# Design Document for the Marketing Department of Marshall Field's 

## December 27, 2004 (Final)

The intent of this document is to provide a "feel" for what it will be like to use the proposed changes to the AdDept system. Emphasis in the samples used is on form, not content. No attempt has been made to make the results of one sample report consistent with another. The actual appearance of reports will depend upon the software and hardware used to transform spooled files into output.

On screens the fields that you can change are underlined.
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Tailored Systems Inc.

## Outline of Strategy

The primary goal of the installation is to modify the AdDept database so that it meets the needs of the Marketing Department of Marshall Fields and, at the same time, conforms to May Company standards.

## 1. Production Credits and Estimate $v$. Actual:

(a) The estimate $v$. actual report for one promotion is similar to reports which already exist in AdDept.
(b) The summary report by promotion for one campaign uses the same logic as the estimate v . actual report for calculating estimates and actual costs.
(c) The production credit reports shows the ads which ran during the month and the ads from previous months which had activity that month. For each ad it breaks down the expenses among the subaccounts used for invoices in the production credits category. A second report in the same format will show YTD expenses.
Changes to the Database: A new Y/N field will be added to the cost code table to flag the production credits.
Cost: $\$ 4,800$. Download added. Output files with a variable number of columns are difficult to program
2. Open Promos: This report requires that the change in \#1 be implemented. It lists the ads which have run by the end of the specified month which have not yet been closed.
Changes to the Database: You will be able to specify the season and month in which each ad is closed. The values will be stored on DPJOB, the file at the ad number (not version) level.
Cost: \$1,600.
3. Expenses and the General Ledger: Three sets of G/L accounts will be stored on the production and media sub-accounts: invoice, debit, and credit. Marshall Field's rules will be used for determining the debit and credit G/L accounts in the CAPS upload. At month end journal entries will be printed:
a) to recognize estimated expenses for all ads which ran during the month;
b) for cost savings both for ads closed during the month and for previously closed ads which received additional expenses;
c) for prepaid production costs (reversing).

Cost: \$5,700.
Changes to the Database: Same as \#2 plus new fields on the subaccount table for the old and new general ledger accounts and on the specs table for the old and new leased and transfer expense centers. A new field is required on the sub-account table to hold the ad type for expense class 9 , which has many sub-accounts.
4. Cost Accounting: For each promotion which ran during the month each department will be directly charged the page rate times the number of pages allocated to it. The difference between the total of the page rates and the total estimate will be charged to the storewide department (and then exploded). When the job is closed, the good news or bad news will be charged to the storewide department (and then exploded).
Changes to the Database: Fields for the leased and non-leased page rates will be provided for all media.
A new Y/N field and two dollar fields will be added to DPJOB (ad number level) for pages to specify whether to override the page cost and, if so, the amounts of the additional charges.

A new $\mathrm{Y} / \mathrm{N}$ field (similar to the field for leased departments) will be added to the department table to flag non-allocated departments. Records will be created for these departments on DAPANDL but left off of the 790 and DOS.
A field will be added to the specs to specify the storewide department to be used for allocating the difference between the estimated cost and the total of the directly allocated page costs.
Cost: \$5,600.
5. Monthly Expense Package: The discretionary code in AdDept will be used to hold the "buckets" for expense breakdowns. Every ad is assigned one discretionary code.
Changes to the Database: A sequence number will be added to the discretionary code table so that the "buckets" can be shown in the correct order.
A new table will be created for the five types of storewide events. A non-required code will be added to the event table to categorize the events.
The storewide and merchant discretionary codes will be recorded on the specs table.
The discretionary code and a field named LOADYN (to flag the load entries) will be added to the actual cost accounting file. For books, the discretionary code will come from the pages, if any. In all other cases, it will come from the ad file.
Three sort parameters will be added to the sub-account table in order to allow indirect sub-accounts to appear on the proper line. Cost: $\$ 6,500$. Separate backup reports for marketing initiatives and non-media.
6. Gross Media Costs by Market: This report requires sales by store by month. Since it will use the store cost accounting files, it will also require changes to the programs which create those files to make them compatible with Field's rules. The store cost accounting programs require that all pubs be associated with stores and that pub-store allocation percentages either be calculated from sales or entered manually.
Changes to the Database: A field will be added to the region (market) table to designate the Metro markets.
Cost: $\$ 3,500$. The bulk of this cost is for activating the store cost accounting module. Training and setup will be required to make this work.
7. Vendor Income by Media Type: This report will use actual vendor transactions.
Cost: \$2,600. Number of pages has a different data source. Added year-to-date version.
8. Vendor Income by Sub-Roman: This set of reports will replace the equivalent reports currently generated by the General Ledger System.
Cost:\$3,400. Added selectionby either expensemonth or transaction month and year-to-date version.

## 9. Terminology and Data Entry:

a) "Event" will be replaced by "Campaign" everywhere in the system.
Cost: \$4,500. < NO>
b) WRKADS option 1 :
"Calendar Comment" will be changed to "Comment."
The two "User Fields" will not be suppressed. They are now being used.

