



■ *ISS45 General Batches Technical Reference*  
■ *Version 8.1.8.0*



## ISS45 General Batches Technical Reference

Date of Issue	Product ID Num.	Part Number	Brief Description
Earlier Issues: 89000016, 89000026, 89000039, 89000108, 89000118, 89000165			
December 2004	45001/043	89000191	8.0.8.1 Release
January 2006	45001/043	89000272	8.1.1.0 Release
January 2010	45001/043	89000534	8.1.4.1 Release
February 2011	45001/043	89000620	8.1.5.2 Release
February 2011	45001/043	89000629	8.1.5.2 Updated
October 2011	45001/043	89000689	8.1.5.4 Release
January 2012	45001/043	89000701	8.1.6.0 Release
August 2013	45001/043	89000771	8.1.7.0 Release
June 2015	45001/043	89000850	Version 8.1.8.0

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# Introduction

This reference describes the interfacing protocols (Host-to-ISS45) developed for updating ISS45 Front Office via PLU Batches and General Batches.

The files and functionality that require interfacing are:

## General Batches

- Loyal Customers
- Promotion File
- Credits Programs
- Fuel Grades
- Sub Departments
- Departments
- Bad Accounts
- Segments
- A/R Accounts
- Member Promotion Link Items
- Member Account
- Object Security
- Enhanced Bad Accounts
- Price List
- Price List PLU
- Loyalty Member Prom Link Item
- Promo Checkout Bank Exclusion
- Linked Items File Header
- Linked Items Detail
- EBT WIC Link
- Suppliers
- Loyalty Promotion File
- Loyalty Promotion Reward Level Data
- Loyalty Promotion Reward Level Condition Data
- Dynamic Attribute Maintenance
- Dynamic Attribute Value Maintenance
- Loyalty Promotion Checkout Bank Exclusion

## PLU Batches

PLU interfacing (i.e. master file create and price changes) is performed using the existing PLU batch maintenance protocol.

## ASCII File Updates

Host systems use ASCII files to send various updates to stores.

- Updates and changes are sent in ASCII files. These files must reside in the \Program Files\POSware\Office\Import directory. The file naming convention is described in File Names, page 5.
- ASCII files have different OpCodes and record layouts for every file and update type.
- Every batch file may update only one type of table. For example, one batch cannot update the department and promotion files.

## Batch Processing

An ASCII file is copied to the \Program Files\POSware\Office\Import directory. BatchExe.exe is currently configured to run every 30 seconds to process these files. Data is imported to a SQL table from the ASCII file via a BCP process. Internal components are used to maintain the replication between SQL and QDX. When changes are made to the SQL tables, maintenance is sent to QDX through PosMaintAcx.exe. Data is sent from SQL to QDX, not visa-versa. PCMCRC can be used to compare QDX and SQL and to rebuild the QDX files.

**Note:**

PCMCRC is parameter-based and can be set to run at EOD. There are several modes that can be used: check, rebuild or both.

If a batch file is rejected, error messages will post to the event viewer and the file will be moved into the Rejected directory under the Import directory.

**Note:**

If the "FastLoyaltyBatchDel.flg" exists in the C:\PCMASTER\FLAG folder, General Batch processing runs more efficiently. Records are written to SQL tables first and the QDX files are loaded on the POS at one time (containing all the new records contained in the Batch). Deletes are performed by first clearing the QDX file, then deleting from SQL followed by a rebuilding of the QDX file. If the "FastLoyaltyBatchDel.flg" is not present, records are updated on a "one-by-one" basis.

# ASCII File Layouts

## File Names

Batch files to be executed are found in the \Program Files\POSware\Office\Import directory.

General Batch file names are in the format: BX?????????.DAT, where the first three question marks are the batch type and the last six question marks are the batch number. (The application allows up to 6 digits (i.e., 999999) for the batch number on General Batches.)

PLU Batch file names are in the format: PLU?????????.CSV (where the question marks denote the batch number).

## File Layouts

The file size must be greater than zero or the batch will be rejected (for PLU or General Batches).

General Batches have a fixed length record structure of 1024 bytes.

Record length is: 1024 + CR

or

1024 + CR + LF

All records contain a header. Some of the fields are not used. General Batch headers are 64 bytes.

The first record in a General Batch file is a header record. This record has a file number of 999 and holds such things as the date and time for automatic execution of the batch file.

## Field Types

ASC_N	ASCII numeric
ASC_YN	ASCII flag ("Y" or "N")
ASCII	Alphanumeric ASCII field
ASC_0	ASCII 0
ASC_DT	ASCII date December 31, 1997 is 971231, December 31, 2000 is A01231, December 31, 2025 is C51231
ASC_FULL_DT	ASCII date and time December 31, 1999 12:50 is 199912311250

# PLU Batch Maintenance – ASCII File Structure

- File format is ASCII
- Each column is DELIMITED WITH 0XAA delimited – Char(170)
- Each row ends with CR+LF

## Header File Definition

ID	Name	Description	Type	Size	Required Field	Default
1	BTCH_NBR	PLU Batch number	numeric	6	Yes: 1 – 999999	
2	DESCR	PLU Description	char	250	No	Empty String
3	DT_CREATED	Creation Date	datetime		Yes	
4	REC_CNT	Record Count	numeric	8	No – but better to put a number > 0 to avoid empty file messages	Number of Item records in file
5	ACT_DATE	Activation Date – for Batch Oper 5 – Execute by Date	date	10	No – used for Batch Oper 5 – Execute by Date	Null
6	ACT_TIME	Activation Time – same as above	time	11	No – same as above	Null
7	ACT_STORE_ID	Activation Store ID	numeric	8	No	0
8	IMPORT_FILE	Import File	char	250	No	Empty string
9	EXPORT_FILE	Export File	char	250	No	Empty string
10	BTCH_TYPE	Batch Type	char	10	No – If missing it will default to Host batch. Value is 'Local' or 'Host'.	Host
11	BTCH_VER	Batch Ver	char	10	No	Empty string
12	BTCH_STATUS	Batch Status	char	10	No	"Pending"
13	LAST_EXEC	Last Execute	datetime		No	Null
14	ITM_PASS_CNT	Item Pass Count	numeric	8	No	0
15	END_SALE_DATE	End Sale Date	date	10	No	Null
16	END_SALE_TIME	End Sale Time	time	11	No	Null
17	BATCH_OPER*	Batch Operation	numeric	3	No – but won't run until executed manually through application.	0
18	BATCH_SCOPE	Batch Scope (0 last 1 All)	numeric	3	No	0
19	NEXT_BTCH_NBR	Next batch number to run Char 1-6 batch number Char 7-9 batch type *	numeric	9	No	0

**\* Batch operations:****0 = None**

Will load to the batch tables, but will not be processed until someone executes it by clicking the Execute button in the application.

**1 = Pending**

Will load to the batch tables, but will not be processed until someone executes it by clicking the Execute button in the application.

**2 = Execute**

Will be changed to execute asynchronously and run automatically when BatchExe picks it up.

**3 = Purge**

Will run automatically when BatchExe picks it up and delete the relevant items.

**4 = Immediate execute**

Will run automatically when BatchExe picks it up.

**5 = Execute by date**

Will run at the Activation Date/Time set in the header.

**6 = Execute asynchronously**

Will run automatically when BatchExe picks it up.

**20 = Batch with no items****98 = Full Item Load**

Must be executed manually through the application. Deletes everything from the PLU table and refills all of the items. Use record OpCode 1 (New) or 6 (New/Update) for Full Item Load.

**99 = Master File**

Executes automatically. Deletes everything from the PLU table and refills all of the items. Use record OpCode 1 (New) or 6 (New/Update) for Master File load.

It is recommended that the following Header fields be filled in:

- Batch Number
- Date Created
- Record Count \*
- Batch Type \*\* (Host, Local, etc.)
- Batch Operation \*\*\* (Full Item Load, Execute, Execute By Date, etc.)

\* It will process if the Record Count is empty or zero, but an event log error will be generated indicating the file is empty.

\*\* Batch type will default to Host if this field is empty.

\*\*\* If the Batch Operation is not set, it will be taken as zero (which is the operation code for "None"). It will exist in the PLU Batch table and will not execute. No changes will be made to the PLU table until executed through the application.

