

831 Application Control Totals

The goal of this documentation is to present the EDI X12 831 Transaction Set as it pertains to Safeway Inc.'s EFT/820 process and how it is currently utilized in accordance with the retail industry's electronic financial standards.

This map does not vary from the ANSI X12 standards but defines only the segments and data elements as required or provided by Safeway. All specific values are clearly noted in the description or enumerated in tables presented.

X12 831 Application Control Totals
Version Release 004010

Functional Group ID = CT

The following specifications contain the Application Control Totals Transaction Set (EDI 831) for use in the EDI EFT financial transactions.

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	BGN	Beginning Segment	M	1
040	N9	Reference Identification	O	>1
050	TRN	Trace	O	>1
LOOP ID – GROUP AMT (Loop Repeat >1)				
060	AMT	Amount	M	1
070	QTY	Quantity	O	1
080	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

X12 831 004010
APPLICATION CONTROL TOTALS

Last Modified: 09/28/2004 8:42 AM

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	I05	M	2	2	ID	__ = TRADING PARTNER'S EDI ID QUALIFIER
ISA08	INTERCHANGE RECEIVER ID	I07	M	15	15	AN	TRADING PARTNER'S ISA COMM ID
ISA09	INTERCHANGE DATE	I08	M	6	6	DT	DATE IN YYMMDD FORMAT
ISA10	INTERCHANGE TIME	I09	M	4	4	TM	TIME IN HHMM FORMAT
ISA11	INTERCHANGE CNTRL STANDARDS ID	I10	M	1	1	ID	U = CODE VALUE for U.S. EDI COMMUNITY
ISA12	ISA CONTROL VERSION NUMBER	I11	M	5	5	ID	Version used, i.e. 00401, 00403
ISA13	INTERCHANGE CONTROL NUMBER	I12	M	9	9	NO	INTERCHANGE CONTROL NUMBER
ISA14	ACK REQUESTED	I13	M	1	1	ID	0 = NO ACKNOWLEDGEMENT REQUESTED
ISA15	USAGE INDICATOR	I14	M	1	1	ID	P = PRODUCTION DATA (T = TEST)
ISA16	COMPONENT ELEMENT SEPARATOR	I15	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 *01*123456789 *030404*0413*U*00401*000003305*0*P*>~

GS	Functional Group Header						
GS01	FUNCTIONAL ID CODE	479	M	2	2	ID	FUNCTIONAL ID CODE: CT
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	X FOR VICS OR X12
GS08	VERSION/RELEASE ID CODE	480	M	1	12	AN	VERSION RELEASE, I.E. 004010, 004030

Sample Data:

GS*CT*8019721193*123456789*20030404*0413*991*X*004010~

ST	Transaction Set Header						
ST01	TRANSACTION SET ID CODE	143	M	3	3	ID	TRANSACTION SET CODE: 831
ST02	TRANSACTION SET CONTROL NUMBER	329	M	4	9	AN	CONTROL NUMBER RELATIVE TO GS06

Sample Data:

ST*831*00991001~

X12 831 004010
APPLICATION CONTROL TOTALS

Last Modified: 09/28/2004 8:42 AM

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

BGN	Beginning Segment						
BGN01	TRANSACTION SET PURPOSE CODE	353	M	2	2	ID	TS PURPOSE CODE: 00 = ORIGINAL
BGN02	REFERENCE IDENTIFIER	127	M	1	50	AN	TS REFERENCE NUMBER
BGN03	DATE	373	M	8	8	DT	TRANSACTION SET GENERATION DATE IN CCYYMMDD FORMAT

Sample Data:
 BGN*00*8930000055*20030404~

N9	Reference Identification						
N901	REFERENCE IDENTIFICATION QUALIFIER	128	M	2	3	ID	BP = ADJUSTMENT CONTROL NUMBER BT = BATCH NUMBER IV = SELLER'S INVOICE NUMBER
N902	REFERENCE IDENTIFICATION	127	C	1	50	AN	REFERENCE NUMBER

Sample Data:
 N9*BT*8930000055~

TRN	Trace						
TRN01	TRACE TYPE CODE	481	M	1	2	ID	1 = CURRENT TRANSACTION TRACE NUMBER
TRN02	REFERENCE IDENTIFICATION	127	M	1	50	AN	REFERENCE NUMBER

Sample Data:
 TRN*1*8930000055~

AMT	Monetary Amount						
AMT01	AMOUNT QUALIFIER CODE	522	M	1	3	ID	2 = BATCH TOTAL
AMT02	MONETARY AMOUNT	782	M	1	18	R2	TOTAL AMOUNT OF FINANCIAL APPLICATION

Sample Data:
 AMT*2*100000.00~

QTY	Quantity						
QTY01	QUANTITY QUALIFIER	673	M	2	2	ID	46 = TOTAL TRANSACTIONS
QTY02	QUANTITY	380	C	1	15	R3	NUMBER OF TRANSACTIONS

Sample Data:
 QTY*46*1~

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 ST02 SEGMENT

Sample Data:
 SE*7*00991001~

X12 831 004010
APPLICATION CONTROL TOTALS

Last Modified: 09/28/2004 8:42 AM

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

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*991~

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*000003305~



Sample X12 831 004010 Raw Data

ISA*00* *00* *08*9251750000 *01*123456789 *030404*0413*U*00401*000003305*0*P*>~
GS*CT*8019721193*123456789*20030404*0413*991*X*004010~
ST*831*00991001~
BGN*00*8930000055*20030404~
N9*BT*8930000055~
TRN*1*8930000055~
AMT*2*100000.00~
QTY*46*1~
SE*7*00991001~
GE*1*991~



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SUMMARY NOTES