The default status for new ads will be P instead of A.
The default version code for new ads will be A instead of blank. A one-character field will be added for direct mail books to specify whether standard or first class mail is to be used. <This field is now by agreement in the new option 132 of WRKADS.> Cost: $\$ 1,200$.
c) All fields on the screen for moving an ad will be suppressed except for the new run date. The defaults will be used for all fields except those dealing with production schedules. Production schedules will never be adjusted when an ad is moved.
Cost: \$1,200.
d) A line of text will be displayed at the bottom of the change windows. The same text will appear for each type of change. Marshall Field's will be able to control what text appears. This requires changes to 67 screens in AdDept Cost: $\$ 2,500$. <NO>
e) Option 23 (vendors) will be activated for all media. Only the separator will appear for ads which are not books.
Changes to the Database: The fields for the separator will be added to DPJOB, the file for all media at the ad type.
Cost: \$1,200.
f) Sub-option 1 (new page) of option 5 (page assignments: actual) will be changed so that the primary participant specified for the book in option 1 of WRKADS will be used when the department number is left blank.
Cost: \$600.
g) Option 2 (media schedule) for books will be changed to show only one digit in the two quantity columns. This means that some accuracy will be lost in the total quantity for inserts.
Cost: $\$ 1200$. This requires a separate version of the main screen of option 2 of WRKADS for books. The window to display the totals will not be changed. All existing reports will still display the quantities in the format which they currently use.
h) Option 3 (allocation of costs and co-pay) for pages will be changed to show the page number on the book. Cost: $\$ 700$.
i) Option 3 and option 4 (allocation of costs and co-pay) will be changed to produce an allocation to the default department if they are skipped on new ads. This will help prevent problems if reports expect entries for all ads. Cost: \$1200.
j) The CAPS interface will be changed to place an asterisk in the first position of the description of every invoice. The ad number will be placed in the last five positions for production invoices. If the invoice has multiple ads, the first will be used. Cost: \$300.
10. Job Jacket and assignment sheet: A new WRKADS option will be created to hold the production information for the job jacket. Some of this is currently in option 21, some is in other options, and some is new.
A menu will be created for Marshall Field's production reports. Two new reports will be added to the menu: Job jacket and assignments sheet. The current WRKADS option 50 for the Job Jacket Cover will run the new job jacket program.

Changes to the Database: A new table will be created for the work groups. Records will be identified by a five-character code. There will be two types of work groups, personnel and approvers.
The following fields will be added to the employee table: work group code (required), Active (Y/N default is Y).
Fields currently available only for books (trim, live area, bleed, etc.) will be made available for magazines, too.
A text field of 40 characters will be provided at the version level for version comments.
Two new subfiles will be created at the ad number level: one for employee assignments and one for additional approvers.
Cost: $\$ 4,800$.
11. Active promotions list: The materials due date will be entered for new ads. This will affect the creation of the default production schedule. Reports will be provided for listing of active ads. Changes to the Database: Add a field to the ad type table to specify whether the due date should be entered.
One production schedule code will be designated as the master. Steps may not be changed on other codes. If steps are changed for this code, they will be changed for all codes.
Cost: $\$ 3,700$.
12. Preprint distribution list: This report will list the addresses of store pubs and the quantities which they should receive. Cost: $\$ 1,300$.

## 1. Production Credits and Estimate v. Actual

A new field will be added to DPCC, the cost category (estimating component) table in AdDept to allow flagging of the five production credits.

Category Number: $100 \quad 07 / 28 / 04 \quad 08 / 06 / 04$
$\qquad$
Type. . . . . . . . . . . T, M, V V T=Time M=Materials V=Vendor
Use on Estimates? . . . . . . Y,N $\underline{Y}$
Sub-Account ID. . . . . . . . . . D1001 Internal Production

Include in Production Costs?. Y,N Y
Production Credit?. . . . . . Y,N Y

F12=Select a New Item F4=List
Estimate v. Actual Report: Selection
Season . . . . $\quad \underline{042}$
Ad Number . . . $\quad \underline{80156}$
F3=Exit
Fress Enter to confirm.

Three new reports will be created and added to a menu which is specific to Marshall Field's. The selection screen for the estimate v . actual report is shown at left.

The report which summarizes costs by promotion for one campaign is shown on p. 8.

The report which summarizes activity for production credits is shown on p. 9.

| 10/04/03 Marshall Field's Marketing Department 07:45:10 Estimate vs Actual Report |  |  | PAGE 1 <br> OPT \#P622 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ad \#042-84016 Back-to-School Mailer <br> Mailer |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Estimating Component | Estimate | Billing Component | Vendor |  | Invoice \# | Actual | To CAPS | Variance |
| 100 Fashion Photo | 28,000.00 |  |  |  |  | 28,000.00 |  | 0.00 |
| 110 Internal Creative | 8,000.00 |  |  |  |  | 8,000.00 |  | 0.00 |
| 115 Internal Production | 6,400.00 |  |  |  |  | 6,400.00 |  | 0.00 |
| 120 Studio Photo | 4,000.00 |  |  |  |  | 4,000.00 |  | 0.00 |
| 340 Mailing Services | 200.00 |  |  |  |  |  |  | 200.00 |
| 400 Paper | 4,500.00 | D4001 Paper Cost | 014657124 | Paper Vendor | N347779 | 4,558.09 | 08/12/04 | 58.09- |
| 410 Printing/Binding | 8,000.00 | D410 Printing/Binding Printer | 057844132 | Acme Printing | 25682 | 7,965.59 | 09/15/04 | 34.41 |
| 412 Separations | 9,600.00 | D4121 Color Separations | 628815563 | Seps R Us | 8421800 | 9,580.00 | 08/12/04 | 20.00 |
| 510 Discounts | 0.00 | D5101 Discounts | 014657124 | Paper Vendor | N347779 | 72.88 - | 08/06/04 |  |
|  |  | D5101 Discounts | 628815563 | Seps R Us | 8421800 | 191.60- | 08/12/04 | 264.48- |
| Total | 68,700.00 |  |  |  |  | 68,239.20 |  | 460.80 |

