

MCBA™ Mini-Computer Business Applications, Inc.
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Specializing In Business Applications for Mini-Computers

ACCOUNTS PAYABLE SYSTEM

Version: DIBOL® - 11 Disk - Source

Release: 5

APRIL 1978

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CONTACTING FIELD SUPPORT

The following is our policy and procedure on supporting customers who have bought MCBA packages on a no-hand-holding basis and who are currently under warranty or on Software Subscription Service directly with MCBA. (End Users who have purchased their MCBA software from an MCBA OEM should contact their OEM for support.)

If any problem or question arises concerning any aspect of the package or its operation, contact the Field Support department either by letter, phone, or telex (#194188). We will endeavor to answer your questions as quickly and as thoroughly as possible.

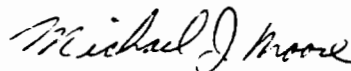
When you phone MCBA for assistance or advice, please identify yourself (name and company name), indicate the type of system (hardware manufacturer), language and application package you are using, and ask to be connected with the proper Field Support representative.

A Software Performance Report (SPR) is provided on the following pages for the purpose of evaluating our software should you care to make a recommendation or find a bug. Please be as comprehensive as possible in submitting an SPR.

If a bug is reported in one of our packages, our procedure is: 1) duplicate the situation at MCBA on our own disk; 2) fix the bug; 3) send out a patch to all customers who have the particular system. If the problem is critical for the customer reporting the bug and he needs it fixed right away, someone in Field Support will give him the data over the phone as quickly as possible.

Since we are constantly checking to find ways to improve the quality of our products, we appreciate any suggestions or reports from our customers.

We will endeavor to help in any way we can to answer a customer's questions or fix any problem that arises in the use of our packages. Please do contact Field Support if you need some assistance.



Michael J. Moore
Field Support Manager

4. Problem Description:

What was the exact sequence of actions leading up to the failure:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____
- h) _____

What phase of operation was the program in? _____

Has this program run successfully before? yes/no

If so, have there been any recent changes in the programs, the Hardware, System Software, or Operating Procedures? _____

(describe any changes) _____

Applicable MCEA documentation (please note page numbers)

Any other data that may help isolate the problem: _____

Has it now been fixed? yes/no How? _____

Listing/Media Included? _____

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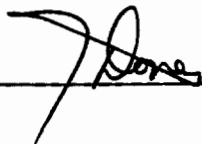
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Checked by



Date



Package: ACCOUNTS PAYABLE

System capabilities:

1. This is an accrual system.
2. Has complete Vendor file maintenance: add, change, delete and list.

The vendor record contains: vendor #, name, 2 street address lines, city, state, zip, total \$ billed and # vouchers year-to-date.

3. Allows interactive entry and editing of New Payables (includes Credits and Prepays).

A "voucher #" is automatically assigned to each invoice entered.

The data entered is: vendor # (with automatic verification and display of vendor name), invoice # and date (one invoice to a voucher), invoice amount, discount percent or amount (if applicable), and due date. For pre-pays, the check # and check date are also entered.

The distribution of the invoice to the General Ledger must also be entered. Distribution may be against up to nine G/L accounts for each voucher. G/L account #s are interactively verified and the account description displayed on the CRT. The full invoice amount must be distributed.

4. Prints the "Accounts Payable Voucher Register" showing the data entered in step 2 above, with totals.
5. Prints the "Accounts Payable Aged Trial Balance" on request, either for all vendors or for selected vendors. Aging is by invoice date. At the operator's option, the detail within each vendor may be suppressed, thereby showing only the summary aged subtotals for each vendor.
6. Prints the "Cash Requirements Report" on request for the specified due date. This report shows all items due (by vendor), plus any discounts valid or lost on the specified payment date.
7. Payment of open items may be by either Deferral or Selection. In the deferral method, all items prior to the specified due date - except those specifically deferred are paid. Deferral may be for an entire vendor, or for selected vouchers within a vendor. In the selection method, only those items specifically selected are paid. Partial payments may be made in either method.
8. Prints the "Pre-Check Writing Report" showing vouchers (by vendor) that are to be paid. Adjustments may be made prior to check writing.

9. Prints Accounts Payable checks using stub-over-check format. Uses pre-numbered checks. The starting check # and check date must be entered thru the CRT. Provisions are made for restarting check printing from any specified point if necessary.
10. Prints the "Accounts Payable Check Register" (Cash Disbursement Journal) showing details of vouchers paid (by vendor) on each check. Any prepaids entered since the last Check Register are also automatically shown on this report.
11. Prints the monthly "Accounts Payable/General Ledger Distribution Cross Reference" showing G/L distribution (by account #) of all new payables entered for the month ended. At the operator's option, the detail within each account may be suppressed, thereby showing only the total amount distributed to each G/L account.
12. Prints the "Vendor Analysis Report" on request, showing the total \$ billed, the number of vouchers (one invoice per voucher) and the average voucher amount for each vendor year-to-date.
13. At the User's option, the system may be automatically interfaced to the General Ledger at month end.
14. Other miscellaneous support programs.

Approximate record sizes:

Vendor record	128 characters (includes Index overhead)
A/P Open record	54 characters
New Payables record	222 characters
G/L Distribution record	42 characters

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: REL SYSTEMSGENERAL INSTALLATION NOTES

There are no DEC System programs on the MCBA distribution disk. Per step 2 below, you will need to supply your own disk with the DEC System programs on it in order to build the system(s).

1. Make a copy of the MCBA distribution disk. Since there is no copy program on the MCBA disk, this copy will have to be done by mounting a disk with a copy program ("DUP" or "PIP"), running the copy program, removing the disk if necessary, and copying the MCBA disk.

After the back-up is done, remove both disks and put the back-up aside.

2. Label an RK05 disk "MCBA Generation Disk". This disk should have the directory expanded to a minimum of 16 segments (using DUP, option /Z/B/N:22). For large disks (such as RK06, RK07, RL01, etc) it is recommended that the directory be initialized to 31 segments. This disk should contain:

```

SWAP.SYS
RKMNSJ.SYS (or appropriate monitor file for RT-11 version 3B)
TT.SYS
LP.SYS
BA.SYS
PIP.SAV
DIR.SAV
DUP.SAV
LINK.SAV
EDIT.SAV (or appropriate editor)
BATCH.SAV
LIBR.SAV

```

- a) If the system is to be built using DEC's business operating system (CTS-300) instead of the MCBA supplied DBL system, the disk should also contain:

```

DICOMP.SAV
DIBOL.OBJ
TDIBOL.OBJ
TSD.SAV
RTEXTIT.TSD

```

The TSD.SAV program should be one which has been sysgened for your machine, and one in which the following values were specified:

- Number programs to run = Number of terminals
- Standard size terminal buffer = N (input = 72 & output = 72)
- Number of messages in memory = 1 per terminal

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 Disk

System: ALL SYSTEMS

GENERAL INSTALLATION NOTES

- Number channels open per program = 10
- Lock USR in core = Y
- DDT = N

b) If the system is to be built using DBL and DBL is not on the MCBA distribution disk being used, the disk just mounted should also contain:

DBL.SAV	SDBL.REL
DLIB.OBJ	DBLERR.SAV

c) If the system is being built under TSX and will be built for multi-terminal DBL, the disk should also contain:

TDBL.REL	TSX.REL
TSGO.SAV	DBLERR.SAV

The file TSX.REL should be built per the DBL Reference Manual and TSX System Generation Manual.

d) If the system is being built under TSX and will be built for multi-terminal DIBOL, the disk should also contain:

TSGO.SAV
TSX.REL

The file TSX.REL should be built per the TSX System Generation Manual.

CAUTION:

If DIBOL programs compiled with DICOMP are to be run under TSX, ENVRN must be edited to return a value of 1 in SYSTEM. (SYSTEM = 1) See MCBA's Utility Manual for additional data.

3. Mount and boot the "MCBA Generation Disk".
4. Next, mount the MCBA Distribution disk and copy all the files onto the "MCBA Generation Disk". This is done using PIP with the wild card option.

Verify that the "MCBA Generation Disk" has at least 1500 to 2200 free blocks. The larger size may be needed for an MCBA system build for the vertical packages (CWU, PTB, etc.). If this space is not available, files unnecessary in completing the build must be deleted.

I N S T A L L A T I O N N O T E S

VERSION: DIBOL - 11 DISK

SYSTEM: ALL SYSTEMS

GENERAL INSTALLATION NOTES

5. Remove the MCBA distribution disk. The "MCBA Generation Disk" now contains all the files and programs necessary to build the system(s) per the Installation Notes for the specific system(s) which are on the following pages.
6. For your convenience, a list batch has been provided to facilitate the listing of your source programs to the line printer (device "LP:").

Define the input device by typing:

```
ASS dev DK
```

where dev is the device where the source programs are located.

Set up the batch by typing:

```
ASS LP LOG  
LOA LP,BA,RK (or appropriate device headers)
```

To run, type:

```
.R Batch  
*LISTXX.XX
```

where XX is the package name (i.e. AP, GL).

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: APRelease: 5

1. Perform steps 1-5 of the "General Installation Notes".
2. Label a formatted scratch disk: "Accounts Payable Master" and mount it on another drive. This disk must be pre-formatted and initialized with the same directory size as the "MCBA Generation Disk".
3. Define the devices for the build procedure's input and output.

Type .ASS dev IN

where "dev" is the physical device containing the "MCBA Generation Disk"

and .ASS dev OUT

where "dev" is the physical device containing the "Accounts Payable Master".

If the build procedure is being run under TSX, go to step 4. Set up batch by typing:

```
.ASS LP LOG
.LOA LP,BA,RK (or appropriate device handlers)
```

4. If the Accounts Payable programs are to be put on a disk containing another MCBA system or other files, go to step #5.