## Item File Definition

### Note:

The "Used By" column for a field will display one of the following:

- FOBE (Required by the Front Office Batch Engine for operation purposes)
- POS (Used by the POS only)
- FO (Used by the Front Office only)
- Both (Used by both the POS and Front Office)
- None (Not required for ISS45 functionality)

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
1	PLU_BTCH_NBR	PLU Batch number	Numeric	FOBE	6	Yes 1 – 999999	
2	OP_CODE	Record Op. Codes *	Numeric	FOBE	1	Yes *	
3	ITM_ID	PLU Item Number	Numeric	Both	14	Yes, 1-999999999999999	
4	STR_HIER_ID	Department Number	Numeric	Both	4	Yes, for Insert No, for Update	Null
5	DFLT_RTN_LOC_ID	Default return location ID	Numeric	None	4	No	Null
6	MSG_CD	Linked Message number	Numeric	None	2	No	Null
7	DSPL_DESCR	Item Description	Char	FO	40	No	Null
8	SLS_RESTRICT_GRP	Restriction layout number	Numeric	Both	2	No, 0 - 255	Null
9	RCPT_DESCR	POS Item Description	Char	Both	20	No	Null
10	TAXABILITY_CD	Taxability Code	Numeric	None	4	No	Null
11	MDSE_XREF_ID	Merchandise cross reference ID	Numeric	None	4	No	Null
12	NON_MDSE_ID	Non-Merchandise Flag	Numeric	Both	1	No,1,0	Null
13	UOM	Unit of measure	Char	None	4	No	Null

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
14	UNT_QTY	Unit Quantity	Numeric	Both	2	No, 0 - 99	Null
15	LIN_ITM_CD	Line Item code	Numeric	None	4	No	Null
16	MD_FG	Merchandise flag	Numeric	None	4	No, 0 - 9999	Null
17	QTY_RQRD_FG	Quantity Required flag	Numeric	Both	1	No,1,0	Null
18	SUBPRD_CNT	Sub product count	Numeric	None	4	No, 0 - 999	Null
19	QTY_ALLOWED_FG	Quantity allowed flag	Numeric	None	1	No,1,0	Null
20	SLS_AUTH_FG	Prohibit Sales flag	Numeric	Both	1	No,1,0	Null
21	FOOD_STAMP_FG	Payment by food stamps flag	Numeric	Both	1	No,1,0	Null
22	WIC_FG	WIC flag	Numeric	Both	1	No,1,0	Null
23	PERPET_INV_FG	Perpetual invoice flag	Numeric	None	1	No,1,0	Null
24	RTL_PRC	Item Price	Money	Both	13	No	Null
25	UNT_CST	Unit cost	Money	None	13	No	Null
26	MAN_PRC_LVL	Manual price level	Numeric	None	3	No, 0 - 255	Null
27	MIN_MDSE_AMT	Min Merchandise amount	Money	None	13	No	Null
28	RTL_PRC_DATE	Retail price date	Datetime	FO		No	Null
29	SERIALIZED_MDSE_FG	Serialized merchandise flag	Numeric	None	1	No,1,0	Null
30	CNTR_PRC	Center price	Money	None	13	No	Null
31	MAX_MDSE_AMT	Maximum merchandise amount	Money	None	13	No	Null
32	CNTR_PRC_DATE	Center price date	Datetime	None		No	Null
33	NG_ENTRY_FG	Negative Entry flag	Numeric	Both	1	No,1,0	Null
34	STR_CPN_FG	Store coupon flag	Numeric	Both	1	No,1,0	Null
35	VEN_CPN_FG	Vendor coupon flag	Numeric	Both	1	No,1,0	Null
36	MAN_PRC_FG	Manual price flag	Numeric	Both	1	No,1,0	Null
37	WGT_ITM_FG	Weighted item flag	Numeric	Both	1	No,1,0	Null
38	NON_DISC_FG	None discount flag	Numeric	Both	1	No,1,0	Null

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
39	COST_PLUS_FG	Cost plus flag	Numeric	Both	1	No,1,0	Null
40	PRC_VRFY_FG	Price verify flag	Numeric	Both	1	No,1,0	Null
41	PRC_OVRD_FG	Price override flag	Numeric	None	1	No,1,0	Null
42	SPLR_PROM_FG	Supplier promotion flag	Numeric	None	1	No,1,0	Null
43	SAVE_DISC_FG	Save discount flag	Numeric	None	1	No,1,0	Null
44	ITM_ONSALE_FG	Item on sale flag	Numeric	Both	1	No,1,0	Null
45	INHBT_QTY_FG	Prohibit Quantity flag	Numeric	Both	1	No,1,0	Null
46	DCML_QTY_FG	Decimal Quantity flag	Numeric	Both	1	No,1,0	Null
47	SHELF_LBL_RQRD_FG	Shelf label required flag	Numeric	None	1	No,1,0	Null
48	TAX_RATE1_FG	Tax Rate 1 flag	Numeric	Both	1	No,1,0	Null
49	TAX_RATE2_FG	Tax Rate 2 flag	Numeric	Both	1	No,1,0	Null
50	TAX_RATE3_FG	Tax Rate 3 flag	Numeric	Both	1	No,1,0	Null
51	TAX_RATE4_FG	Tax Rate 4 flag	Numeric	Both	1	No,1,0	Null
52	TAX_RATE5_FG	Tax Rate 5 flag	Numeric	Both	1	No,1,0	Null
53	TAX_RATE6_FG	Tax Rate 6 flag	Numeric	Both	1	No,1,0	Null
54	TAX_RATE7_FG	Tax Rate 7 flag	Numeric	Both	1	No,1,0	Null
55	TAX_RATE8_FG	Tax Rate 8 flag	Numeric	Both	1	No,1,0	Null
56	COST_CASE_PRC	Cost per case	Numeric	FO	7	No	Null
57	DATE_COST_CASE_PRC	cost per case price date	Datetime	FO		No	Null
58	UNIT_CASE	Unit Per Case	Numeric	FO	3	No	Null
59	MIX_MATCH_CD	Mix and Match Code	Numeric	Both	5	No	Null
60	RTN_CD	Return type code	Numeric	Both	2	No	Null
61	FAMILY_CD	Family code	Numeric	Both	3	No	Null
62	SUBDEP_ID	Sub department code	Numeric	Both	12	No	Null
63	DISC_CD	Discount number	Numeric	Both	2	No	Null
64	LBL_QTY	Label quantity	Numeric	None	3	No, 0 - 255	Null
65	SCALE_FG	Scale flag	Numeric	FO	1	No	Null
66	LOCAL_DEL_FG	Local delete flag	Numeric	None	1	No	Null
67	HOST_DEL_FG	Host delete flag	Numeric	None	1	No	Null
68	HEAD_OFFICE_DEP	Head office department	Numeric	None	10	No	Null
69	WGT_SCALE_FG	Weight on scale flag	Numeric	FO	1	No	Null

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
70	FREQ_SHOP_TYPE	Frequent Shopper discount type	Numeric	Both	1	No	Null
71	FREQ_SHOP_VAL	Frequent shopper discount amount	Money	FO	13	No	Null
72	SEC_FAMILY	Second family	Numeric	Both	4	No	Null
73	POS_MSG	Linked message Number	Numeric	Both	2	No	Null
74	SHELF_LIFE_DAY	Shelf life time	Numeric	Both	3	No, 0 - 999	Null
75	PROM_NBR	Promotion number	Numeric	None	4	No, 0 - 9999	Null
76	BCKT_NBR	Bucket number	Numeric	None	4	No, 0 - 9999	Null
77	EXTND_PROM_NBR	Extended promotion number	Numeric	None	4	No, 0 - 9999	Null
78	EXTND_BCKT_NBR	Extended Bucket number	Numeric	None	4	No, 0 - 9999	Null
79	RCPT_DESCR1	Receipt description 1	Char	None	20	No	Null
80	RCPT_DESCR2	Receipt description 2	Char	None	20	No	Null
81	RCPT_DESCR3	Receipt description 3	Char	None	20	No	Null
82	RCPT_DESCR4	Receipt description 4	Char	None	20	No	Null
83	CPN_NBR	Coupon number	Float	FO	13	No	Null
84	TAR_WGT_NBR	Tare weight Number	Numeric	Both	2	No	Null
85	RSTRCT_LAYOUT	Restriction layout	Numeric	None	2	No	Null
86	INTRNL_ID	Internal ID	Numeric	Both	13	No	Null
87	OLD_PRC	Old price	Money	None	13	No	Null
88	QDX_FREQ_SHOP_VAL	QDX Frequent shopper value	Numeric	Both	13	No	Null
89	VND_ID	Vendor ID	Char	FO	8	No	Null
90	VND_ITM_ID	Vendor item ID	Numeric	FO	25	No	Null
91	VND_ITM_SZ	Vendor item size	Char	FO	10	No	Null
92	CMPRTV_UOM	Comparative UOM	Numeric	FO	3	No	Null
93	CMPR_QTY	Comparative Quantity	Numeric	FO	12	No	Null
94	CMPR_UNT	Comparative unit	Numeric	FO	12	No	Null
95	BNS_CPN_FG	Bonus Coupon	Numeric	Both	1	No	Null