This is a sample of what the Estimate Vs Actual Report will look like. The NOTE: The Discount costs for categories with $Y$ in the "Production Credits" field will automatically be carried over to the "Actual" column. Invoices in these categories will be recorded against the jobs in AdDept, but they will be ignored in this report, the next report, and in the cost accounting. NOTE: This report includes estimated and actual media invoices, which do not appear on AdDept production reports.

NOTE: The cost category numbers, sub-account codes, and vendor ID's and names have been added in order to make support easier.

The current job cost detail report in AdDept and the on-line job cost detail inquiry can also be used to audit the postings in the production credit sub-accounts on this and other ad-level report will only include non-media discounts. Discounts from newspapers and from the ad agency will be taken as semi-direct or indirect expenses. AdDept currently supports the use of a categories. separate sub-account for discounts or the allocation of discounts to the ads on the invoice, but it is not currently possible to do both.



## Rules for the Production Credits Report:

1. One report will be produced for each category of production credits: Fashion Photo, Internal Creative, etc.
2. The columns for each category will be determined by the third "Production Column Heading" field for each sub-account, as shown at right. The last six digits of the invoicing account have been copied into this field. The column headings will be derived from the "Projection Column Heading" fields on the subaccount table for the first sub-account encountered.
3. The Prod Credit column represents the estimate in that category.
4. One line will be printed per ad selected:
a. Each ad with a run date in the specified month with costs or estimates in the category;
b. Each ad from previous months for which invoices were posted during the month in sub-accounts associated with the category.
5. The ads will be sorted by expense class, expense season and month, ad type, and ad number.
6. A separate program will be provided to show year-to-date expenses. The report will have exactly the same format.
7. The download file, which can be created by either version of the report, will have one line for each ad. It will include the following columns, including the titles: cost category number and name, year, month, expense class number and name, ad type number and name, ad number, promo name (all 30 characters of the headline), and each data column including the three calculated columns at the end. There will be no subtotal or total rows.

## 2. Open Promos

Two new fields will be added to option 17 of the WRKADS program to allow you to specify the closing month of an ad. The system will only accept combinations of seasons and months equal or subsequent to the month in which the ad runs. Furthermore, the system will not accept combinations which represent locked months.

The month represents the closing of all versions of the ad, not just the one being displayed.


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This report will be placed on the monthly closing menu for Marshall Field's.

The selection screen for the open promos list is shown at left. Any legal combination of season and month will be accepted.

All active unclosed ads in the specified month or a preceding month will be selected.

Press Enter to confirm.
AdDept: Design Document for Marshall Field's Marketing

```
10/04/04 Marshall Field's Marketing Departmen
#romos Report
PAGE 1 OPT \#B624
Open Promos R
October, 2004
```



This is a sample of what the Open Promos Report will look like. You will enter the month. The system will select all ads with run dates in the month or any preceding month with no closed month. Ads will be sorted by expense class, ad type, and ad number.

Actual, Estimate and Variance will be calculated using the same rules as in \#1. There are no totals or subtotals on this report.

## 3. Expenses and the G/L

Every sub-account in AdDept currently has a primary G/L account associated with it. Usually this account is the expense account.


AdDept currently also has a field for the "Internal G/L Account." This field is currently used at some locations to designate the account number for a previously used G/L system.


A new screen will be added to the sub-account table to indicate the G/L accounts to be used. To minimize confusion the G/L Account and Internal Account fields on the screens shown on the previous page will be removed. The titles will be retained as column headings in order to maintain consistency with existing reports. The debit accounts will be stored in the existing fields and will therefore appear when existing reports are run. The four credit and invoice accounts will be put in new fields.

The new field for the ad type will only be required for production sub-accounts with expense class 9 .

The "internal accounts" will be filled in from the spreadsheets. If a cross-reference table becomes available, the new accounts will be filled in using the table.

Additional sub-accounts will be created for the expense portion of the cost savings entries. These sub-accounts will use CS plus the expense class or ad type (expense class 9) number as the code. The sub-account will be specified on the ad type table in the Prodn Sub-Account fields for each ad type.


Primary. secondary.
F4 $=$ List $\quad$ F12=Cancel


The prepaid account for production credits will be stored in an existing field on AdDept's specs table.