If you wish to transfer the operating system programs onto the "Accounts Payable Master", type the following for the appropriate run-time system: (Edit the batch or command to contain the appropriate monitor.)

CTS-300 Version 5	Single User DBL	Multi User DBL	Single User DIBOL	Multi User DIBOL
.R BATCH *VS5SYS.UT	.R BATCH *DBLSYS.UT	.@TSXSYS.UT	.R BATCH *V3BSYS.UT	.@DIBSYS.UT

This will transfer the operating system files.

5. Next, all the programs must be compiled and linked. To do this, type the following for the appropriate run-time system:

CTS-300 Version 5	DBL (RT-11 BATCH)	DBL (TSX Command File)	DIBOL
.R BATCH *VS5BLD.AP	.R BATCH *DBLBDL.AP	.@TSXBLD.AP	.R BATCH *V3BBLD.AP

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: APRelease: 5

If the user has version 7 or later of TSX and is running TSX under RT-11V3B, the first section of TSXBLD dealing with compiling, linking and running GSORT may produce not enough memory errors due to the size of GSORT, RT11V3B, and the user's TSGEN parameters. If this occurs, the batch, DBLBLD (or portion thereof) may be used instead of TSXBLD as DBLBLD and TSXBLD produce exactly the same results.

The build procedure will create the run-time programs on the device specified for "OUT" in step #3 above. It takes 30-60 minutes.

6. Remove both disks. Mount the "Accounts Payable Master" disk where it will be when running production and boot it.

If any data files are to be assigned to another drive (as in step #7 below), mount the appropriate disk on that drive. If used, this disk must be preformatted and have a directory. It may already have files on it - these files will not be deleted by the procedures which follow.

7. As supplied, all Accounts Payable files are assigned to RKØ.

To change these assignments, edit the control file "DEVICE.DDF". For example, to assign the Vendor Master file to RK1, locate the following record in "DEVICE.DDF":

RKØ:VENMASØ and change it to RK1:VENMASØ.

(The "Ø" at the end of the file name (as in "VENMASØ") is the file status field used by the "FILES" subroutine. Do not change the zero. See the separate notes about the "FILES" subroutine for more details about this.)

In the above example, you would probably also assign the Index to the Vendor Master file ("VENIDX") to RK1 so that both files would be on the same device.

8. RUN INITAP

This initializes the Accounts Payable files. As requested, enter the number of records to allow for each file.

INITAP will replace any files already existing under the file names it uses to create the files. To allow an existing file to remain without being replaced, specify a record count of Ø (zero) for that file when requested in INITAP. This will cause INITAP to skip creating that file. INITAP will ask questions regarding the

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: APRelease: 5

A/P to G/L Interface per Video Display Sheet VTAP1, p. 2. If it is desired to interface the A/P system to the General Ledger System, then enter the maximum number of Expense Accounts ever expected to be used in the A/P system. The A/P to G/L Interface will then be created to handle this many different expense accounts (see FDAP8).

If a new Vendor Master file is not to be created, but it is desired to create the A/P to G/L Interface file, proceed as follows:

- A) Specify zero records for all files on the first screen.
- B) Answer "Y" to interface questions.
- C) Specify the number of records to allow for the G/L Interface file.

This program may take several minutes to run, depending on the number of records you have specified for the files.

NOTE:

Due to the I/O characteristics of the DIBOL-11, the following is the minimum number of records that should be specified for each file:

Vendor Master	64
Expense Accounts	14
New Payable Transaction	3
New G/L Distribution Trx	14
G/L Distribution	14
A/P Open Item	11
Partial Payments Transaction	11

9. Edit the file "CONAME.DDF". This file contains two records. The first record can be up to 50 characters long and contains the company name to print on the reports. Put the company name you want in this first record. Center the company name in the 50 characters by padding with spaces on the left. (It is not necessary to pad the right with spaces.)

The company name may be changed at any time per the above.

The second record of the "CONAME.DDF" file is one character long. This character is used to identify the type of printer on the system (line or character printer). "L" means it is a line printer.

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 Disk

System: AP

Release: 5

Any other character means it is a character printer. Failure to set this single character to "L" if you have a line printer will cause the line printer to run at less than maximum speed.

10. All Accounts Payable programs are now ready to run.

(Start by building the Vendor Master File.)

end

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting SystemsADDITIONAL NOTES ABOUT THE DIBOL-11 PACKAGESStandard Compilation

Unless otherwise indicated on the source listing, all programs throughout the standard accounting packages are compiled for CTS-300 as follows:

```
.RUN DICOMP
*pgmnam = pgmnam.ext/0
```

No additional source modules are necessary. The "ext" is the system specifier (AR, OE, AP, GL, AD, etc.).

For DBL, the standard compilation is:

```
.RUN DBL
*pgmnam = pgmnam.ext
```

Standard Linkage

Unless otherwise indicated on the source listing, all programs throughout the standard accounting packages are linked for CTS-300 as follows:

```
.RUN LINK
*pgmnam.TSD = pgmnam, UTIL, TDIBOL
```

(See note about "UTIL" below.)

For DBL, the standard linkage is:

```
.RUN LINK
*pgmnam = pgmnam, UTIL, DLIB
```

"UTIL" - the External Subroutine Library

"UTIL" (standing for "Utilities") is the external subroutine library which contains the object (compiled) versions of the following programs:

```
ALGND, ANYCN, ANYC2, DSPLY, ENVRN, FILES, INPUT, INPT2,
MESAG, MMEN2, MMENU, MOUNT, PGMND, PRINT, RDATE, RDYPR,
SERCH, SRCH2, STENO, TERID, TMENU, TMEN2, and WAIT.
```

Some MCBA systems may not use all of these programs.

These subroutines are all compiled and entered into the "UTIL" library using the RT-11 "LIBR" command.

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

Standard linkage of all programs includes the "UTIL" external subroutine library.

Refer to the source listing of each routine for detailed documentation.

"DEVICE" - the Physical Device Assignment Table

"DEVICE.DDF" is the disk resident table which is used by all programs in the standard accounting packages to determine the physical device location of any given file.

"DEVICE.DDF" is structured as follows:

There are 90 eleven character records in the file. The first 10 records are for the Accounts Receivable system, the next 10 for the Accounts Payable system, the next 10 for Payroll, the next 10 for General Ledger, the next 10 for Order Entry/Inventory Control, the next 10 are for Time and Billing, and the last 10 are for Assets and Depreciation.

There is a fixed correspondence between the records in "DEVICE" and the data files used throughout the standard accounting packages. For instance, the first record in "DEVICE" always corresponds to the Customer Master file. The eleventh record in "DEVICE" always corresponds to the Vendor Master file. The twenty-first record always corresponds to the Employee Master file, etc. (For an exact list of the fixed position within "DEVICE" of each file, see the listing of the "DEVICE" file.)

If one particular system (such as Accounts Receivable) does not use 10 different files, all 10 records allocated to that system within the "DEVICE" table are reserved for that system anyway.

Each of the 90 records within "DEVICE" has the following layout:

```
RECORD DEVICE
  PHYDEV  ,A4
  FILNAM  ,A6
  STATUS  ,D1
```

"PHYDEV" is the name of the physical device, such as "RK0:".

"FILNAM" is the name of the file, such as "CUSMAS". (The extension ".DDF" is always assumed.)

"STATUS" is a field reflecting the status of the file as controlled by the "FILES" subroutine. (See the source listing of the "FILES" subroutine for more information about the field.)

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

"DEVICE" is normally accessed by the "FILES" subroutine (see the notes below), but may be accessed directly at the programmer's option.

"FILES" - the File Protection Subroutine

Throughout the standard accounting packages, all files are OPENed, CLOSEd and protected via the external subroutine "FILES".

Exact use of the routine is detailed on the source listing (of the "FILES" subroutine). Also refer to the use of "XCALL FILES ..." throughout the source code of almost all programs for many examples.

Briefly, here's how "FILES" works:

"FILES" accesses the disk resident device assignment table called "DEVICE.DDF". (See the above notes about the "DEVICE" table.)

Depending on the option specified by the programmer, "FILES" attempts to either (1) open, (2) open and protect, (3) protect (with no open or close), (4) close and unprotect or (5) open without changing the status.

Depending on the status of the file being processed, "FILES" is either successful or unsuccessful at executing the option it attempts to perform, and returns a parameter indicating whether or not it has been successful.

If "FILES" is successful, the program simply proceeds. If "FILES" is not successful, certain messages are displayed on the CRT and the User has several options, depending on the specific application.

"FILES" can get confused if the User aborts a program (with CTRL/C) or if a program aborts because of a fatal error. Basically what happens in such a case is that the status of certain files is left "in use" or "protected" and never gets reset automatically as it would have had the program continued to its natural completion. The solution for this is as follows:

1. Exit TSD (if it is being used)
2. Run CLRFILE (in Single Job Monitor)
(This clears the status of all files in the "DEVICE" assignment table.)
3. Re-enter TSD (if it is being used)

"FILE FULL" message

If and when the User exceeds the file capacities established at the time the system is installed, a "FILE FULL" message will appear on the CRT.

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 Disk

System: All Basic Accounting Systems

To expand the size of the file exceeded without altering the data in the file, do the following:

1. Exit TSD (if it is being used)
2. Run XPAND
(When requested on the CRT, specify the file name and the new file size.)
3. Re-enter TSD and continue (if it is being used)

"XPAND" will automatically expand the file's Index, if there is one.

"DELETED RECORDS MUST BE PURGED" message

No special attention is required. Hit a CR and the deleted records will be physically removed from the file. If the records are to be deleted, re-select the file maintenance and continue.