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
96	EXCLUD_MIN_PURCH_FG	Exclude min perch	Numeric	Both	1	No,1,0	Null
97	FUEL_FG	Fuel Flag	Numeric	Both	1	No,1,0	Null
98	SPR_AUTH_RQRD_FG	Super authorization required	Numeric	FO	1	No,1,0	Null
99	SSP_PRDCT_FG	Store Specific Product flag	Numeric	FO	1	No,1,0	Null
100	NU06_FG	* Not used *	Numeric	None	3	No	Null
101	NU07_FG	* Not used *	Numeric	None	3	No	Null
102	NU08_FG	* Not used *	Numeric	None	3	No	Null
103	NU09_FG	* Not used *	Numeric	None	3	No	Null
104	NU10_FG	* Not used *	Numeric	None	3	No	Null
105	FREQ_SHOP_LMT	Frequent shopper limit	Numeric	Both	3	No, 0 - 255	Null
106	ITM_STATUS	Item status	Numeric	FOBE	3	No	Null
107	DEA_GRP	DEA Group	Numeric	Both	2	No	Null
108	BNS_BY_OPCODE	Bonus Buy OP CODE	Numeric	FO	2	No	Null
109	BNS_BY_DESCR	Bonus Buy Description	Char	FO	20	No	Null
110	COMP_TYPE	Comparison Type	Numeric	Both	2	No	Null
111	COMP_PRC	Comparison Price	Numeric	Both	8	No	Null
112	COMP_QTY	Comparison Quantity	Numeric	Both	4	No	Null
113	ASSUME_QTY_FG	Assume Quantity flag	Numeric	Both	1	No	Null
114	EXCISE_TAX_NBR	Excise tax number	Numeric	None	3	No	Null
115	COMP_DATE	Comparison Price Date	Datetime	Both	26	No	Null
116	PRC_RSN_ID	Price change reason Id	Numeric	FO	3	No	Null
117	ITM_POINT	Item Points	Numeric	Both	8	No	Null
118	PRC_GRP_ID	Price Group ID for member promotions	Numeric	Both	2	No	Null
119	SWW_CODE_FG	Tax SWW Code flag	Numeric	FO	1	No,1,0	Null
120	SHELF_STOCK_FG	Store keeps the item not on shelves but in a storage room.	Numeric	FO	1	No	Null
121	PRNT_PLU_ID_RCPT_FG	Print Item ID on the receipt	Numeric	Both	1	No,1,0	Null

Col #	Name	Description	Type	Used by:	Size	Required Field	Default
122	BULK_GRP	Bulk tax group ID	Numeric	Both	4	No,1-1000	Null
123	EXCHANGE_TENDER_ID	Exchange Tender ID	Numeric	FO	2	No,1-99	Null
124	CAR_WASH_FG	Car Wash Item flag	Numeric	FO	1	No,1,0	Null
125	PACKAGE_UOM	Package Unit of Measure	Numeric	FO	3	No	Null
126	UNIT_FACTOR	Unit Factor	Numeric	FO	12	No, 1 or Greater	Null
127	PACKAGE_SIZE	Package Size	Numeric	FO	25	No, 1 or Greater	Null
128	FS_QTY	Frequent Shopper Quantity	Numeric	FO	2	No, 0-99	Null
129	NON_RX_HEALTH_FG	Non-Rx Healthcare Item	Numeric	Both	1	No,1,0	Null
130	RX_FG	Rx Item	Numeric	Both	1	No,1,0	Null
131	EXEMPT_FROM_PROM_FG	Exclude from Promotions flag	Numeric	Both	1	No,1,0	Null
132	WIC_CVV_FG	WIC CVV flag	Numeric	Both	1	No,1,0	Null
133	LNK_NUMBER	Linked Item Number	Numeric	Both	4	No	Null

#### Record OpCodes

- 0 – Ignore this record
- 1 – Add New item
- 2 – Update
- 3 – Price
- 4 – Delete
- 5 – Sale
- 6 – New/Update

\* When applying a PLU and linking the PLU to any of the following objects, the existence of the object is verified. If the object does not exist, the batch will error on that item and continue to the next item.

- Coupon (CPN\_NBR)
- Department (STR\_HIER\_ID)
- Sub Department (SUBDEP\_ID)
- Tare Weight (TAR\_WGT\_NBR)
- Discount (DISC\_CD)
- Return Code (RTN\_CD)

- POS Item Message (POS\_MSG)
- DEA Group (DEA\_GRP)
- Change Price Reason (PRC\_RSN\_ID)

## File Header Record Structure

Field	Options	Type	Size	Required Field	Default
File number	999 File Header	ASC_N	3	Yes, 999	
Automatic Execution Date	YYMMDD (all zeros if not automatic)	ASC_DT	6	No	1/1/1900
Automatic Execution Time	HHMM (all zeros if not automatic)	ASC_N	4	No	1/1/1900
Batch Number		ASC_0	6	Yes, 1 - 999999	
Description	Batch description	ASCII	20	No	Empty string
Flags	Bit 0 Execute batch at EOD if exist	ASC_N	8	No	0
Next Batch to Run	First 6 will be batch number. Last three will be batch type where 100 will be PLU batch.	ASC_N	9	No	0
Filler		ASC_0	968	Yes, all zeros	
Total Bytes			1024		

## Record Header

Field	Options	Type	Size	Validations	Required Field	Default
File number	1 - Loyal Customers 2 - Member Promotion 4 - Credits Program 11 - Fuel Grades 37 - Sub-department 40 - Department 52 - Bad Accounts 57 - Segments 90 - A/R Accounts 101 - Member Promotion Linked 102 - Member Account 105 - Object Security 150 - Enhanced Bad Accounts 152 - Price List 153 - Price List PLU 154 - Loyalty Member	ASC_N	3	Supported file number	Yes	

Field	Options	Type	Size	Validations	Required Field	Default
	Promotion Link Item 155 - Member Promotion Checkout Bank Exclusion 156 - Linked Items Header 157 - Linked Items Detail 170 - PLU Dynamic Attribute Link 201 - EBT WIC Link 243 - Suppliers 257 - Loyalty Promotion File 258 - Loyalty Promotion Reward Level 259 - Loyalty Promotion Reward Level Condition Data 264 - Dynamic Item Attribute 265 - Dynamic Item Attribute Value 266 - Loyalty Promotion Checkout Bank Exclusion 999 - File header					
Action	0 - Read 1 - Start 2 - Read next 3 - Read previous 4 - Read last 5 - Insert 6 - Update 7 - Write part 8 - Delete 20 - Relative read 21 - Sequential read 22 - Relative write 23 - Sequential write 29 - Maintenance insert (pmaintput) 50 - Empty file (for 51 & 52 only) 255 - Ignore	ASC_N	3	Supported action	Yes	
Write Part Offset	Rread - Record number Sread - Position	ASC_N	6		Yes, Filler	
Write Part Length	Rread/Sread - Record size	ASC_N	6		Yes, Filler	

Field	Options	Type	Size	Validations	Required Field	Default
Bit Fields	0 = Query operation 1 = Update operation 2 = Build POS maintenance record 3 = Generate AUDIT record 4 = This update is Date & Time pending 5 = Special treatment (Transfer as ASCII) 6 = UNIX Client (this record received from UNIX) 7 = Batch =1, Interactive=0 8-15 = Not used 16 = Do not manipulate action	ASC_N	16		Yes, Filler	
Pending Date	YYMMDD	ASC_DT	6		No	1/1/1900
Pending Time	HHMM	ASC_0	4		No	1/1/1900
Version	Initially zero	ASC_0	2		Yes, Zeros	
Filler		ASC_0	9		Yes, Filler	
Batch Number		ASC_0	6		No	Retrieved from file record header
Status		ASC_0	3		No	Empty string
Total Bytes			64			

## General Batch Types

### Loyal Customers

Field	Options	Type	Size	Validations
Header			64	
Member number		ASCII	20	
Points		ASC_N	6	
Redemption value		ASC_N	9	
Pending redemption		ASC_N	9	
Update date		ASC_DT	6	

Field	Options	Type	Size	Validations
Type		ASC_N	2	
Member name		ASCII	20	
Segment 1		ASC_N	1	0 or 1
Segment 2		ASC_N	1	0 or 1
Segment 3		ASC_N	1	0 or 1
Segment 4		ASC_N	1	0 or 1
Segment 5		ASC_N	1	0 or 1
Segment 6		ASC_N	1	0 or 1
Segment 7		ASC_N	1	0 or 1
Segment 8		ASC_N	1	0 or 1
Segment 9		ASC_N	1	0 or 1
Segment 10		ASC_N	1	0 or 1
Segment 11		ASC_N	1	0 or 1
Segment 12		ASC_N	1	0 or 1
Segment 13		ASC_N	1	0 or 1
Segment 14		ASC_N	1	0 or 1
Segment 15		ASC_N	1	0 or 1
Segment 16		ASC_N	1	0 or 1
Message no.		ASC_N	4	
Scheme no.		ASC_N	5	
Savings		ASC_N	9	
Status		ASC_N	1	
Main sort		ASC_N	3	
Second sort		ASC_N	3	
Send email		ASC_N	1	0 or 1
Email address		ASCII	50	
Secondary ID		ASCII	10	
Filler		ASC_0	786	
Total			1024	

## Promotion File

- If the value in the “Department” field is zero, the value will be taken from the “Department 4 Digit” field.
- If there are values in both the “Department” field and the “Department 4 Digit” field, the value will be taken from the “Department 4 Digit” field.