## General Ledger accounts to be used

1. Invoices
a. Record the debit account associated with the sub-account on the AdDept transaction record;
b. On the invoice upload:
1) Debit the invoice account associated with the subaccount on the transaction;
2) Credit the offset account;
3) Reverse for discounts and credits.
2. End of the month:
a. For each job which ran during the month:
1) Calculate the leased cost as the number of leased pages times the published page rate for lease.
2) Calculate the transfer cost as the number of transfer pages (departments with N in the "Transfer Department?" fieldon p. 21 of this document) times the published page rate. The non-merchant percentage is the leased cost plus the transfer cost divided by the total estimate.
3) For each category with an estimate:
(a) Find the sub-account:
(1) If the expense class is $1-8$, use the first subaccount with the same cost code and expense class.
(2) If the expense class is 9 , use the first subaccount with the same cost code and ad type.
(b) Debit the debit account on the sub-account for the total estimate times (100 - non-merchant percentage) / 100;
(c) If the ad has leased departments, debit the same expense center (firstseven digits), different account (last six digits) for the leased portion of the cost.
(c) If the ad includes transfer departments, debit the same expense center (first seven digits), different account (last six digits) for the transfer portion of the cost.
(d) Credit the credit account for the sub-account.
b. For every job closed during the month:
4) Skip production credits.
5) For all other categories
(a) Debit the cost savings account, which is the debit account for the primary production sub-account associated with the job's ad type, with the bad news;
(b) Credit the credit account;
(c) Reverse for good news.
c. For every invoice posted during the month in a subaccount with a cost category with N in the "Production Credits?" field for a previously closed job:
6) Debit the cost savings account on the sub-account table for the sub-account associated with the job's ad type with the bad news;
7) Credit the credit account;
8) NOTE: this includes media costs.
d. Prepaid invoices for production credits:
9) Criteria:
(a) Sub-account is associated with a cost code for production credits;
(b) Expense month is later than the month being closed.
10) Entries:
(a) Debit the prepaid account.
(b) Credit the invoice account.

$\begin{aligned} & \text { 07:45:10 } \text { Cost Savings } \\ & \text { December, } 2004\end{aligned}$
PAGE \#B522

...

This is a sample of what the second report will look like. You will enter the month and whether you want to use internal (old) G/L accounts. The system will select all ads with closed dates in the month. Ads will be sorted by expense class, ad type, and ad number. The amounts will be the variances. The credit accounts (assuming good news) will be the debit accounts on the sub-account table. The debit accounts will be the accounts associated with the Primary Production sub-account on the ad type table.

After all closed jobs have been listed, the report will then list in the same format invoices received during the month for jobs closed in previous months. The Estimate column will be 0 . Actual will be the invoice amount. The Variance will have the opposite sign as the invoice amount.

At the bottom of the report the program will print a summary of the entries in each account.

| $\begin{aligned} & 01 / 04 / 05 \\ & 07: 45: 10 \end{aligned}$ | Marshall Field's Marketing Department <br> Prepaid Production Credits <br> December, 2004 <br> Debit Prepaid Account \#1234567890123 |  |  |  |  | PAGE 1 OPT \#B |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Expense Class | Ad Type | $\mid$ Ad Number | Headline | Month | Invoicing Component | Credit | Amount |
| 5 Direct Mail | 54 Mailer | \| 042-84016| | Back to School Mailer | Jan 05 | D100E F/Photographer | 5016134694110 | 5,247.28 |
|  |  |  |  |  | D11102 C/Freelance Labor | 5016130679000 | 2,428.21 |
|  |  |  |  |  | D11103 C/Mockups 694110 | 5016130694110 | 375.00 |
|  |  |  |  |  | D11105 C/Shipping 672300 | $5016130672300 \mid$ | 152.40 |

This is a sample of what the third report will look like. You will enter the month and whether you want to use internal (old) G/L accounts. The system will select all invoices with transaction dates through the end of the selected month for sub-accounts associated with cost categories for production credits for jobs running in future months. Invoices will be sorted by expense class, ad number, and sub-account.

The credit account is the invoice account.
At the bottom of the report the program will print a summary of the entries in each account, including the prepaid account, which will be stored on AdDept's specs table.

## 4. Cost Accounting

The Original Budget field will be used for the total estimate for the ad. It, as well as all of the fields in the Cost per Page column will be removed. The Original Budget field will be maintained by Finance using option 17 of WRKADS.

The Published Cost and Published Cost (Lease) fields will be added to the screens for option 1 for the other media. The other fields which currently appear in the lower left portion of this screen will be suppressed.

| Work with Ads: Book Definition |  |  | SCR \#M22A |  |
| :--- | :--- | :--- | :--- | :--- |
| Ad \#001-80001A SUNDAY CIRCULAR | Circular | Created | Last Upd |  |
| Run: 04/09/00 |  | Active |  | N011784 |
| SUNDAY $\quad$ WK \#11 | MO \#3 |  | $10 / 22 / 04$ | $10 / 22 / 04$ |




More. . .
F4=List $\quad$ F5=Recalc $\quad$ F8=Quants $\quad$ F12=Cancel
ore. . .
F13=Alpha Dpt/Grp List F14=Copy Page Size


Three new fields will be added to the screen for defining a page. If the "Additional Charges?" field is Y, the "Charge" and "Charge (Leased)" will be added to the page cost for the departments on the page.