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

The following list is a description of the Device Table (DEVICE.DDF) in use.

<u>Record #</u>	<u>File Name</u>	<u>System</u>	<u>File Description</u>
1	CUSMAS	AR	Customer Master File
2	CUSIDX	AR	Customer Master Index
3	AROPEN	AR	A/R Open Items
4	SALES	AR	Sales File
5	MONSLS	AR	Monthly Sales Summary
6	CASH	AR	Cash File
7	MONCSH	AR	Monthly Cash Summary
8	TMPIDX	AR	Temporary Index
9	SAINDX	AR	Sales Analysis Index (temporary)
10	PURIDX	AR	PUR AROOPEN Index (temporary)
11	VENMAS	AP	Vendor Master File
12	VENIDX	AP	Vendor Master Index
13	EXPACT	AP	Expense Account Description File
14	NEWAP	AP	New AP Items
15	NEWGLD	AP	New GL Distribution File
16	GLDIST	AP	GL Distribution File
17	APOPEN	AP	AP Open Item File
18	TVNIDX	AP	Temporary Vendor Index
19	PRTIAL	AP	Partial Payments Transaction Work File
20	APTOGL	AP	AP to GL Interface File
21	EMPMAS	PR	Employee Master File
22	EMPIDX	PR	Employee Index
23	PAYWRK	PR	Payroll Transaction Work File

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

<u>Record #</u>	<u>File Name</u>	<u>System</u>	<u>File Description</u>
24	WRKIDX	PR	Payroll Transaction Index
25	MANTRX	PR	Manual Transaction File
26	TEMPIX	PR	Temporary Index
27	PRHIST	PR	Payroll History File
28	OSPIDX	PR	Overtime/Sick Pay Index (temporary)
29	PRTOGL	PR	PR to G/L Interface File
30			
31	GLAMAS	GL	G/L Account Description Master File
32	GLAIDX	GL	G/L Account Description Index
33	YTDGLT	GL	Year-to-Date General Ledger Trx
34	GLWORK	GL	G/L Transaction Work File
35	SRCIDX	GL	Source Index (temporary)
36	YTDIDX	GL	Year-to-Date Trx Index (temporary)
37	TGLIDX	GL	Temporary Year-to-Date G/L Index
38	GLINTR	GL	G/L Interface File
39	ARTOGL	AR	A/R to G/L Interface File
40			
41	INVMAS	OE	Inventory Master File
42	INVIDX	OE	Inventory Index
43	RECTRX	OE	Receivings Transaction Work File
44	ORDHDR	OE	Order Header File
45	ORDLIN	OE	Order Line Items File
46	CRMHDR	OE	Credit Memo Header File
47	CRMLIN	OE	Credit Memo Line Items File
48	LINIDX	OE	Line Items Index

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

<u>Record #</u>	<u>File Name</u>	<u>System</u>	<u>File Description</u>
49	SAPIDX	OE	Sales Analysis by Product Index (temporary)
50	COMDUE	OE	Commissions Due File
51	BAKORD	OE	Back Order File
52	BOINDX	OE	Back Order Index File
53			
54			
55			
56			
57			
58			
59			
60	EPLMAS	TAB	Employee Master File
61	CBCMAS	TAB	Category/Billing Code Master File
62	CLTMAS	TAB	Client Master File
63	CLTIDX	TAB	Client Master Index File
64	TIMTRX	TAB	Time Transaction Work File
65	TIMIDX	TAB	Time Transaction Index File
66	WKINPC	TAB	Work-in-Process File
67	ARTRX	TAB	A/R Transaction Work File
68			
69			
70			
71			
72			

I N S T A L L A T I O N N O T E S

Version: DIBOL - 11 DiskSystem: All Basic Accounting Systems

<u>Record #</u>	<u>File Name</u>	<u>System</u>	<u>File Description</u>
73			
74			
75			
76			
77			
78			
79			
80			
81	ASTMAS	AD	Asset Master File
82	ASTIDX	AD	Asset Master Index File
83	GLGCOD	AD	General Ledger Code File
84	ASTORG	AD	Originals File
85	AQUIRE	AD	Acquisitions File
86	RETIRE	AD	Retirements File
87	DEPREC	AD	Depreciations File
88	ASTHST	AD	Asset Change History File
89	ITAXCR	AD	Investment Tax Credit File
90	TADIDX	AD	Temporary Index to Asset Master File

INSTALLATION NOTES

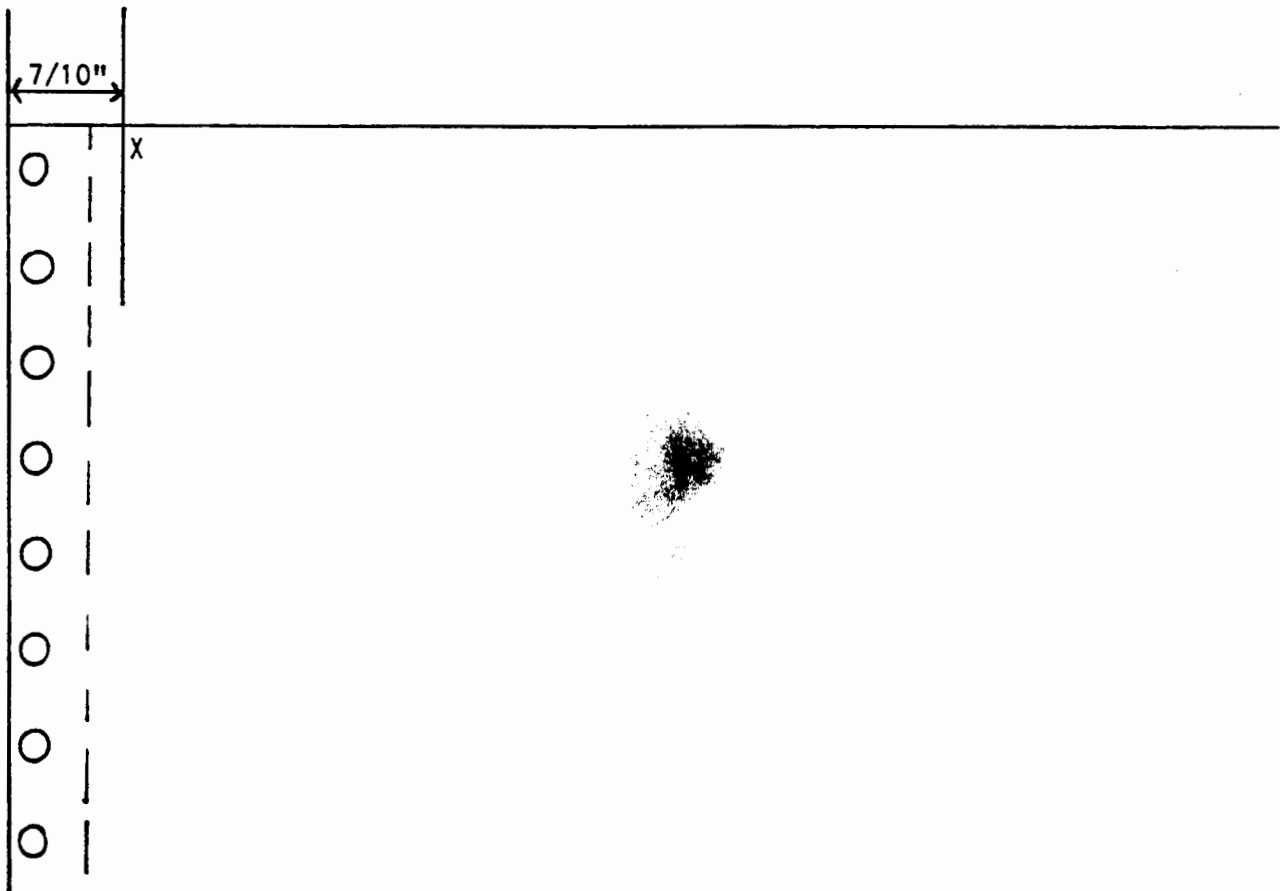
Version: ALL PACKAGES

System: ALL SYSTEMS

Release: ALL RELEASES

NOTE ON PRINTER ALIGNMENT

When using the MCBA packages the left-hand paper guide should never have to be adjusted more than half a space, even on special forms such as checks, statements and invoices, if the left-hand guide is set so that the first physical print position is 7/10" from the left-hand side of the paper.



However, when printing W-2 forms, adjust the left-hand paper guide such that the first physical print position is exactly 1 inch away from the left-hand side of the paper. And, align the Top-of-Form such that the top edge of the paper of the continuous W-2 forms is about a line and a half above the Top-of-Form mark on the printer.

APPLICATION GENERAL DATA ENTRY RULES

1. Always end a field or an answer with a "CR" (Carriage Return).
2. In almost all programs, the DELETE key will erase the last Character displayed on the screen.
3. To erase a complete field (before you have ended it), type CTRL/U (both the CTRL key and the U key together). This will erase the field and reposition the cursor at the beginning of the field.
4. To abort a record at any point, type the CTRL/W key. This will cause a message to appear at the bottom of the screen indicating that the record has not been processed, and then the screen will be cleared so that you can start over.
5. Optional fields (fields not required) may be skipped by typing "CR". This sets numeric fields equal to zero, and alphanumeric fields to all blanks.
6. Default fields (fields where the value is the same for all records being entered) may be defaulted to the last value entered in that field by typing "CR". The computer will always display the default value. A new value may be entered into a default field at any time -- just treat it as a regular field. Default fields are always indicated in the Operator Instructions for the specific program you are running.

In many cases, a default "CR" may also be used to answer "N" or "Y" as appropriate. And "CR" may be typed as the "STARTING #" when the starting and ending #'s are requested for certain print programs. This will cause "ALL" to be printed.