**Reward Values depend on Reward Types.**

Reward-Type Field Option	Reward Value Ranges
0 Not defined	
1 Cash value	0 – 0009999.99
2 Percentage off	0 – 00100.000
3 Member card points	0 – 000099999
4 Per item discount	
5 BOGO - Low price	
6 BOGO - High price	
7 STUB	
8 New price	0 – 0009999.99
9 Amount off per pound	0 – 0009999.99
10 Amount off per item	0 – 0009999.99
11 New price per pound	0 – 0009999.99
12 Target message	0 – 000999999
13 Percent of order	0 – 00100.000
14 Amount of order	0 – 0009999.99
15 Free item	0 – 0999999.99
16 Credits per item	0 – 000099999
17 New Price Per Qty	0 – 0009999.99

**Member Promotion Threshold Quantity depends on Group Types.**

Group-Type Field Option	Threshold/Level Qty (Value ranges)
1 Units	0-999999
2 Weighed/Decimal	0-999.999
3 Amount By Value	0-9999.99
4 Credits	0-999999
5 Order Value	0-9999.99

Field	Options	Type	Size	Validations	Required Field	Default
Header			64		Yes	
Promotion Number		ASC_N	9		Yes	
Promotion Type	2 - Enhanced Promotion 3 - Group Promotion 8 - Order/Level Promotion	ASC_N	1	Supported type	Yes	
End Day	YYMMDD (AYMMDD, where A = 200. Ex: A21213 = Dec. 13, 2002. B will be 201, C 202...for every decade)	ASC_D T	6	>= start date	No	1/1/1900
Description		ASCII	20		No, Filler spaces	Empty string
Reward Type	0 - Not defined 1 - Cash value 2 - Percentage off 3 - Member card points 8 - New price 9 - Amount off per pound 10 - Amount off per item 11 - New price per pound 12 - Target message 13 - Percent off order 14 - Amount off order 15 - Free item 16 - Credits per item 17 - New price per quantity	ASC_N	2	Supported reward type	Yes	
Department		ASC_N	3	Exists and valid	Yes	
Member Card Scheme Number		ASC_N	3	0-101	No - Filler of 0	0
Reward Value	Reward value depends on the reward type. (See example 1 on page 18).	ASC_N	9		No - Filler of 0	0
Start Date	YYMMDD (AYMMDD, where A = 200. Ex: A21213 = Dec. 13, 2002. B will be 201, C 202...for every decade)	ASC_D T	6		No - Filler of 0	1/1/1900
Member Card required		ASC_Y N	1	0 or 1	No - Filler of 0	0

Field	Options	Type	Size	Validations	Required Field	Default
Available for all card schemes		ASC_N	1	0 or 1	No - Filler of 0	0
Not Used		ASC_N	6		No - Filler of 0	
Card scheme	One scheme size is 3 Available card schemes	ASC_N	30		No - Filler of 0	0
Limited quantity		ASC_N	8		No - Filler of 0	0
Filler		ASC_0	76		No - Filler of 0	
Promotion Data	According to Promotion Type: Enhanced Promotion Group Promotion Level Promotion (See separate structure sections below)		139			
Filler	Reserved	ASC_0	16		No - Filler of 0	
Start time		ASC_N	4	Valid time	No - Filler of 0	1/1/1900
End time		ASC_N	4	Valid time	No - Filler of 0	1/1/1900 11:59
Activation day	Bit 0 Sunday Bit 1 Monday Bit 2 Tuesday Bit 3 Wednesday Bit 4 Thursday Bit 5 Friday Bit 6 Saturday	ASC_N	7	0 or 1	No - Filler of 0	0
Activation time X 7	For each day Start time size is 4 End time size is 4	ASC_N	56		No - Filler of 0	1/1/1900 (start time) 1/1/1900 11:59 (end time)
Trigger Flags 2	Bit 0 Trigger for group 1 Bit 1 Trigger for group 2 Bit 2 Trigger for group 3 Bit 3 Trigger for group 4 Bit 4 Trigger for group 5 Bit 5 Trigger for group 6 Bit 6 Trigger for group 7 Bit 7 Trigger for group 8 Bit 8 Trigger for group 9 Bit 9 Trigger for group 10	ASC_N	10	0 or 1	No - Filler of 0	0
Low or High reward Price		ASC_N	1	0 or 1	No - Filler of 0	0
Min Item Value	4.2	ASC_N	6		No - Filler of 0	0

Min Item Weight	3.3	ASC_N	6		No - Filler of 0	0
Min Purchase	4.2	ASC_N	6		No - Filler of 0	0
Delayed Promotion		ASC_N	1	0 or 1	No - Filler of 0	0
Value entered by cashiers		ASC_N	1	0 or 1	No - Filler of 0	0
Require Coupon Code		ASC_N	13		No - Filler of 0	0
Linking another Promotion		ASC_N	9		No - Filler of 0	0
Max Item Weight	3.3	ASC_N	6		No - Filler of 0	0
Segments X 16	Segments for loyalty server	ASC_Y N	16		No - Filler of 0	0
Update loyalty srv	Update loyalty server	ASC_Y N	1		No - Filler of 0	0
Coupon required type	0 - None 1 - One time only 2 - One time per reward	ASC_N	1		No - Filler of 0	0
Credit Program Id		ASC_N	8		No - Filler of 0	0
Promotion external Id		ASC_N	8		No - Filler of 0	0
Department 4 digits		ASC_N	4	Exist and valid	No - Filler of 0	0
Promotion Identifier		ASCII	1		No	Null
Filler			455		Filler	
Total			1024			

## Promotion Data – Enhanced Promotion

Offsets 246 to 384

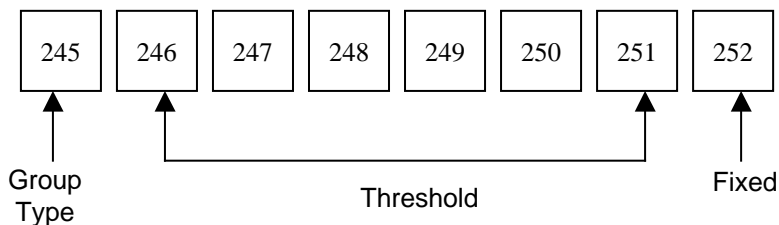
Field	Options	Type	Size	Validations	Required Field	Default
Group Type	1 Units 2 Weighed/Decimal 3 Amount By Value 4 Credits 5 Order Value	ASC_N	1	Supported group	Yes	

Field	Options	Type	Size	Validations	Required Field	Default
Threshold Qty	Threshold quantity depends on the group type.	ASC_N	6		No - Filler of 0	0
Step Count Qty	Depends on the group type.	ASC_N	6		No - Filler of 0	0
Reward By Threshold Flag		ASC_N	1	in use in ongoing version	No - Filler of 0	0
Non Netted Discount Flag		ASC_Y N	1		No - Filler of 0	0
Point Redemption Approval Flag		ASC_Y N	1		No - Filler of 0	0
Points Required Redeem		ASC_N	6		No - Filler of 0	0
Filler			117		Filler	
Total			139			

## Promotion Data – Group Promotion

### Offsets 246 to 384

The example below shows how batch information must be organized. The pattern from offset **246 to 253** must be repeated 10 times.



Field	Options	Type	Size	Validations	Required Field	Default
Group Type x 10	1 Units 2 Weighed/Decimal 3 Amount By Value 4 Credits 5 Order Value	ASC_N	1*10	Supported group	Yes	
Threshold Qty X 10	Threshold quantity depends on the group type.	ASC_N	6*10		No - Filler of 0	0
Fixed Group reward X 10		ASC_Y N	1*10		No - Filler of 0	0
Points Redemption Approval Flag		ASC_Y N	1		No - Filler of 0	0

Field	Options	Type	Size	Validations	Required Field	Default
Non Netted Discount Flag		ASC_Y N	1		No - Filler of 0	0
Filler			57		Filler	
Total			139			

## Promotion Data – Order/Level Promotion

### Offsets 246 to 384

The example below shows how batch information must be organized. This pattern must be repeated 5 times (from offset **247 to 366**).


Quantity (6)

Value (9)

Reward (9)

Field	Options	Type	Size	Validations	Required Field	Default
Group Type	1 Units 2 Weighed/Decimal 3 Department 4 Credits 5 Order Value	ASC_N	1	Supported group	Yes	
Quantity	Threshold quantity depends on the group type.	ASC_N	6*5		No - Filler of 0	0
Value		ASC_N	9*5	>0	No - Filler of 0	0
Reward	Reward value depends on the reward type.	ASC_N	9*5	>0	No - Filler of 0	0
Filler			1218		Filler	
Total			139			

## Credits Program

Field	Options	Type	Size	Validations	Required Field	Default
Header			64		Yes	
Credit program Id		ASC_N	8		Yes	
Credit program description		ASCII	20		No – Filler of spaces	Empty string
Start date	YYMMDD	ASC_DT	6		No - Filler of 0	1/1/1900
End date	YYMMDD	ASC_DT	6	>= start date	No - Filler of 0	1/1/1900

Field	Options	Type	Size	Validations	Required Field	Default
Start time		ASC_N	4	Valid time	No - Filler of 0	1/1/1900
End Time		ASC_N	4	Valid time	No - Filler of 0	1/1/1900
Activation day	Bit 0 Sunday Bit 1 Monday Bit 2 Tuesday Bit 3 Wednesday Bit 4 Thursday Bit 5 Friday Bit 6 Saturday	ASC_N	7	0 or 1	No - Filler of 0	0
Activation time X 7	For each day start time size is 4 End time size is 4	ASC_N	56		No - Filler of 0	1/1/1900
Print credit earning after each item in a receipt		ASC_YN	1	0 or 1	No - Filler of 0	0
Print total credits earning on receipt		ASC_YN	1	0 or 1	No - Filler of 0	0
Report to loyalty promotion srv		ASC_YN	1	0 or 1	No - Filler of 0	0
Print voucher		ASC_YN	1	0 or 1	No - Filler of 0	0
Barcode for voucher Id		ASC_YN	1	0 or 1	No - Filler of 0	0
Earning details on voucher		ASC_YN	1	0 or 1	No - Filler of 0	0
Member card dependency		ASC_YN	1	0 or 1	No - Filler of 0	0
Enable for all card schemes		ASC_YN	1	0 or 1	No - Filler of 0	0
Schemes X 10 card scheme	Available card schemes One scheme size is 3	ASC_N	30		No - Filler of 0	0
Event invisible on receipt		ASC_YN	1	0 or 1	No - Filler of 0	0
Negative event		ASC_YN	1	0 or 1	No - Filler of 0	0
Display avi\bmp image		ASC_YN	1	0 or 1	No - Filler of 0	0
Refresh customer display		ASC_YN	1	0 or 1	No - Filler of 0	0
Report to Internet explorer		ASC_YN	1	0 or 1	No - Filler of 0	0