A new $\mathrm{Y} / \mathrm{N}$ field will be added to the department table for Marshall Field's: "Transfer Department?" The default will be Y. A department with no allocation rule will be included in the DOS, the 790, and the Monthly Expense Package if and only if it has a Y in this field. The purpose of this field is to allow certain departments to be excluded.

| Work with Departments: Field Entry Screen \#2 |  | SCR \#A15C |
| :--- | :--- | :--- |
|  | Created | Last Upd |
|  | BSJ | MIKEW |
| Department Number: 123 | $10 / 03 / 91$ | $01 / 02 / 94$ |

Active? . . . . . . . . . Y,N $\underline{Y}$
Allocation Rule Number. . . . _ Transfer Department? . . Y,N Y
Reserve Sub-Account . . . . . RES50 D. HILTON

Semi-direct Allocations?. Y,N $\underline{Y}$
F4 4 List F12=Return More.

Changes to the cost accounting algorithm:

1. Preliminary allocations will be used instead of measurements. The system already uses preliminary allocations when there are no measurements. This logic will be maintained so that measurements can be used in the future if necessary.
2. When calculating the costs for ads which ran during the month:
a) All allocations to the storewide department will be skipped.
b) All actual costs will be ignored.
c) The Published Cost (or Published Cost (Lease) for leased departments) will be multiplied by the number of pages to determine the costs for all other departments.
d) Additional costs specified at the page level will be added to the page costs.
e) The difference between the total allocated direct costs and the Original Budget will be allocated to the storewide department. If explosion was selected, the costs will be exploded to departments based on sales. This will be done in two pieces -- the non-load portion (Published Cost x number of storewide pages) and load (the difference between Original Budget and total direct and storewide allocations). Load will be flagged with a Y in a new LOADYN field.
3. There will be no media or production adjustments.
4. For all ads closed during the month, the difference between the total actual costs and the Original Budget will be allocated to the storewide department. Categories marked as production credits will be skipped in this pass.
5. Invoices received during the month for jobs closed in previous months will be charged in the current month.

## 5. Monthly Expense Package

Discretionary codes in AdDept will be used for the "buckets" used by Marshall Field's for budgeting purposes. The sequence number to be added to the discretionary code table has no intrinsic meaning. It will be used to determine the order of the "buckets" on these reports.

The Type will be used to determine in which section of the market summary these expenses appear.

The G/L Account on this table will not be used.


One discretionary code will be designated on AdDept's specs table as the "storewide" code and one as the "merchant" code.

The storewide event type table will have four entries: 13 Hour Sale, 2 Day Sale, Major Sales, and Other/ Clearance Sales.

If the ad is assigned the storewide discretionary code, it must also be assigned an event which has a storewide event type. If the ad is not assigned the storewide discretionary code, the event code cannot have a storewide event type.

| Work with Sub-Accounts: Field Entry |  |  |  | SCR \#A18CLast UpdTSIFL10/29/04 |
| :---: | :---: | :---: | :---: | :---: |
| Code: C120I |  |  | Created |  |
|  |  |  | 10/29/04 |  |
| Invoice Account |  | G/L Account | Internal Account$5016131694110$ |  |
|  |  |  |  |  |
| Debit Ac | t |  | 5016153563000 |  |
| Credit A | unt. . |  | $\underline{5016131569000}$ |  |
| Ad Type | . . . . . | - |  |  |
| Sorts fo | directs | $\underline{1} 2 \underline{120}$ |  |  |
| F4=List | F12 $=$ Cancel |  |  |  |

A new set of fields will be added to the sub-account table to allow specification of the line used in the Expense Summary by Bucket, which appears on the next page.

The sort fields are described on the page following the report. Entries in the merchants section (sort 1=2; sort $2=1$ ) will not be allowed.


The algorithm for determining the line to which each type of expense contributes is described on the next page. The direct expenses will be derived from AdDept's actual cost accounting files.

## Algorithm for producing the expense summary by bucket report:

1. Sort:
a) First sort (1=Operations; 2=Media; 3=Other);
b) Second sort (in the Media section 1=Merchant; 2=Nonmerchant; 3=Cost Savings/Load);
c) Third sort (five characters: GMM, cost category (estimating component), discretionary code (bucket), etc.).
2. Active ads which ran during the month:
a) If the ad has a discretionary code with type X , exclude it.
b) The amount is the non-leased amount as described on p . 14.
c) For estimates of production credit categories:
1) First sort $=1$;
2) Second sort $=2$;
3) Third sort = cost code.
d) For estimates of all other categories:
4) If the discretionary code is the merchant code, allocate estimated cost to departments. Exclude leased departments. For departments with no allocation rule:
(a) First sort = 2;
(b) Second sort = 1;
5) Third sort = GMM number.
6) If the discretionary code is the merchant code (for departments with allocation rules) or the discretionary code is a type M code which is not the merchant code:
(a) First sort $=2$;
(b) Second sort $=2$;
(c) Third sort = sequence on discretionary code.
7) If the discretionary code is type O :
(a) First sort = 3;
(b) Second sort $=1$;
(c) Third sort = sequence on discretionary code.
3. Indirect invoices for that expense month: All three sort fields determined by the new fields on the sub-account table.
4. Invoices posted for production credit categories:
a) Amount is negative;
b) First sort = 1;
c) Second sort $=3$;
d) Third sort $=0$.
5. Cost Savings and Load:
a) Calculations are described on p. 14;
b) First sort $=2$;
c) Second sort $=3$;
d) Third sort $=0$.