7. Enter all DATES in the format MMDDYY (six digits, no slashes). The computer automatically re-displays the date entered in the display format: MM/DD/YY (that is, with the slashes). The computer also checks to make sure that the month entered is valid (1-12), as well as the day (1-31) and the year (0-99).
8. All decimal points are automatically supplied by the computer. Never type in a decimal point, comma, or a dollar sign when entering numeric or dollar data. But always enter all digits to the right of the decimal point, even if these digits are zero. For example, to enter ten dollars, type "1000". The computer will automatically re-display "10.00" -- the computer also knows it is a dollar field.

9. In most cases, "END" can be typed in the first field on the screen and processing will proceed to the next action or end, whichever is programmed to occur. The backspace key can be used for "END" wherever "END" may be typed.
10. There are several types of errors which can be made while entering data on the screen. For instance, you can enter alphabetic characters into a field which is supposed to be only numeric. Or you can enter too many characters into a field which must be positive. In all cases, the computer will catch the error immediately and display a message at the bottom of the screen instructing you how to recover easily. If your error is not immediately apparent to you, consult your Operator Instructions and Data Entry Specifications for the specific program you are running.
11. Occasionally the "TAB" key or "CTRL/U" serve a special purpose, not covered above. When this is the case, this will be clearly indicated on the specific Operator Instructions for the program(s) concerned.
12. HOW TO READ "DATA ENTRY SPECIFICATIONS"

"VDT" Line #: this is the # assigned to the field on the screen.

"Field Description": this is the name of the field (the label displayed on the screen is often more abbreviated).

"Required": when this column has an "X" in it, this means you must enter some value in this field. When this column has "d" in it, this means you may default to the last value entered in this field (in a previous record) by simply typing "CR". If this column is blank, this means you may skip the field by typing the "CR".

"Type": "D" means only decimal characters can be entered here. "D-" means decimal characters and a minus sign (optional) may be entered. (The minus sign may be entered immediately before or after the numbers.) "D" applies to number fields, dollar fields and date fields. "A" means that any characters (numbers, letters or special characters) may be entered into the field. "A" applies to names, address, etc.

"Min. Length" (minimum length): the minimum number of characters that may be entered into the field.

"Max. Length" (maximum length): the maximum number of characters that may be entered into the field.

"Decimal Places": the number of digits to the right of the assumed decimal point that must be entered. (Don't actually enter the decimal point -- the computer knows where to "assume" it is.

end

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OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION MAIN ACCOUNTS PAYABLE MENU

Mount A/P Master Disk on Drive Ø

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request. It displays the main menu for the Accounts Payable system. (For those programs not on this menu, see the separate Operator Instructions.)

1. Type: RUN APMENU
2. Select the application desired.
3. To end, type "END" for selection.

end

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OPERATOR INSTRUCTIONS

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SYSTEM AP

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APPLICATION VENDOR MASTER FILE MAINTENANCE

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #1 from the A/P Menu (or type: RUN VENMNT).
2. Select application per menu on screen.
3. For each application enter data requested per screen.
(See the Data Entry Specifications sheet for details.)
4. To end an application type "END" in the Vendor # slot.
5. To end entire maintenance type "END" for menu selection.

end

DATE 01-APR-78**Data Entry Specifications**

EXHIBIT NO. _____

PROJECT DIBOL-11 Packages SYSTEM AP PAGE 1 of 1WHERE USED Vendor Master File Maintenance

VDT. ITEM NO.	FIELD DESCRIPTION	REQUIRED	TYPE	MIN. LENGTH	MAX. LENGTH	DECIMAL PLACES	REMARKS
1.	Vendor #	X	D	1	4		
2.	Vendor Name	X	A		25		
3.	Address line 1	X	A		25		
4.	Address line 2		A		25		
5.	City		A		15		
6.	State		A		2		Use Post Office codes
7.	Zip Code		D	5	5		
8.	Amount Billed Year-to-Date		D		10	2	
9.	Total # of Vouchers		D		4		

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OPERATOR INSTRUCTIONS

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SYSTEM AP

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APPLICATION ALPHABETICAL VENDOR LIST

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #2 from the A/P Menu (or type: RUN VLIST).
2. The report is printed out automatically.

end

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION EXPENSE ACCOUNTS FILE MAINTENANCE

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #3 from the A/P Menu (or type: RUN ACTMNT).
2. Select application per menu on screen.
3. For each application enter data requested per screen.

NOTE:

The term "Expense Account" is used loosely throughout this system. Any reference to "Expense Accounts" actually includes not only active expenses, but any other account to which the user may wish to distribute Accounts Payable, such as Costs of Assets.

4. To end an application, type "END" in the Expense Account number slot.
5. To end entire maintenance, type "END" for menu selection.

end

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Data Entry Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

WHERE USED Expense Account
File Maintenance

VDT ITEM NO.	FIELD DESCRIPTION	REQUIRED	TYPE	MIN. LENGTH	MAX. LENGTH	DECIMAL PLACES	REMARKS
1	General Ledger Account #	X	D	3	7		*XXXX-XXX
2	Account Description		A		30		

* Requires a CR after first 4 digits; if no subaccount, skip last 3 with a CR.

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OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

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SYSTEM AP

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APPLICATION NEW PAYABLES ENTRY AND EDITING

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #4 from the A/P Menu (or type: RUN NEWAP).
2. Select application per menu on screen.
3. For each application enter the data requested per screen.

(See the Data Entry Specification sheet for details.)

NOTES:

The voucher # is automatically controlled.

The Non-Discount Amount is the total of all amounts included in the Invoice Amount that are non-discountable (such as freight).

The Discount Percent should be entered to 1 decimal place (but don't enter the decimal point itself).

If the actual Discount Amount is desired rather than the percent, type a TAB key for the percent and enter the amount.

The Due Date is user determined and must be entered.

Only enter a Check # when the entry has been Prepaid, in which case the Due Date must be the check date.

Expense Account Distribution is to a minimum of 1 account and a maximum of 9. The Expense Account # must be in the "Expense Account Description File" to proceed.

Both positive and negative Amounts can be entered for the same Voucher, but Total Amount Distributed MUST equal the Invoice Amount, else the Payable cannot be terminated. A running Total of amount distributed is displayed.

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OPERATOR INSTRUCTIONS

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SYSTEM AP: 4

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APPLICATION NEW PAYABLES ENTRY AND EDITING

4. To end a single Payable, type "END" in the ACCT# position.
5. To end applications #1-4, type "END" in the Vendor # position.
6. To end the entire program, type "END" for menu selection.

NOTE: Once the Edit List is correct, you must select #5 from the menu ("POST TRX") to cause these Trx to be posted to the A/P Open Item File and the G/L Distribution File. This will also automatically result in the "Accounts Payable Voucher Register" being printed.

end

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Data Entry Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

WHERE USED New Payables Entry and Editing

VDT ITEM NO.	FIELD DESCRIPTION	REQUIRED	TYPE	MIN. LENGTH	MAX. LENGTH	DECIMAL PLACES	REMARKS
1	Vendor #	X	D	1	4		
	Vendor Name						Automatic Display
2	Invoice #		A		8		
3	Invoice Date	X	D	5	6		
4	Invoice Amount	X	D	1	8	2	
5	Non-Discount Amount		D		7	2	
6	Discount Percent		D		3	1	XX.X
6	Discount Amount		D		6	2	
7	Due Date	X	D	5	6		*
8	Check #		D		6		For Prepays only
9-17	Distribution Account #s	X	D	3	7		XXXX-XXX
9-17	Distribution Amounts	X	D	1	8	2	

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OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

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APPLICATION A/P AGED TRIAL BALANCE

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #5 from the A/P Menu (or type: RUN APTBAL).
2. Enter the aging date, whether to show detail, and then the Starting and Ending account #'s to be printed. To print all accounts, enter "ALL" in the Starting # position.
3. The report is printed automatically.
4. The program will end automatically.

end

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

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APPLICATION CASH REQUIREMENTS REPORT

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This report may be run on request.

1. Select #6 from the A/P Menu (or type: RUN CSHREQ).
2. Enter the Due Date Cut-off. Any item due after this date will not be reported.
3. Enter the Intended Date of Payment. Any item with a discount available will lose the discount if due before this date.
4. Printing is automatic.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

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APPLICATION CHANGING OPEN ITEM DUE DATE OR DISCOUNT AMOUNT

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

Run this program on request.

1. Select #7 from the A/P Menu (or type: RUN DUEDETE).
2. Enter Vendor # and Voucher # of Invoice to be changed.
The contents of the Invoice are automatically displayed.
3. Enter the new Due Date and the new Discount Amount.
4. Enter a CR for Due Date to keep the same Due Date.
5. Enter a CR for Discount Amount to keep the same Discount Amount.
6. To end the program, type "END" in the Vendor # position.

end

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OPERATOR INSTRUCTIONS

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Rev 07-FEB-80

PROJECT DIBOL Packages

SYSTEM AP

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APPLICATION PAYMENT PREPARATION

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #8 from the A/P Menu (or type: RUN DEFER).
2. Make selection on menu. Deferral method pays all vouchers before cut-off date unless specifically deferred. Selection mode pays only those vouchers specified.
3. In order to rerun this batch without losing the previous preparation, answer "N" to "CLEAR ALL ..." question. When initiating preparation, the answer should be "Y".
4. Enter the cut-off date if deferral was chosen.
5. Make selection on the deferral/selection sub-menu.
6. Enter the vendor # to be deferred or selected.
7. Enter the voucher # (or "ALL") to be deferred or selected.
8. To end, type "END" for menu selection.
9. To cause the Pre-Check Writing Edit List to be printed, choose # 3 on the deferral/selection sub-menu.

