I16	M	1	5	NO	# OF GROUPS IN THE INTERCHANGE
IEA02	INTERCHANGE CONTROL NUMBER	I12	M	9	9	NO	SAME NUMBER AS <u>ISA13</u>

Sample Data:  
 IEA\*1\*000052130~

**Sample UCS 852 004010 Raw Data**

ISA\*00\* \*00\* \*08\*9251750000 \*12\*7160000000 \*030103\*0012\*U\*00401\*000052130\*0\*P\*>~  
GS\*PD\*8019721193\*7160000000\*20030103\*0012\*42821\*T\*004010UCS~  
ST\*852\*42821001~  
XQ\*G\*20030102~  
PER\*BD\*JOHN DOE\*TE\*9251234567~  
N1\*VN\*GOOD FOODS INC\*9\*0010000000000~  
N3\*1100 N HIGHLANDS PKWY~  
N4\*SEATTLE\*WA\*94500~  
N1\*ST\*SAFEWAY INC\*9\*0091372092720~  
N2\*SEATTLE FRESH MEAT~  
N3\*1227-124TH AVE. NE~  
N4\*BELLEVIEW\*WA\*98005~  
N1\*BT\*SAFEWAY INC\*9\*0091372091700~  
N2\*NATIONAL SERVICES CENTER~  
N3\*P.O. BOX 29093~  
N4\*PHOENIX\*AZ\*85038~  
LIN\*\*UA\*002100062661\*PI\*80000222~  
QTY\*57\*30\*CA~  
ZA\*QN\*0\*CA\*007\*20030102~  
ZA\*QA\*0\*CA\*007\*20030102~  
ZA\*QP\*0\*CA\*007\*20030102~  
ZA\*QS\*0\*CA\*007\*20030102~  
ZA\*QO\*0\*CA\*007\*20030102~  
LIN\*\*UA\*002100062662\*PI\*80000223~  
QTY\*57\*0\*CA~  
ZA\*QA\*0\*CA\*007\*20030102~  
ZA\*QP\*0\*CA\*007\*20030102~  
ZA\*QS\*0\*CA\*007\*20030102~  
ZA\*QO\*0\*CA\*007\*20030102~  
ZA\*QT\*3\*CA\*007\*20030102~  
ZA\*QX\*34\*CA\*077\*20030125~  
ZA\*QX\*64\*CA\*077\*20030201~  
ZA\*QX\*72\*CA\*077\*20030208~  
ZA\*QX\*32\*CA\*077\*20030215~  
CTT\*2~  
SE\*31\*42821001~  
GE\*1\*42821~  
IEA\*1\*000052130~

**SUMMARY NOTES**

When Safeway determines that an item will be discontinued the status of that item is changed to "X". That item still has stock in the warehouse but will not be ordered from the supplier again. When the stock in the warehouse is depleted the status of that item is changed to "D" discontinued. Items are handled on a warehouse by warehouse basis and an item discontinued in one warehouse may still be valid for other warehouses.

When the item is placed in the "X" pending discontinue status, the 852 that is sent for the next 2 days for that item, for that warehouse, will contain a ZA segment with the activity code of **QN** and a quantity of zero. (i.e. ZA\*QN\*0\*CA\*007\*20040125~). Once this item has been reported to the supplier with the QN qualifier, the Safeway systems will no longer accept this line item on future suggested purchase orders. If this item is contained on an 855 from the supplier that item will be deleted from the ensuing purchase order.

Subsequent to this action, the item will be changed to a discontinued status when the stock is depleted in the warehouse. When that status change to "D" occurs, the 852 that is sent for the next 2 days for that item, for that warehouse, will contain a ZA segment with the activity code of **QW** and a quantity of zero. (i.e. ZA\*QW\*0\*CA\*007\*20040202~).