| 10/04/04 Marshall Field's Marketing Department 07:45:10 Storewide Expense Summary by Event Type September 2004 |  |  |  |  | PAGE 1 <br> OPT \#B601C <br> is report serves as the bact xpense Summary by Buck ch storewide event type. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Media | Actual | o Date---- <br> Last Year | Actual | Date---- <br> Last Year |  |
| $\begin{aligned} & 13 \text { Hour Sale } \\ & \text { RoP } \end{aligned}$ | 583.7 | 597.5 | 2,704.6 | 1,358.7 |  |
| ${ }_{\text {Circular }}^{\text {Direct Mail }}$ | . 0 | . 0 | . 0 | $\bigcirc$ |  |
| Radio | 201.2 | 255.9 | 755.2 | 1,345.6 |  |
| ${ }_{\text {TV }}^{\text {Other }}$ | $\begin{array}{r}987.6 \\ \hline 0\end{array}$ | 998.9 12.0 | $4,836.0$ 8.0 | $3,850.9$ 72.0 |  |
| Total | 1,772.4 | 1,864.2 | 8,303.8 | 8,030.6 |  |
| $\cdots$ |  |  |  |  |  |
| ROP | 1,486.9 | 2,563.7 | 2,311.5 | 6,535.4 |  |
| $\stackrel{\text { Circular }}{\text { Direct Mail }}$ | . 0 | . 0 | 465.0 919.4 | 977.2 958.4 |  |
| Radio | 678.8 | 750.0 | $4,050.8$ | $5,224.6$ |  |
| Tv <br> other | 987.6 90.0 | $\begin{array}{r} 1,273.9 \\ 251.4 \end{array}$ | $7,090.3$ 494.8 | $\begin{array}{r} 6,965.0 \\ 1,634.1 \end{array}$ |  |
| Gross | 8,892.2 | 8,210.6 | 25,343.1 | 25,105.9 |  |

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Media and Non-Media Expense Summary for Marketing Initiatives September 2004

|  | ----Month to Date---- |  | -----Year to Date---- <br> Actual Last Year |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| ROP | 59.5 | 535.9 | 934.0 | 1,535.5 |
| Circular | . 0 | . 0 | 1,365.6 | 51.0 |
| Direct Mail | 564.1 | 220.8 | 2,539.4 | 220.8 |
| Radio | 0.0 | 0.0 | 0.0 | 0.0 |
| тV | 1,604.6 | 0.0 | 3,131.6 | 230.9 |
| Indirect 1 | xxx.x | xxx.x | xxx.x | xxx.x |
| Total | x,xxx.x | x,xxx.x | x,xxx.x | x,xxx.x |

PAGE 1 OPT \#B601D

This report serves as the backup for the non-merchant lines on the Expense Summary by Bucket Report. One report will be generated for each discretionary code. One line will be printed for direct expenses for each expense class which has activity. One line will be printed for each sub-account with indirect expenses. The name of the sub-account will be printed in the first column of the report, where on the sample Indirect 1 is printed.



## 6. Gross Media Costs by Market

In order that the metro markets can be analyzed separately from the regional markets a new field will be added to DMREGN, the table used to designate markets.

| Work with Markets : Field Entry |
| :--- | :--- | :--- | :--- |

The report on the following page will require that AdDept's cost accounting by store programs be modified to accommodate the logic used by Marshall Field's for calculating costs for a month.

Costs will be calculated using the following rules:

- Media costs will be based on scheduled media for ads running during the month.
- Media adjustments will be for ads closed during the month.
- All costs for direct mail and non-media costs for other ad types will be based on the estimates for the ads excluding the sub-accounts for "production credits."


The \$'s column for direct mail and the Paper Mfg column for circular represent all direct expenses except media and production credits.

The Unallocated Production line will include agency fees (semi-direct) for broadcast and production credits for ROP, circular, and direct mail.

A second report in the same format for year-to-date costs and sales will also be produced.

## 7. Vendor Income by Media Type

Vendor income in AdDeptcomes from transactions in sub-accounts which have been designated with a Y in the "Contra Account?" field.



This program reports actual vendor dollars by expense class for each DMM. A subtotal is printed for each GMM.

The distinction between major sale and other have been dropped. Ad types for collection books have schedule form 2,1 (catalogs).

Selection of transactions will be based upon the transaction month. The columns for \# pages will correspond with the ads which ran during the season.

A separate program will provide the same information on a year-to-date basis.

## 8. Vendor Income by Sub-Roman

Every CCN is associated with one Sub-Roman. This entity will be used to hold the budgets for coop. The program to allow budgeting by SubRoman will be activated. This will allow you to enter co-op budgets by Sub-Roman and media. There are currently no plans to use the other fields on this file.


Three reports will be created and added to a menu which is specific to Marshall Field's. Samples are provided on the following pages.

AdDept: Design Document for Marshall Field's Marketing



All co-op transactions for the specified month (expense month or transaction month) will be selected. They will be sorted by Roman, Sub-Roman, vendor, and invoice number (which is slightly different from the sample).

The date on these lines is the transaction date. The expense month in AdDept is generally the later of the transaction month and the ad's run month.