NOTE:

One or more partial payments may be applied to a voucher but should not be equal to or exceed the amount of the original voucher; otherwise overpayment may occur. When the remaining balance of a voucher is to be paid in full and removed from the APOPEN file, the voucher should be paid via selection in "Payment Preparation". All paid partial payments will be taken into account, and the check will be issued for the remaining balance of the voucher during "A/P Check Writing".

end

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OPERATOR INSTRUCTIONS

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SYSTEM AP

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APPLICATION PARTIAL PAYMENTS ENTRY/EDITING

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #9 from the A/P Menu (or type: RUN PARTPY).
2. Select application per menu on screen.

See the Operator Instructions "Deleting Partial Payments from A/P Open Item" for application #6.

3. For each application, enter the vendor # and voucher #. The voucher is displayed on the screen for Verification. Enter the partial payment amount and discount taken (if any).
4. To end applications #1-4, type "END" in the Vendor # position.
5. To end the entire program, type "END" for menu selection.

NOTE: Once the Edit List is correct, you must select #5 from the menu ("POST TRX") to cause these Trx to be posted to the A/P Open Item File. This will also automatically result in the "Partial Payments Register" being printed.

NOTE:

One or more partial payments may be applied to a voucher but should not be equal to or exceed the amount of the original voucher; otherwise overpayment may occur. When the remaining balance of a voucher is to be paid in full and removed from the AOPEN file, the voucher should be paid via selection in "Payment Preparation". All paid partial payments will be taken into account, and the check will be issued for the remaining balance of the voucher during "A/P Check Writing".

end

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Data Entry Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

WHERE USED Partial Payments Entry/Editing

VDT ITEM NO.	FIELD DESCRIPTION	REQUIRED	TYPE	MIN. LENGTH	MAX. LENGTH	DECIMAL PLACES	REMARKS
1	Partial Payment Amount	X	D	1	8	2	
2	Partial Payment Discount		D		6	2	

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

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APPLICATION DELETING PARTIAL PAYMENTS FROM A/P OPEN ITEM

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Type: RUN DELPRT (or select #6 from the Partial Payments menu).
2. Enter Vendor # and Voucher #.
3. To end program, type "END" in Vendor # field.

end

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 2

APPLICATION CHECK WRITING

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

1. Select #10 from the A/P Menu (or type: RUN ALAPCK (CR)).
2. Mount check forms on printer.

Leave left-hand paper guide fixed. Move right-hand guide in.
Position top of second stub on print line.

3. One check form will be printed with X's for alignment purposes.

The question "PRINT ANOTHER ?" will then appear on the screen. If alignment is OK, answer "N" and proceed to the next step. If not OK, make adjustments. Answer "Y" and another X'ed form will be printed. Repeat the cycle if necessary.

4. Enter the check date. On a restart, the check date MUST be the same as on the first run.

Enter the starting check number.

Enter the starting vendor number. This is the first vendor on file that is to be paid as indicated on the Pre-Check-Writing Report. On a restart, enter the appropriate vendor number.

Checks will start to print automatically.

5. Check Writing. If the checks are not turning out satisfactorily due to printer malfunction or for any other reason, type "CTRL/C" and restart the program at step 2.

The first checks printed which are okay do not need to be rewritten. Restart with the appropriate check number and vendor number.

At the end of the printing, the message "ARE ALL CHECKS SATISFACTORY ?" will be displayed. If not, answer "N" and restart as above.

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 2 of 2

APPLICATION CHECK WRITING

Note that the restart feature is limited to the selection of a starting point in the vendor number sequence. Checks will be rewritten from the starting vendor selected to the end.

6. Remove the checks from the printer and mount stock paper.
7. A Check Register is printed automatically.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION PREPAID CHECK REGISTER

Mount A/P Master Disk on Drive 0

Mount _____ Disk on Drive _____

Mount Stock Paper on Printer

PROCEDURE:

Run on request. Use in an end-of-accounting-period situation where prepaid items are on file and no machine checks need to be written.

1. Type: RUN APCKRG
2. Check Register is printed automatically.

Note: Running this program causes prepaid check items to be removed from the A/P Open Item file.

end

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OPERATOR INSTRUCTIONS

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PROJECT DIBOL - 11 Packages

SYSTEM AP

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APPLICATION VENDOR ANALYSIS REPORT

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

Run on request.

1. Select #11 from the A/P Menu (or type: RUN VENANL).
2. The Report is printed automatically.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP

PAGE 1 of 1

APPLICATION A/P - G/L DISTRIBUTION CROSS REFERENCE REPORT

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

This report may be printed on request.

1. Select #12 from the A/P Menu (or type: RUN APGLCR).
2. Enter the Report Ending Date. Invoices dated later than this date will not be reported. Specify whether to show detail.
3. The Report is printed automatically.
4. The message "PURGE FILE THRU REPORT DATE ?" is displayed. Answer "Y" or "N" as appropriate.

Note on A/P to G/L Interface:

If the A/P system interfaces to General Ledger, then a "Y" answer in Step 4 above will cause the Expense Account amounts to be posted to the A/P to G/L Interface file. Make sure to run the AUTOGL program in the General Ledger System to post these amounts to the G/L Work file before purging the G/L Distribution file at a later date (by selecting "Y" in Step 4 above). Otherwise, some of the Interface transactions will be lost.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION PURGE PAYABLES

- Mount A/P Master Disk on Drive Ø
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

Prior to running this program, any payables to be purged must balance. That is, credit memos of equal value must have been previously posted.

1. Select #13 from the menu (or type: RUN PURGAP).
2. Enter the vendor number.
3. Enter up to 10 different voucher numbers for the vendor. When the total is zero, type "END" for the voucher number.
4. When all payables have been purged, type "END" for the vendor number.
5. A report of the items just purged is automatically produced.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION DISPLAY A/P OPEN ITEM TOTAL ON SCREEN

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

PROCEDURE:

This program may be run on request.

It displays the total value of the A/P Open Item File on the screen.

1. Type: RUN APOCTL
2. Total displays after a short processing period.

end

DATE 01-APR-78

OPERATOR INSTRUCTIONS

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages

SYSTEM AP

PAGE 1 of 1

APPLICATION CLEARING YTD FIELDS ON VENDOR MASTER

- Mount A/P Master Disk on Drive 0
- Mount _____ Disk on Drive _____
- Mount Stock Paper on Printer

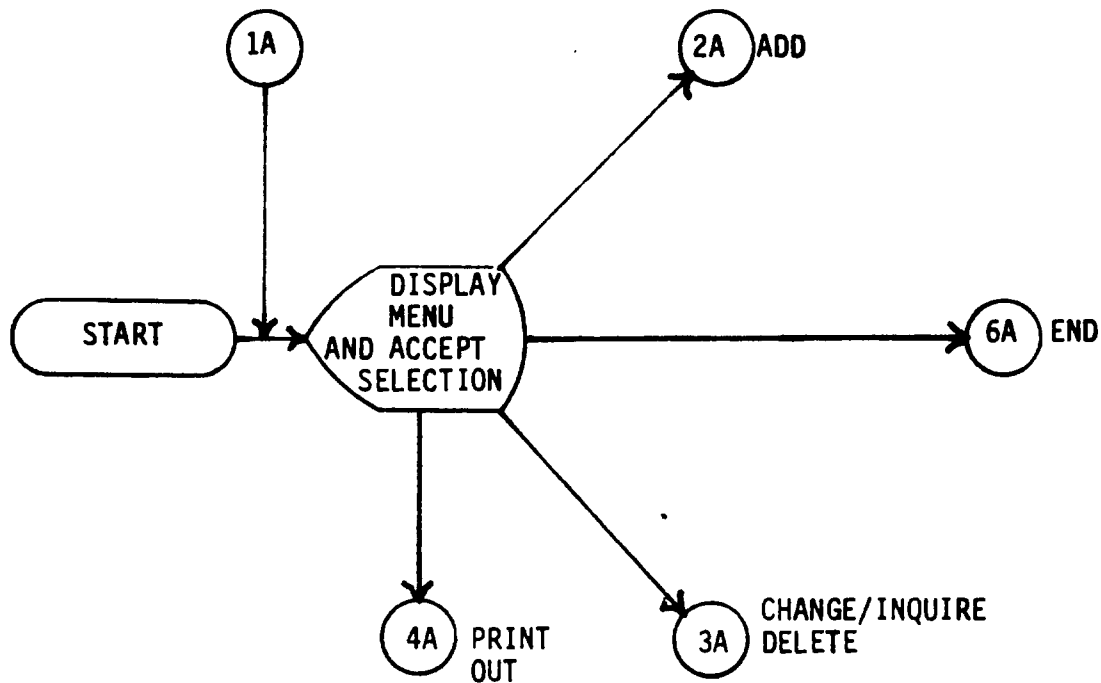
PROCEDURE:

This program should be run after running the final Vendor Analysis for the year (which should be run after the last New Payables Entry for the year) and before the first New Payables Entry of the new year.

1. Type: RUN APYREN

(Let processing run until the "END OF PROGRAM" message appears.)

end



First, the menu is displayed and one of the following selections is allowed:

1. Add
2. Change/Inquire
3. Delete
4. Print-out

Or "END" may be typed to end the entire program.