Field	Options	Type	Size	Validations	Required Field	Default
Display message box		ASC_YN	1	0 or 1	No - Filler of 0	0
Enter to queue messages		ASC_YN	1	0 or 1	No - Filler of 0	0
Empty (not used)		ASC_YN	1	0 or 1	No - Filler of 0	
Item template name		ASCII	10		No - Filler of spaces	Empty string
Total on receipt template name		ASCII	10		No - Filler of spaces	Empty string
Voucher template name		ASCII	10		No - Filler of spaces	Empty string
Print voucher Id	0 None 1 Internally 2 Promotion Server	ASC_N	1		No - Filler of 0	0
Redeem validation period (in days)	999	ASC_N	3		No - Filler of 0	0
Maximum order purchase	99999.99	ASC_N	8		No - Filler of 0	0
Minimum order purchase	99999.99	ASC_N	8		No - Filler of 0	0
Minimum program purchase	99999.99	ASC_N	8		No - Filler of 0	0
Minimum program qty purchase	9999	ASC_N	4		No - Filler of 0	0
Price threshold	99999.99	ASC_N	8	(Include decimal point)	No - Filler of 0	0
Value reward		ASC_N	8		No - Filler of 0	0
Price step	99999.99	ASC_N	8		No - Filler of 0	0
Value step reward		ASC_N	8		No - Filler of 0	0
Value threshold		ASC_N	8		No - Filler of 0	0
Price reward	99999.99	ASC_N	8		No - Filler of 0	0
Value step		ASC_N	8		No - Filler of 0	0
Price step reward	99999.99	ASC_N	8		No - Filler of 0	0
Reward type		ASC_N	1		No - Filler of 0	0
Avi bmp file name		ASCII	40		No - Filler of spaces	Empty string

Field	Options	Type	Size	Validations	Required Field	Default
Number of seconds to display picture	0-60	ASC_N	2		No - Filler of 0	0
Text message		ASCII	50		No - Filler of spaces	Empty string
Num of seconds to display msg	0-60	ASC_N	2		No - Filler of 0	0
Filler		ASC_N	582		Filler	
Total			1024			

## Fuel Grades

Field	Options	Type	Size	Validations
Header			64	
Grade Number		ASC_N	3	1-16
Blends Percentage	Whole percent	ASC_N	3	
Grade Name		ASCII	32	
New Price Cash in Full Service	(4, 3)	ASC_N	7	
New Price Cash in Self Service	(4, 3)	ASC_N	7	
New Price Credit in Full Service	(4, 3)	ASC_N	7	
New Price Credit in Self Service	(4, 3)	ASC_N	7	
First Product Number		ASC_N	3	
Second Product Number		ASC_N	3	
Grade Short Name 3		ASCII	3	
Grade Short Name 5		ASCII	5	
Valid Grade Flag		ASC_YN	1	0 or 1
Price Changing Date from NEW to OLD		ASC_FULL_DT	12	
Filler		ASC_0	867	
Total			1024	

## Sub Department

Field	Options	Type	Size	Validations
Header			64	
Sub-Department number		ASC_N	12	
Description		ASCII	16	
Department number		ASC_N	4	Exists or 0
Group number		ASC_N	3	0-255
Level Number		ASC_N	2	
Parent Sub Department ID		ASC_N	8	
Filler		ASC_0	915	
Total			1024	

## Department

- If the value in the “Department number” field is zero, the value will be taken from the “Department 4 digits” field.
- If there are values in both the “Department number” field and the “Department 4 digits” field, the value will be taken from the “Department 4 digits” field.
- If the value in the “Department number at H/O” field is zero, the value will be taken from the “Department H/O 4 digits” field.
- If there are values in both the “Department number at H/O” field and the “Department 4 digits” field, the value will be taken from the “Department H/O 4 digits” field.
- If the value in the “Group number” field is zero, the value will be taken from the “Department Group Number 5 digits” field.
- If there are values in both the “Group number” field and the “Department Group Number 5 digits” field then the value will be taken from the “Group number” field.

Field	Options	Type	Size	Validations
Header			64	
Department number		ASC_N	3	1-999
Department name		ASCII	16	
Tax rate 1		ASC_N	1	0 or 1
Tax rate 2		ASC_N	1	0 or 1
Tax rate 3		ASC_N	1	0 or 1
Tax rate 4		ASC_N	1	0 or 1
Tax rate 5		ASC_N	1	0 or 1
Tax rate 6		ASC_N	1	0 or 1
Tax rate 7		ASC_N	1	0 or 1
Tax rate 8		ASC_N	1	0 or 1
Payment with food Stamps		ASC_N	1	0 or 1
Non merchandise		ASC_N	1	0 or 1
Negative entry		ASC_N	1	0 or 1
Allow weighing		ASC_N	1	0 or 1
Allow discount		ASC_N	1	0 or 1
Payment by WIC		ASC_N	1	0 or 1
Department in use	Can't put 0 if sales exist for this department.	ASC_N	1	0 or 1
Cost plus department		ASC_N	1	0 or 1
Report PLU changes to head office		ASC_N	1	0 or 1
Not Used		ASC_N	1	0 or 1
No clubcard points		ASC_N	1	0 or 1
Not Used		ASC_N	1	0 or 1
Not Used		ASC_N	4	0 or 1
Maximum value		ASC_N	8	
Minimum value		ASC_N	8	< Maximum value
Control check for maximum value		ASC_N	2	0-99
Control check for minimum value		ASC_N	2	0-99
Group number		ASC_N	2	0-50
Discount type		ASC_N	2	0-99
Restriction layout		ASC_N	2	0-10
Department number at H/O		ASC_N	3	0-999
Customer discount type 1	Customer discount type 1	ASC_N	6	
Customer discount type 2	Customer discount type 2	ASC_N	6	

Field	Options	Type	Size	Validations
Customer discount type 3	Customer discount type 3	ASC_N	6	
Customer discount type 4	Customer discount type 4	ASC_N	6	
Customer discount type 5	Customer discount type 5	ASC_N	6	
Department 4 digits	Department 4 digits	ASC_N	4	0-9999
Department H/O 4 digits	Department H/O4 digits	ASC_N	4	0-9999
Manual Item Price Maximum Value	Control Check	ASC_N	2	
Exclude From Promotions Flag		ASC_N	1	0-1
Department Group Number 5 digits		ASC_N	5	0-32767
Non Rx Healthcare		ASC_N	1	0 or 1
Rx		ASC_N	1	0 or 1
WIC CVV Flag		ASC_N	1	
Filler		ASC_0	838	
Total			1023	

## Bad Accounts

Field	Options	Type	Size	Validations
Header			64	
Account Number		ASC_N	20	> 0
Control Check		ASC_N	3	
Filler		ASC_0	937	
Total			1024	

## Segments

Field	Options	Type	Size	Validations
Header			64	
SEGMENT_ID		ASCII_N	6	
DESCR		ASCII	20	
SEGMENT_TYPE		ASCII_N	3	
Filler		ASCII_0	931	

## A/R Accounts

Field	Options	Type	Size	Validations
Header			64	
Account Number		ASCII	12	Not Empty
Account Name		ASCII	30	
Balance	7.2 (may begin with "-")	ASC_N	10	
Status ID		ASC_N	3	0-255
Status Description		ASCII	20	
Internal Status		ASCII	1	Always 0
Limit	5.2 (may begin with "-")	ASC_N	8	
Discount		ASCII	1	Always 0
Filler		ASC_0	875	
Total			1024	

## Member Promotion Link Item

- If the value in the "Link Item ID" field is zero then the value will be taken from the "Long Digit PLU Number" field.
- If there are values in both the "Link Item ID" field and the "Long Digit PLU Number" field then the value will be taken from the "Link Item ID" field.