A separate program will provide the same information on a year-to-date

Press Enter to confirm. basis.

| 10/04/04 Marshall Field's Marketing Department <br> 07:45:10 Net Expense by Sub-Roman and Promotion <br> March 2004 Sub-Roman 080 Cosmetics Accessories |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Expense | Promo |  |  |  | Planned |  |
| Class | \# | Headline | Date | Gross | Vendor | Net |
| 4 Circular | 34802 | Week 5 Circular | \|03/07/04 | 33,000.00 |  |  |
| 4 Circular | 34803 | Week 6 Circular | 03/14/04 | 66,000.00 |  |  |
| Total Circular |  |  |  | 99,000.00 | 41,000.00 | 58,000.00 |
|  |  |  |  |  |  |  |
|  | Total |  |  | 129,784.00 | 41,000.00 | 88,784.00 |



This report will use the data on the cost accounting files for the costs sorted by Sub-Roman, expense class, and ad number. One report will be printed for each Sub-Roman. One line will be printed for each ad. Subtotals will be printed for each expense class.

The planned vendor described on p. 35 will be used for the vendor.

| 10/04/04 Marshall Field's Marketing Department 07:45:10 Vendor Income by Sub-Roman March 2004 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Sub- <br> Roman | Description | Actual | Plan | Variance |
| 060 | Women's Fragrances | 154,500.00 | 152,000.00 | 2,500.00 |
| -•• |  |  |  |  |
| 080 | \|Cosmetic Accessories| | 409,003.00 | 41,000.00 | 368,003.00 |
|  | Cosmetics | 1,011,303.00 | 556,100.00 | 455,203.00 |



This report consists of the subtotals and totals of the report on page 36 .

A report with the same format for year-to-date totals will also be created.

## 9a. "Campaign" for Event

AdDept already supports several terms for which an alias can be provided. The term "Event" will be added, as shown on the screen at right. Everywhere in the system "Event" will be changed to the long alias "Campaign" if there is enough room and the short alias "Camp." if there is not. Obviously if the term is used in a different context (e.g., "Special Event" or "Event Date"), it will not be changed.

```
Work with Specs: System Values: Aliases
SCR #A31C
Alias for Region. . . . . . . . . Region
Short Alias for Region. . . . . . Neg
Alias for Super Region. . . . . . Super Region
Short Alias for Super Region. . . Srg
Description for AD ADD. . . . . . AD ADD
Vendor ID . . . . . . . . . . . . 
                                    2=Dept # plus Number
Alias for Estimate. . . . . . . . Original Estimate
Short Alias for Estimate. . . . . Estimate
Alias for Latest Projection . . . Latest Projection
Short Alias for Latest Projection Latest
Alias for Event . . . . . . . . . Campaign
Short Alias for Event . . . . . . Camp.
F3=Exit F12=Cancel
```

Killed.

## 10. Job Jacket, etc.

A new table will be created to allow definition of work groups. The key to the table will be a fivecharacter code. The editable fields on the table will be the name of the group, a sequence number (which will be used to order the groups on the job jacket), and two Y/N fields to identify whether the group is to be used for approvers and whether to show the group on the job jacket even if none of its employees have been assigned.

| Work with Employees: Field Entry Screen | Created <br> MIKEW <br> $04 / 10 / 04$ | SCR \#P12B <br> Last Upd <br> SANDY <br> $10 / 09 / 04$ |
| :--- | :--- | :--- | :--- |
| Employee ID: MW |  |  |

The phone and fax number will be activated on the employee table. A new field for the work group code will be added. This will be a required field at Marshall Field's and validated against the new work group table. The F4 key will be functional in the field. A new field will also be added so that you can designate whether an employee is active. Only active employees will be shown on the screen at the top of the next page.


Unlike other AdDept users, Marshall Field's plans to use the same steps for each production schedule. Therefore one production schedule will be designated as the "master." It doesn't really matter which one is selected. In this example DM was chosen.

If the user attempts to change the steps for any other schedule, an error will be displayed.

When changes are made to the steps for the master schedule, they will be cascaded to the other production schedules as well.


A new option will be added to the WRKADS program to allow you to select a list of employees assigned to a job in a manner that is similar to the method of selecting pubs. The screen at left is a representation of how this will work. You can select employees either by placing a 1 next to the name or by entering the initials. There will be no restrictions on the number of employees assigned to the job.

F6 will allow you to base the list on that of another job.

This list of employees will NOT replace option 22, and there will be no link between the list and the production schedule.

Another new option will be added to the WRKADS program to allow you to specify a list for the job of additional approvers who are not in the employee table. Add an approver to the list by entering a sequence number and a name. Remove by blanking out the sequence number.

F6 will allow you to base the list on that of another job.



A new option will be added to the WRKADS program to allow you to key in the production information for the job jacket. Some of this information is already in AdDept. Some is new.
"New?" must be Y or N. The "Pick-up From:" comment can be up to 20 characters.
"Illus/Photo Type?" must be Y or N. The "Pick-up From:" comment can be up to 20 characters.