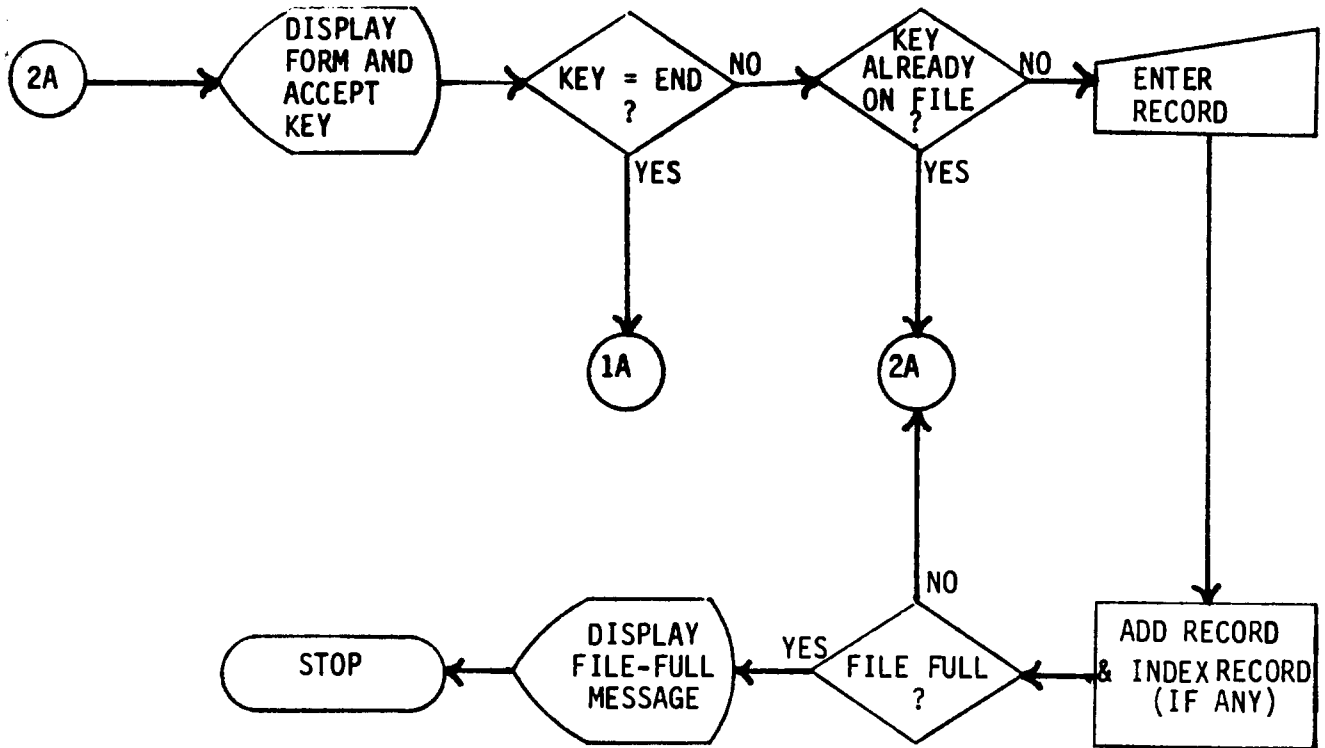
If Add is selected, see page 2.

If Change/Inquire or Delete is selected, see page 3.

If Print-out is selected, see page 4.

See page 5 for processing when "END" is entered.

ADDITIONS:



The full VDT format is displayed, and the key is accepted.

If "END" was typed, the program returns to the menu (page 1).

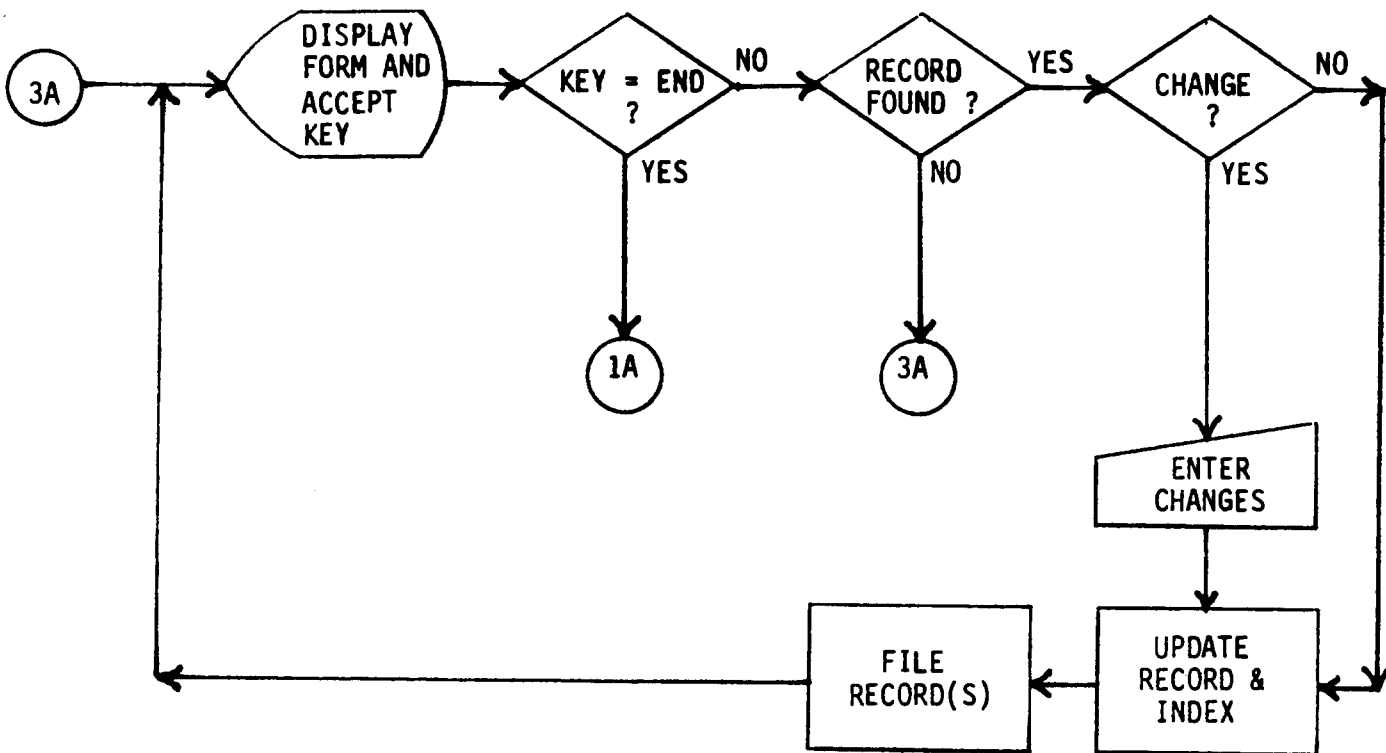
Otherwise, the program checks to make sure the key is not already on the file. (If it is, an error message is displayed and a new key must be entered.)

The full record is then entered, with editing thru the "ANY CHANGE?" and "WHAT #?" modes.

The record is then added to the file and the index (if any). If the file is not full (checking the maximum record count in the control record of the file), the program returns to display the VDT format for the next record (or "END"). If the file is full, a message is displayed and the program stops.

When "END" is entered, the menu is redisplayed.

CHANGES/INQUIRIES AND DELETIONS:



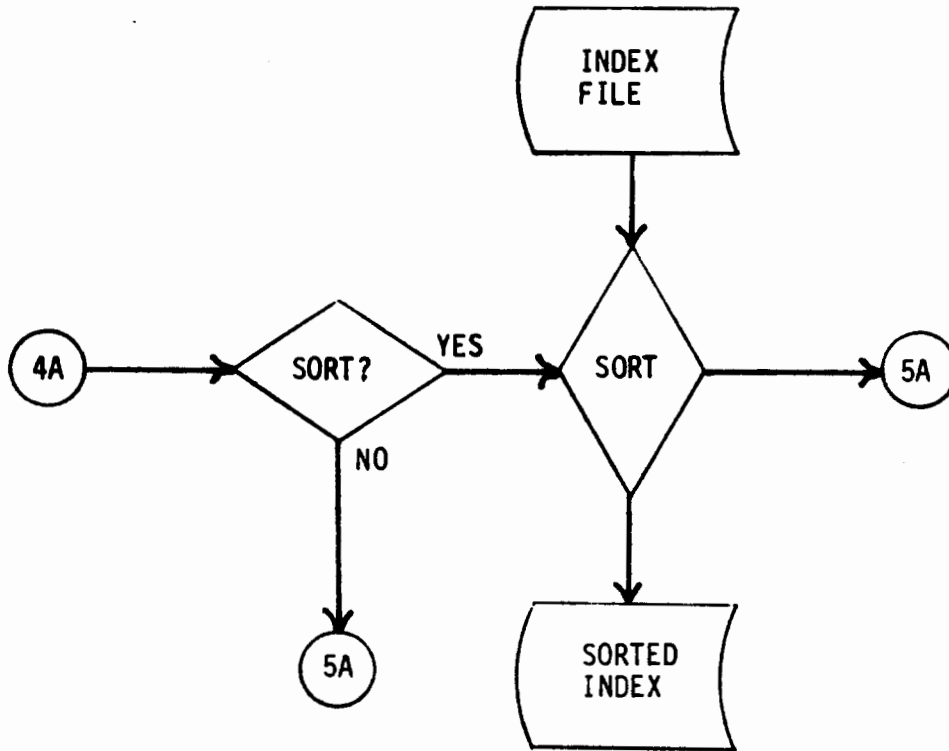
The full VDT format is displayed, and the key is entered. (If "END" is typed, the program returns to the menu (page 1).)

The record is found and displayed on the screen. (If it is not found, an error message is displayed and a new key must be entered.)

If in Change/Inquire mode, any changes are entered thru "ANY CHANGE?" and "WHAT #?". (In Inquire mode no changes are entered.) The record is then updated on the file, and the program returns to redisplay the full VDT format and accept another key (or "END").