Field	Options	Type	Size	Validations	Required Field	Default
Header			64		Yes	
Member Promotion Id		ASC_N	9	1-999999999	Yes	
Link Promotion Type	50 - PLU 51 - Department 53 - Mix & Match 54 - Manufacturer 55 - Price Group 58 - Segments	ASC_N	2	Supported type	Yes	
Link Item ID		ASC_N	14	According to type: 50-(0-99999999999999) 51-(0-00000000099999) 53-(0-00000000999999) 54-(0-00000000999999) 55-(0-	No - Filler of 0	0

Field	Options	Type	Size	Validations	Required Field	Default
				0000000099999) 58-(0- 0000000099999)		
Group Id	0 Not a Group Promotion 01- 10	ASC_N	2		No - Filler of 0	0
Filler			933		Filler	
Total			1024			

## Member Account

Field	Description	Type	Size	Validations
Header	102		64	
MMBR_ACCT_ID	Member Account Id	ASCII_N	14	0-9999999999
DESCR	Description	ASCII	20	
TMPLT_FOR_MMBR_ACCT_PROGRESS_RPRT	Template description	ASCII	10	
MMBR_ACCT_TYP	Member Account Type	ASCII_N	2	
INITIAL_VALUE	initial value	ASCII_N	9	
ACCUMULATOR_TYPE	accumulator type	ASCII_N	2	0-Accumulator 1-Accumulator without financial reporting 2-Temporary Accumulator 3-Temporary Accumulator without financial reporting 4—Temporary Currency
AVAILABLE_FOR_MANUAL_UPDATE_ON_POS_FLAG	available for manual update on pos flag	ASCII_N	1	
NMBR_DGT_AFTER_DEC_PNT	Number of digits after decimal point	ASCII_N	2	
RND_RULE	Rounding Rule	ASCII_N	2	
BALANCE_EXPIRATION_SCOPE	Balance Expiration Scope	ASCII_N	1	
BALANCE_EXPIRATION_PERIOD	Balance Expiration Period	ASCII_N	3	
EXPIRATION_REPETITION_PERIOD	Expiration Repetition Period	ASCII_N	3	
EXPIRATION_REFERENCE_	Expiration Reference	ASCII_N	2	

Field	Description	Type	Size	Validations
MONTH	Month			
EXPIRATION_REFERENCE_YEAR	Expiration Reference Year	ASCII_N	4	
INHERIT_FROM_MA_FLAG	Inherit from MA Flag	ASCII_N	1	
INHERIT_SCOPE	Inherit Scope	ASCII_N	1	
INHERIT_FROM_MA_ID	Inherit From MA ID	ASCII_N	14	
Filler			869	
Total			1024	

## Object Security

Field	Options	Type	Size	Validations
Header			64	
Security Date	Any value (e.g., 000000) because the date will be updated to the current date and time when it is actually inserted to the OBJ_SECURITY table	ASC-N	6	Not Empty
Entity Type	ID from ENTITY_TYPE table	ASC-N	3	Not Empty
Entity ID Start	Any alphanumeric value	ASCII	40	Not Empty
Entity ID End	Any alphanumeric value	ASCII	40	Not Empty
User Group ID	Zero default for now since it's not used	ASC-N	3	Not Empty
AllowInsert		ASC-N	1	0/1
AllowUpdate		ASC-N	1	0/1
AllowDelete		ASC-N	1	0/1
AllowQuery	Zero or one – not used right now	ASC-N	1	0/1
Filler			864	
Total			1024	

## Enhanced Bad Accounts

Field	Options	Type	Size	Validations
Header			64	
Account Number		ASC_N	22	> 0
Seq Number	Not in Use	ASC_N	4	
Description		ASCII	34	
Initials		ASCII	10	

Field	Options	Type	Size	Validations
Tender Code		ASC_N	4	
Date Tendered		ASCII_DT	6	
Control Check		ASC_N	3	
Original String	Not in Use	ASCII	4	
Amount Tendered		ASCII_N	10	
Amount Owing		ASCII_N	10	
Special Description		ASCII	255	
Store Number 2		ASC_N	5	
Routing Number		ASC_N	10	
Filler			583	
Total			1024	

## Price List

Field	Options	Type	Size	Validations
Record Header			64	
Price List ID	Values 1 - 99	ASC_N	2	
Description		ASCII	50	
Filler			908	
Total Bytes			1024	

## Price List PLU

Field	Options	Type	Size	Validations
Header			64	
Price List ID		ASC_N	2	
Item ID		ASC_N	14	
Price	Two decimals	ASC_N	8	
Unit Quantity		ASC_N	2	
Department ID		ASC_N	4	
Filler			930	
<b>Total</b>			<b>1024</b>	

## Loyalty Member Promotion Link Item

Field	Options	Type	Size	Validations
Record Header			64	
Element code to be linked to		ASC_N	9	
Opcode		ASC_N	2	
Element code to link		ASC_N	14	
Bucket Number		ASC_N	2	
Link Status		ASC_N	4	
Line number in source file		ASC_N	9	
Dynamic Attribute Id		ASC_N	6	
Sub department level number		ASC_N	4	
Sequential Number		ASC_N	2	
Enforcement Inheritance	0 or 1	ASC_N	1	
Filler			907	
Total Bytes			1024	

## Member Promotion Checkout Bank Exclusion

Field	Description	Options	Type	Size
Header	Record Header			64
Member Promotion ID	Promotion Number		ASC_N	9
Checkout Bank Number	Checkout Bank ID		ASC_N	2
Filler			ASC_N	949
Total Bytes				1024

## Linked Items Header

Field	Description	Options	Type	Size
Header	Record Header			64
LNK_NBR	Link Item Number	Values 1-9999	ASC_N	4
LNK_DESC	Description		ASCII	20
VLD_FG	Active Flag	0 or 1	ASC_YN	1
	Filler			935
Total Bytes				1024

## Linked Item Detail

Field	Description	Options	Type	Size
Header	Record Header			64
LNK_NBR	Linked Item Code	Values 1-9999	ASC_N	4
ITEM_ID	Link Item ID		ASC_N	14
BTL_DPST_FG	Bottle Deposit Flag	0 or 1	ASC_YN	1
	Filler			941
Total Bytes				1024

## PLU Dynamic Attribute Link

Field	Description	Options	Type	Size
Header				64
ENTITY_ID	Entity Id (PLU or DEP)		ASCII_N	13
ITM_ATTRIB_ID	Attribute Id		ASCII_N	3
ATTRIB_NUM_VAL	Attribute numeric value		ASCII_N	9
ATTRIB_TXT_VAL	Attribute textual value		ASCII_N	50
ITM_ATTRIB_YES_NO	Item Attribute Value YES/NO		ASCII_N	1
ENTITY_TYPE	Entity type to link (0 =PLU; 1=DEP)		ASCII_N	3
Filler			ASCII_0	879
Total Bytes				1024

## EBT WIC Link

Field	Description	Options	Type	Size
Header	Record Header			64
Postal Code	WIC Agency (2 char State Postal Code)		Char	2
Item ID	Item ID		ASC_N	14
Enabled	Enabled	See Note	ASC_N	1
Filler			ASC_N	943
Total Bytes				1024

**Note:**

The existence of an item in a batch (as an addition) assumes the item is enabled for Electronic WIC.

**Note:**

In the Record Header, "INSERT" or "UPDATE" will set the "Enable WIC Sale" Flag. "DELETE" will uncheck the "Enable WIC Sale" Flag.

## Suppliers

Field	Description	Options	Type	Size	Validations
Header				64	
VENDOR_ID	Supplier Id		ASCII	7	
DESCR	Description		ASCII	32	
ADDRESS	Address		ASCII	64	
PHONE_NO_1	Phone Number 1		ASCII	32	
PHONE_NO_2	Phone Number 2		ASCII	32	
FAX_NO	Fax Number		ASCII	32	
EMAIL_ADRES	Email Address		ASCII	32	
CONACT_NAME	Contact Name		ASCII	32	
REMARKS	Remarks		ASCII	64	
VENDOR_TYPE	Vendor Type		ASCII_N	2	
NON_CHANGEABLE	Non-modifiable supplier		ASCII_N	1	
ORDERABLE	Order may be placed		ASCII_N	1	
AUTO_GEN_ORDER	Automatic generation of order		ASCII_N	1	
AUTO_SEND_ORDER	Automatic dispatch of order		ASCII_N	1	
ORDER_DEL_MECH	Order delivery mechanism		ASCII_N	2	
ORDER_PATH	Order output destination		ASCII	60	
MINIMUM_TYPE	Minimum order type		ASCII_N	2	
MINIMUM_ORDER	Minimum order amount		ASCII_N	10	
WEEKS_SALES	Number of weeks for average sales		ASCII_N	3	
ASN_INDICATOR	Purchase order acknowledgment in use		ASCII_N	1	
DLVR_ACC_INDICATOR	Delivery acceptance indicator		ASCII_N	2	

Field	Description	Options	Type	Size	Validations
DEL_VEND_FG	Delete Vendor Fg		ASCII_N	1	
DELETE_DATE	Delete Date		ASCII_DT	6	
ORDER_PACK_RNDG	Order rounding		ASCII_N	6	
WEEKS_SUPPLY	Weeks supply		ASCII_N	2	
ORDER_ALGO	Order algorithm		ASCII_N	1	
Filler				531	
Total Bytes				1024	

## Loyalty Promotion File

Field	Description	Options	Type	Size	Validations
Header				64	
MMBR_PROM_ID	Promotion Number		ASCII_N	9	
MMBR_PROM_TYP	Promotion Type	2 - Enhanced Promotion 3 - Group Promotion 8 - Order/Level Promotion	ASCII_N	1	
END_DATE	End Day		ASCII_DT	6	
PROM_DESC	Description		ASCII	20	
RWRD_TYP	Reward Type	0 - Not defined 1 - Cash value 2 - Percentage off 3 - Member card points 8 - New price 9 - Amount off per pound 10 - Amount off per item 11 - New price per pound 12 - Target message 13 - Percent of order 14 - Amount of order 15 - Free item 16 - Credits per item	ASCII_N	2	