Text fields for books:
Trim (20 characters), Live Area (20 characters), Bleed (20 characters), Other (20 characters), Side 1 Color (10 characters), Side 2 Color (10 characters), Number of Pages (10 characters), and Quantity (10 characters). The fields for Live Area, Side 1 Color, Number of Pages, and Quantity are currently in option 21 of WRKADS, and they will remain there. The Side 1 Color is called Color on that screen. The other fields are new. If the ad is a magazine (schedule form 1,4 ), the fields for books will appear, except (1) Color will be shown instead of Color Side 1; (2) Color Side 2 and Quantity will be suppressed. New fields for magazines will not be available in option 21 of WRKADS.

If the ad is not a book or a magazine, the Size (20 characters) and Color (10 characters) fields will appear. The text fields for books will not appear for ROP.

Two lines of 40 characters are available for Production Notes. These fields are currently in option 21 of WRKADS, and they will remain there.

F6 will allow you to specify a job to use as the basis for the information for this job.
F8 will save the information on the screen, run the program to print the job jacket, and then return to the WRKADS selection screen.
F10 will display a window which will let you enter up to 40 characters of comments for each version of the ad.


For the most part the information in the first column is derived from the screen shown on the previous page.

The second line is the "built job name: headline-pub group-size-color-run date." The fourth line is the discretionary code.

Quantities by pub (newspaper or market) will be shown for circular and direct mail. Newspapers will be listed with size, date, and version code for ROP. These values are in option 2 of WRKADS.

Production schedules are updated through the use of option 24 of WRKADS.

Steps will be listed even if no date is assigned.

Personnel and approvers will be maintained in the new WRKADS options described on the previous pages.

Groups so designated will be listed even if no one is assigned.


This little sheet will show all of the personnel assigned to the job on the left and all of the approvers, including the "additional approvers" on the right. It can be printed in a larger font, if that is desirable.

The second line of the first column is the "built job name." The fourth line is the description of the discretionary code.

The selection screen for this program will allow you to enter the ad number and a ten-character "Dot Stage."

## 11. Production Schedules and Open Promo Lists

A new field will be added to the ad type table to specify whether a materials date is required.

The work flow will be changed so that for each new ad a window will appear to allow the person starting the job to enter the materials due date. This window will appear unless:

1) The ad type does not require it.
2) Another version of the ad exists.
3) The ad type does not have a valid production schedule code.
4) The ad type has no valid timetable code.
5) No step has cross-reference 24.

Blank and any legal date will be accepted in the Materials Due Date field. The production schedule will be created using the run date and the values on the tables. If the Materials Due Date is left blank, the default schedule will be used.

If a legal date is entered, the number of days between the entered date and the date for the step with cross-reference 24 will be calculated. The release date will be offset by the same number of days, and the schedule will be recalculated and saved, along with the revised release date.

| Work with Ad Types: Field Entry |  | SCR \#M14C |
| :--- | :--- | :--- |
|  | Created | Last Upd |
| Ad Type \#10 | N056213 | TSIFL |




F4=List F12=Cancel

| Work with Ads: Book Definition |  | SCR \#M22A |
| :--- | :--- | ---: |
| Ad \#001-80001A SUNDAY CIRCULAR | Circular |  |
| Run: 04/09/00 |  | Active |
| SUNDAY WK \#11 MO \#3 |  | New |

Description
Number of Pages
Number of Flap Pages.
Department/Group.
Rate Code
Event Code
Pub Group
Size.
SUNDAY CIRCULAR


Dummy Campaign
Circular All
8 1/2 x 11
Page Size (Per Cent). . 100.00
Original Budget
Published Cost
Published Cost (Lease).
F12=Cancel
More...


This is a sample of what the report will look like. A page will be printed for each item (employee, ad type, event, or work group). The third line of the report header will describe which report was run and which item appears on that page.

Ads for each item will be sorted by release date and then ad number. The last column will appear only on the work group report.

The "Job Name" field on this report is the "built headline" described in item 10.


The screen at left will provide the selection criteria for the report. If you enter a range of run dates, ads running in that period will appear. Otherwise all ads with a release date of the current date or later will be selected.

Each report type has a selection field associated with it. In each case you can either select all or specify up to five codes. The F4=List key will be available for each field.


## 12. Distribution List

Pubs can be set up for store quantities. The key is to designate them with S in the "Special Pub" field on screen \#M8C.

Default quantities will be used when the pubs are assigned to ads. The addresses on the pub tables will be used in the distribution list. If an address is entered in option 4, it will be used. Otherwise the "Insertion Order Address" will be used. The store code should be placed in User Field 2.

A new report (next page) will be created for the distribution list. NOTE: Only store quantities will be shown on the report.

```
08/04/04 Marshall Field's Marketing Department
07:45:10 Distribution Lis
    Ad Number 042-12345 Fragrance Book-CIRCA-Tab-4C-10/18
    Region 1, Detroit
```



This is a sample of what the report will look like. You will select the ad number. Only pubs with S in the "Special Pub" field will be selected. Pubs will be sorted by super region sequence, super region code, region (market) sequence, region code, pub sequence and pub code. One page will be printed for each super region. The total quantity for the region will be printed at the bottom of the page. The total quantity for all regions will be printed at the bottom of the last page.

The value of user field 2 on the pub table will be used as the store code shown in the second column.


[^0]:    F4=List
    F12 =Cancel