In Delete mode, after displaying the record, "IS THIS THE RIGHT RECORD?" is asked, (If not, a new key must be entered.) After verifying the right record, the program marks the record for deletion, updates the delete counter in the control record of the file, and returns to the full VDT format for another key (or "END"). (The index, if any, is also marked for deletion at the time the main record is marked.)

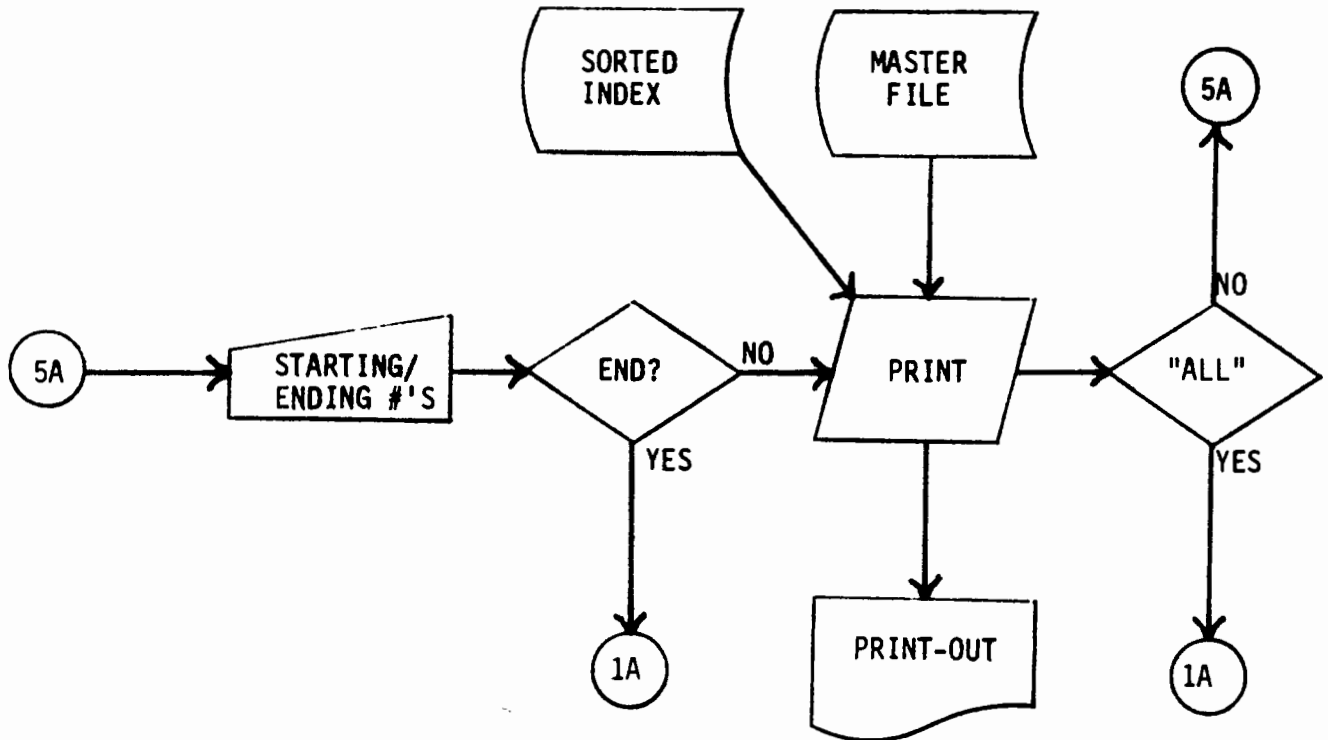
SORT:



When Print-out is selected, the question "SORT BEFORE PRINTING ?" is then asked. (Sort should be selected for a full ordered Print-out.)

If sort is selected, the index (or the Master if there is no index) is sorted, and the control record of the file is updated to show the number of records in the file that are sorted (now the full file).

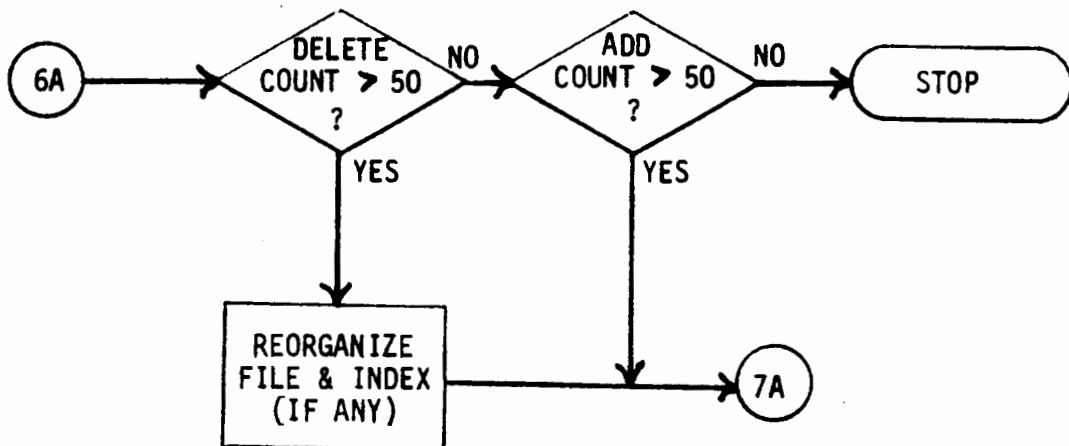
System Logic Flow



Whether the file is sorted or not, the print program starts. The starting and ending numbers for printing (or "ALL") may be entered.

The report is then printed from the starting to the ending numbers or; if "ALL" was selected, the entire file is printed.

If "ALL" was selected, the program returns to the menu (page 1). Otherwise, another starting and ending number sequence may be entered. "END" may also be entered to stop printing and return to the main menu.

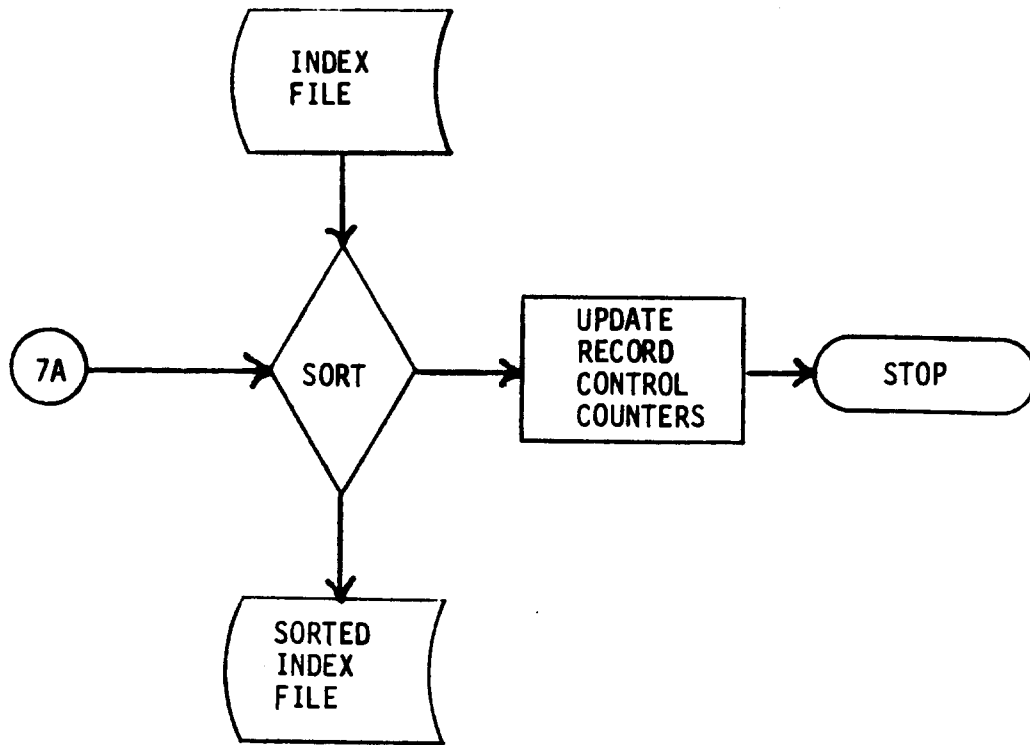


When "END" is typed, the program first checks the delete counter in the control record (first record) of the file. If more than 50 deletions have been made, the file is automatically re-organized, physically removing the records marked for deletion from both the main file and index (if any).

If the delete counter is not greater than 50, the program checks the add counter. If more than 50 records have been added, processing continues.