Field	Description	Options	Type	Size	Validations
		17 - New price per quantity 18 - Multi reward in target message 19 - Member account 21 - New price per item 22 - Promotion deal			
STRT_DATE	Start Date		ASCII_DT	6	
CRD_DPNDNCY_FG	Member Card Required		ASCII_N	1	
ALL_SCHEM_AVAIL_FG	Available for all card scheme		ASCII_N	1	
SCHM_ID1	Member Card Scheme 1		ASCII_N	3	
SCHM_ID2	Member Card Scheme 2		ASCII_N	3	
SCHM_ID3	Member Card Scheme 3		ASCII_N	3	
SCHM_ID4	Member Card Scheme 4		ASCII_N	3	
SCHM_ID5	Member Card Scheme 5		ASCII_N	3	
SCHM_ID6	Member Card Scheme 6		ASCII_N	3	
SCHM_ID7	Member Card Scheme 7		ASCII_N	3	
SCHM_ID8	Member Card Scheme 8		ASCII_N	3	
SCHM_ID9	Member Card Scheme 9		ASCII_N	3	
SCHM_ID10	Member Card Scheme 10		ASCII_N	3	
LMT_QTY	Limited Quantity		ASCII_N	13	10 digits + 3 decimal points
RCPT_SEPERT_OPT	Receipt separation option		ASCII_N	2	
MSG_EXP_DAYS	Message expiry days		ASCII_N	4	
LIMIT_REWRD_PURCH_VOLUME	Limit reward by purchase volume		ASCII_N	5	
Null	Not Used			1	
Null	Not Used			1	
STRT_TM	Start Time		ASCII_DT	4	

Field	Description	Options	Type	Size	Validations
END_TM	End Time		ASCII_DT	4	
SUN_FG	Activation Day 1		ASCII_N	1	
MON_FG	Activation Day 2		ASCII_N	1	
TUE_FG	Activation Day 3		ASCII_N	1	
WED_FG	Activation Day 4		ASCII_N	1	
THU_FG	Activation Day 5		ASCII_N	1	
FRI_FG	Activation Day 6		ASCII_N	1	
SAT_FG	Activation Day 7		ASCII_N	1	
SUN_STRT_TM	Start Time 1		ASCII_DT	4	
SUN_END_TM	End Time 1		ASCII_DT	4	
MON_STRT_TM	Start Time 2		ASCII_DT	4	
MON_END_TM	End Time 2		ASCII_DT	4	
TUE_STRT_TM	Start Time 3		ASCII_DT	4	
TUE_END_TM	End Time 3		ASCII_DT	4	
WED_STRT_TM	Start Time 4		ASCII_DT	4	
WED_END_TM	End Time 4		ASCII_DT	4	
THU_STRT_TM	Start Time 5		ASCII_DT	4	
THU_END_TM	End Time 5		ASCII_DT	4	
FRI_STRT_TM	Start Time 6		ASCII_DT	4	
FRI_END_TM	End Time 6		ASCII_DT	4	
SAT_STRT_TM	Start Time 7		ASCII_DT	4	
SAT_END_TM	End Time 7		ASCII_DT	4	
LOW_HIGH_FG	Low or High reward price		ASCII_N	1	
DELAY_PROM_FG	Delayed Promotion		ASCII_N	1	
VAL_BY_CSHR_FG	Value entered by cashiers		ASCII_N	1	
CPN_RQRD	Required a Coupon Code		ASCII_N	13	
MIN_PURCH	Min Purchase		ASCII_N	13	
UPD_LOYALTY_SRV	Update Loyalty Server		ASCII_N	1	
CPN_REQ_TYP	Coupon Required Type	0 None 1 One time only 2 One time per Reward	ASCII_N	1	
PROM_EXT_ID	Promotion External ID		ASCII_N	8	
STR_HIER_ID	Department	List of department in the system	ASCII_N	4	
NON_NETTED_FG	Non Netted Flag		ASCII_N	1	
REWARD_	reward offset	Reward Location	ASCII_N	2	

Field	Description	Options	Type	Size	Validations
OFFSET					
REWARD_LENGTH	reward length		ASCII_N	2	
USE_BARCODE_PROG	Use Barcode Programming		ASCII_N	1	
MSG_ID_ON_ITM	Message ID on Item		ASCII_N	4	
MSG_ID_ON_TOTAL	Message ID on Total		ASCII_N	4	
PROM_LNK_TYP	Promotion Link Type		ASCII_N	2	
INCLUDE_TCKT_CRDT	Include Ticket Credits		ASCII_N	1	
USE_TRSHOLD_MULTPLR	Use PLU Threshold Multiplier		ASCII_N	1	
APPORTNMNT_ALGRM	Reward Apportionment at POS	4 = Reward items	ASCII_N	1	
MAN_TRIGR	Manually Triggered		ASCII_N	1	
PRMPT_CSHR_CONDITIONS	Prompt cashier for conditions		ASCII_N	1	
PRIORITY_BCKET_RWRD_CALC	Priority Bucket for Reward Calculation		ASCII_N	2	
RFND_ALLWD_FG	Refund Promotion		ASCII_N	1	
RWRD_PROM_COLLG_FG	Reward Offer Only by Promotion Collection		ASCII_N	1	
EXCLUD_ITMS_WITH_P RHBT_DISC	Exclude Items With Prohibit Discount		ASCII_N	1	
TRGT_MSG_TYP	Target Message Type	Target Message Type	ASCII_N	2	
PROM_DEAL_TYP	Promotion Deal Type		ASCII_N	1	
TMPLT_FOR_LOYALTY_PROM_PROGRESS	Template for Loyalty promotion progress		ASCII_N	6	
TRGT_MSG_TMPLT	Target Message Template		ASCII	10	
MMBR_ACCT_ACTIVITY_TYP	Member account activity type		ASCII_N	1	
MMBR_ACCT_	Member account		ASCII_N	13	10 digits + 3 decimal

Field	Description	Options	Type	Size	Validations
VAL	value				points
LMT_QTY_DAILY	Daily quantity limit		ASCII_N	6	
LMT_QTY_PERIOD	Period quantity limit		ASCII_N	6	
MARK_DOWN_ITM	Mark down item		ASCII_N	14	
GIVE_CALC_RWRD_AS	Give calculated reward as	0-Immediate reward 1-Member Account 2-Voucher	ASCII_N	2	
TMPLT_NUM_FOR_CALC_RWRD	Template Number for calculated reward		ASCII_N	4	
MSG_EXP_PERIOD_TYP	Message expiry period type	0-None 1-No. of Days 2-Date Range	ASCII_N	1	
MSG_EXP_PERIOD_FROM	Message expiry period From Date		ASCII_DT	6	
MSG_EXP_PERIOD_TO	Message expiry period To Date		ASCII_DT	6	
CRDT_CALC	Credit Calculation	Not used (move to condition record )	ASCII_N	2	
SUSPENDED	Suspended		ASCII_N	1	
APPLICBL_FOR	Promotion Applicable For	0 - All Stores 1 - Home Store Only 2 - Home & Neighborhood Stores	ASCII_N	2	
REDEEM_TRGR_MMR_ACCT	Redeem Triggered Member Accounts		ASCII_N	1	
CPN_RQRD	Required a Coupon Code		ASCII_N	14	
LMT_RWRD_VAL_IN_TICKET	Limit reward value in ticket		ASCII_N	7	
FUND_METHOD	Funding method	0-Retailer Only 1 - Supplier only 2 - Supplier percent contribution 3 - Supplier amount/item contribution	ASCII_N	2	

Field	Description	Options	Type	Size	Validations
FUND_VAL	Funding value		ASCII_N	7	Funding Method – 1 0– 100000 Funding Method – 2 0-999999
CONFLCT_LEVEL	CONFLCT_LEVEL		ASCII_N	2	0-Default 1-Exclude 2-Always wins 3-Always loses
CONFLCT_PARTIC	CONFLCT_PARTIC	No Yes	ASCII_N	1	
COUPON_ID	COUPON_ID	ID from REMA	ASCII_N	10	
MMBR_ACCT_ID	Member account number		ASCII_N	9	
RWRD_MMBR_ACCOUNT	Reward member account		ASCII_N	9	
PROM_APPLICABLE_MODE	Promotion Applicable mode		ASCII_N	2	
SEGMENT_ACTIVE	Segments active in		ASCII_N	2	
DISC_ALLOC_RCPT_PRNT	Discount Allocation for receipt printing		ASCII_N	1	
CLIENT_CONFIRM_REQUIRED	Trigger requires client confirmation flag		ASCII_N	1	
REFERENCE_NUMBER	REFERENCE_NUMBER		ASCII_N	4	
MESSAGE_NUMBER	MESSAGE_NUMBER		ASCII_N	4	
RWRD_EXEC	Reward Execution		ASCII_N	3	
REWARD_INITIATOR	Reward Initiator		ASCII_N	5	
VOUCHER_START_DAY_OPT	Voucher Start Day Option	Voucher Start Day Option: Issue Date One Day From Issuing One Week From Issuing Two Weeks From Issuing First Of Next	ASCII_N	3	

Field	Description	Options	Type	Size	Validations
		Month One Month From Now			
COUPON_REDEMPTION_NUMBER	Coupon Redemption Number		ASCII_N	6	
COUPON_ISSUING_NUMBER	Coupon Issuing Number		ASCII_N	6	
TM_CSHR_MSG_ID	Cashier display - Message ID		ASCII_N	5	
TM_CSHR_TIMING	Cashier display - Timing		ASCII_N	3	
TM_CUST_MSG_ID	Customer display - Message ID		ASCII_N	5	
TM_CUST_TIMING	Customer display - Timing		ASCII_N	3	
TM_RECIEPT_MSG_ID	Receipt Printing - Message ID		ASCII_N	5	
TM_RECIEPT_TIMING	Receipt Printing - Timing		ASCII_N	3	
TM_SPECIAL_EFFECT	Special effect at POS		ASCII_N	3	
NULL	Not used			1	
ALLOC_CONNECT_SEG	Connect Segment		ASCII_N	10	
ALLOC_DISCONNECT_SEG	Disconnect Segment		ASCII_N	10	
EXT_REF_ID	External Promotion ID	Numeric	ASCII	20	0
CRM_CUST_MSG_ID	Customer Communication Of Reward Msg Id		ASCII_N	5	
CRM_CUST_TIMING	Customer Communication Of Reward Msg Timing		ASCII_N	3	
CRM_CSHR_MSG_ID	Operator Communication Of Reward Msg Id		ASCII_N	5	
CRM_CSHR_TIMING	Operator Communication Of Reward Msg Timing		ASCII_N	3	
CRM_RECEIPT_MSG_ID	Receipt Communication Of Reward Msg Id		ASCII_N	3	

Field	Description	Options	Type	Size	Validations
CRM_RECEIPT_TIMING	Receipt Communication Of RewardMsg Timing		ASCII_N	3	
CRM_SPECIAL_EFFECT	Communication Of Reward Special Effect At POS		ASCII_N	3	
INS_CUST_MSG_ID	Customer Incentive Msg Id		ASCII_N	5	
INS_CUST_TIMING	Customer Incentive Msg Timing		ASCII_N	3	
INS_CSHR_MSG_ID	Operator Incentive Msg Id		ASCII_N	5	
INS_CSHR_TIMING	Operator Incentive Msg Timing		ASCII_N	3	
INS_RECEIPT_MSG_ID	Receipt Incentive Msg Id		ASCII_N	5	
INS_RECEIPT_TIMING	Receipt Incentive Msg Timing		ASCII_N	3	
INS_SPECIAL_EFFECT	Incentive Special Effect At POS		ASCII_N	3	
APR_CUST_MSG_ID	Customer Approval Msg Id		ASCII_N	5	
APR_CUST_TIMING	Customer Approval Msg Timing		ASCII_N	3	
APR_CSHR_MSG_ID	Operator Approval Msg Id		ASCII_N	5	
APR_CSHR_TIMING	Operator Approval Msg Timing		ASCII_N	3	
APR_SPECIAL_EFFECT	Approval Special Effect At POS		ASCII_N	3	
PROMOTION_OFFLINE_TYPE	Promotion Offline Type		ASC_YN	1	
RTN_ITM_ELIGIBLE_FG	Return Item Eligible		ASC_YN	1	
APPLY_TRIGGER_TO	Apply Trigger To		ASCII_N	3	
UOM_LIMIT_TYPE	UOM Limit Type		ASCII_N	1	
PERIOD_UOM_LIMIT	Period UOM Limit		ASCII_N	9	
ACCUMULATE_DISCOUNT_INTO_MA_FG	Accumulate Discount Into MA		ASCII_N	1	0 or 1
DISCOUNTS_ACCUMULATING_MA_ID	Discounts Accumulating MA ID		ASCII_N	14	

Field	Description	Options	Type	Size	Validations
Filler				385	

## Loyalty Promotion Reward Level Data

Field	Description	Options	Type	Size	Validations
Header				64	
MMBR_PROM_ID	Promotion Number		ASCII_N	9	
REWARD_LEVEL_ID	Reward Level ID	Enhance/Group – 1 Level – 1-5	ASCII_N	3	
RWRD_VAL	Reward Value		ASCII_N	13	
RWRD_TRSHOLD	Rewards Threshold Units		ASCII_N	13	
INJECT_FROM_MA	Inject		ASCII_N	1	
LMT_MA_RWD_FG	Limit MA Reward		ASCII_N	1	
REDUCE_MA_BY_RWD_FG	Reduce MA by Reward		ASC_YN	1	
INJECT_FROM_MA_ID	From MA		ASCII_N	6	
LMT_MA_RWD_VAL	Limit MA Reward Value		ASCII_N	13	
LMT_MA_RWD_TYPE	Limit MA Reward Type		ASCII_N	1	
MA_BAL_TYPE	MA Balance Type		ASCII_N	3	
EXTRACT_REWARD_FROM	Extract Reward From		ASCII_N	1	
REWARD_ELEMENT	Reward Element		ASCII_N	2	
Filler			ASCII_0	893	

## Loyalty Promotion Reward Level Condition Data

Field	Description	Options	Type	Size	Validations
Header				64	
MMBR_PROM_ID	Promotion Number		ASCII_N	9	
REWARD_LEVEL_ID	Reward Level ID		ASCII_N	3	
REWARD_LEVEL_CONDITION_ID	Promotion Condition ID	1- Enhance/Level 1-10 Group	ASCII_N	3	
GRP_MMBR	Group Member Account	List of member account in the	ASCII_N	9	

Field	Description	Options	Type	Size	Validations
		system			
SELECT_UNITS	Select Units (Grouping Type)	0 – All Items 1- Different Items 2- Same Items	ASCII_N	3	
CRDT_CALC	Credit Calculation	0 –Credit Calc Account Open Balance. 1-Credit Calc Include Ticket Earnings. 2-Credit Calc Ticket Earnings Only.	ASCII_N	3	
MIN_TRESHOLD_ FOR_TRIG	Min Threshold For Trigger		ASCII_N	13	
GRP_TYP	Group type	1-Units 2-Weight / Decimal / Volume 3-By Value 5-Order value 6-Promotion Trigger 10-Member Account 11-Case Item Quantity	ASCII_N	3	
TRSHOLD_QTY	Threshold Qty		ASCII_N	13	
SECOND_ THRESHOLD_ QTY	Second Threshold		ASCII_N	13	
MIN_VAL	Min Item Value		ASCII_N	13	
MIN_WGT	Min Item Weight		ASCII_N	13	
MAX_ITEM_ WGT	Max Item Weight		ASCII_N	13	
TRIG_FG	Apply reward Calc		ASCII_N	1	
APPLY_ APPORT	Apply Apportionment		ASCII_N	1	
CONTINUES_FG	CONTINUES flag		ASCII_N	1	
RWRD_ GRP	Reward Group		ASCII_N	1	
BUCKET_ LOGICAL_ RELATION	Bucket logical relation		ASCII_N	1	
MAX_ SPEND_ON_ RWRD_ CALC	Maximum spend on reward calculation		ASCII_N	13	

Field	Description	Options	Type	Size	Validations
LMT_RWRD_OF_UOM_VOLUME	Limit reward of UOM Volume		ASCII_N	13	
THRESHOLD_SUB_TYPE	Threshold Sub Type		ASCII_N	1	
INS_MSG_TRIGGER_VALUE	Trigger Value For Incentive Msg		ASCII_N	13	
Filler			ASCII_0	804	

## Dynamic Attribute Maintenance

Field	Description	Options	Type	Size
Header	Record Header			64
ITM_ATTRIB_ID	Item Attribute ID		ASCII_N	4
DESCR	Item Attribute Description		ASCII	20
ITM_ATTRIB_TYP	Item Attribute Type		ASCII_N	1
ALLOW_MMBR_PROM_ATTACH	Allow Member Promotion Attachment		ASCII_N	1
GENERATE_TRANSACTION	Generate Transaction for Item Attribute		ASCII_N	1
NUM_OF_DECIMAL	Num Of Decimal (for Numeric Value Item Attribute)		ASCII_N	1
ALLOW_MMBR_PROM_REWARD	Allow Member Promotion Reward		ASCII_N	1
DEFAULT_TXT_VAL	Default textual value of the Item Attribute		ASCII_N	50
DEFAULT_NUM_VAL	Default numeric value of the Item Attribute		ASCII_N	9
FRONT_OFFICE_USE_ONLY	Item Attribute used only in Front Office		ASCII_N	1
Filler			ASCII_0	930
Total Bytes				1024

## Dynamic Attribute Value Maintenance

Field	Description	Options	Type	Size
Header	Record Header			64
ITM_ATTRIB_ID	Item Attribute ID		ASCII_N	4
ITM_ATTRIB_VAL_ID	Item Attribute Value ID		ASCII_N	13
DESCR	Item Attribute Value Description		ASCII	50
Filler			ASCII_0	893
Total Bytes				1024

## Loyalty Promotion Checkout Bank Exclusion

Field	Description	Options	Type	Size
Header	Record Header			64
MMBR_PROM_ID	Promotion Number		ASCII_N	9
MMBR_PROM_TYP	Promotion Type		ASCII_N	1
BNK_ID	Checkout Bank Number		ASCII	2
Filler			ASCII_0	948
Total Bytes				1024







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