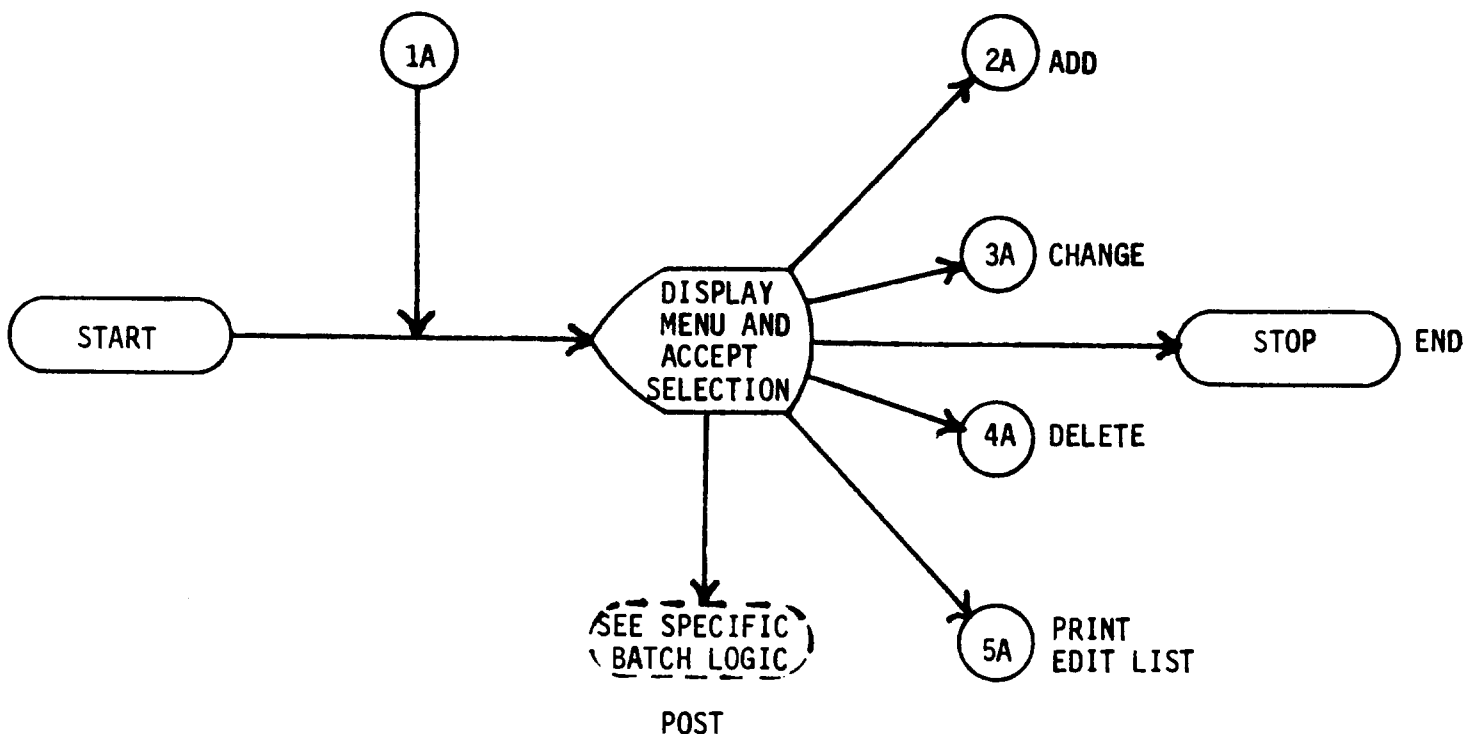
If neither the delete nor add counter exceeds 50, the program ends.

System Logic Flow



The index file is sorted. If there is no index file, then the master file itself is sorted.

The record control counters in the control record for the file are updated, and processing stops.



First, the menu is displayed and one of the following selections is allowed:

1. Add
2. Change
3. Delete
4. Print Edit List
5. Post Transaction

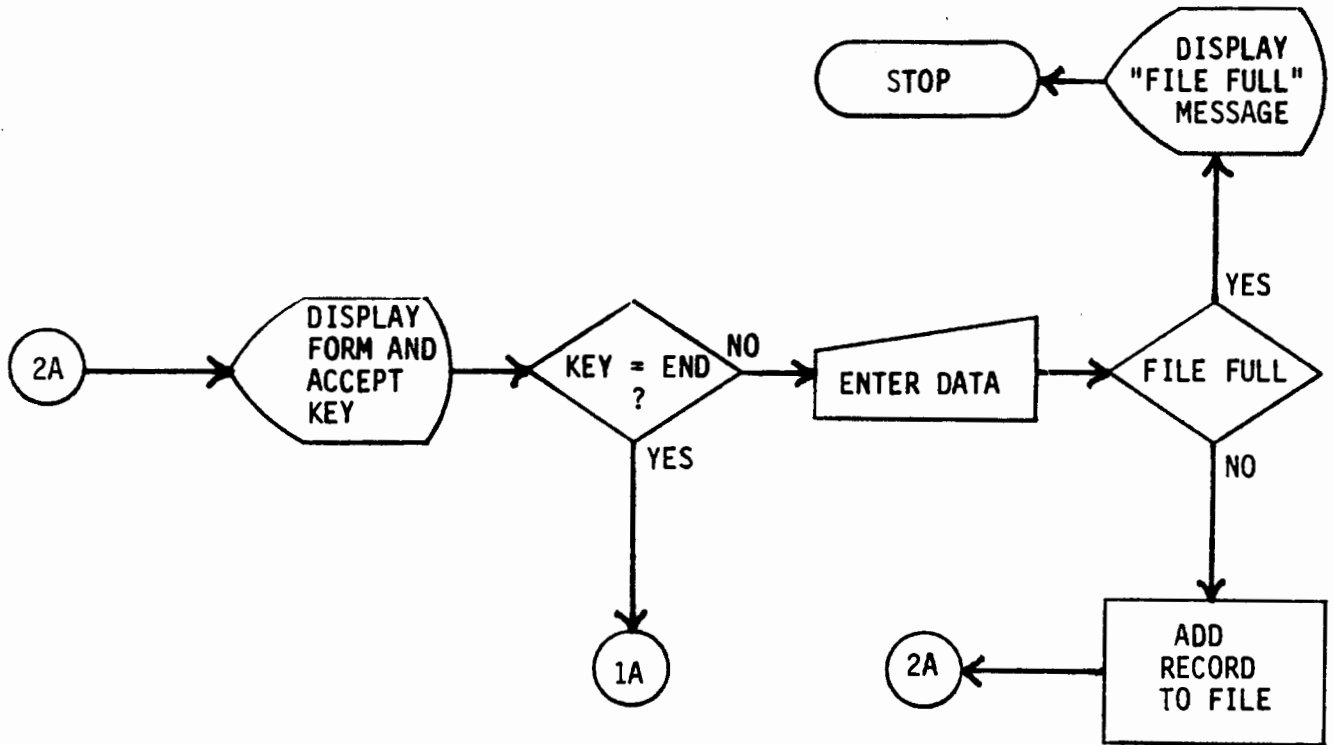
"END" may be typed to end the entire program.

See indicated pages for processing appropriate to Add, Change/Inquire, Delete, and Print Edit List.

When Post Transactions is selected, the Transactions are posted to the main file(s) according to the specific logic flow for each posting program(s). (See separate System Logic Flow for each individual posting flow.)

System Logic Flow

ADDITIONS:



The full VDT format is displayed and the record is accepted. (If "END" is typed in the first field, the program returns to the menu (page 1).)

The record is added to the file, and the record count in the control record is updated.

Unless the file is full, the program re-displays the full VDT format and accepts another record (or "END").

If the file is full, a message is displayed and processing stops.

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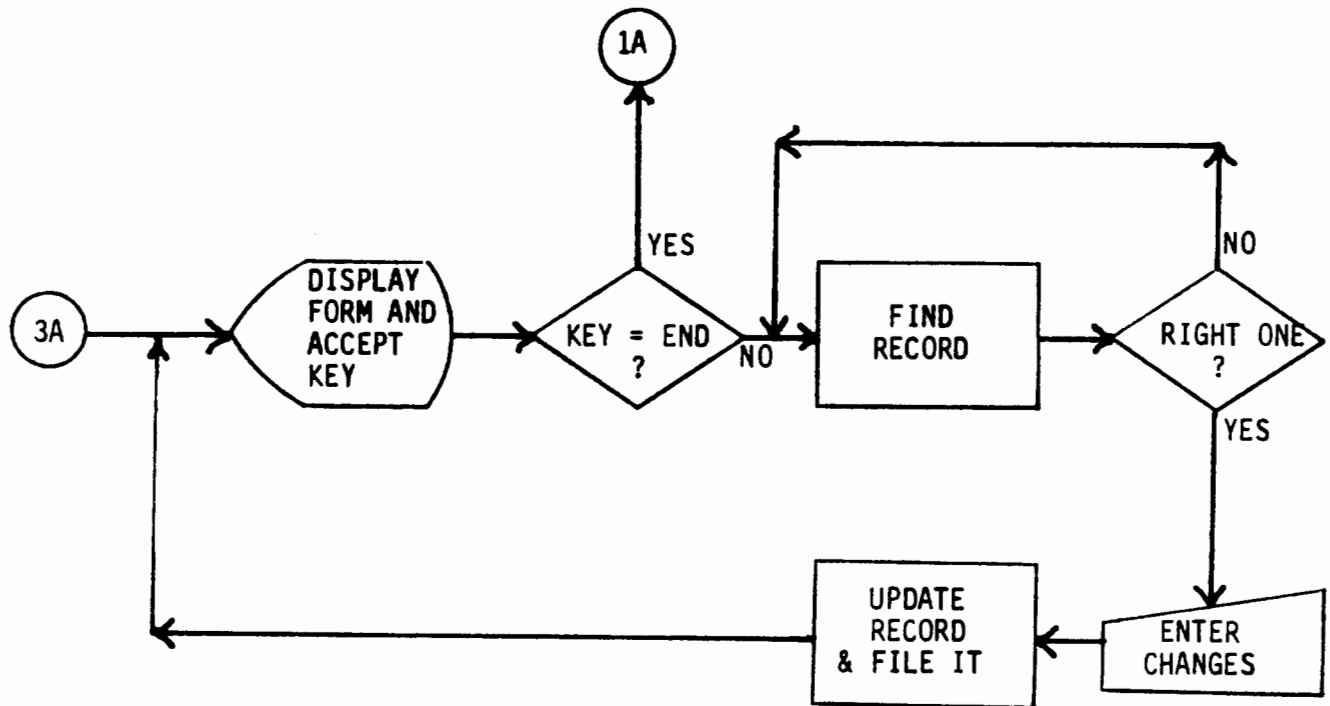
DATE _____

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 PackagesSYSTEM All SystemsPAGE 3 of 5MODULENAME Standard Transaction File Entry, Editing and Posting Module

CHANGES:



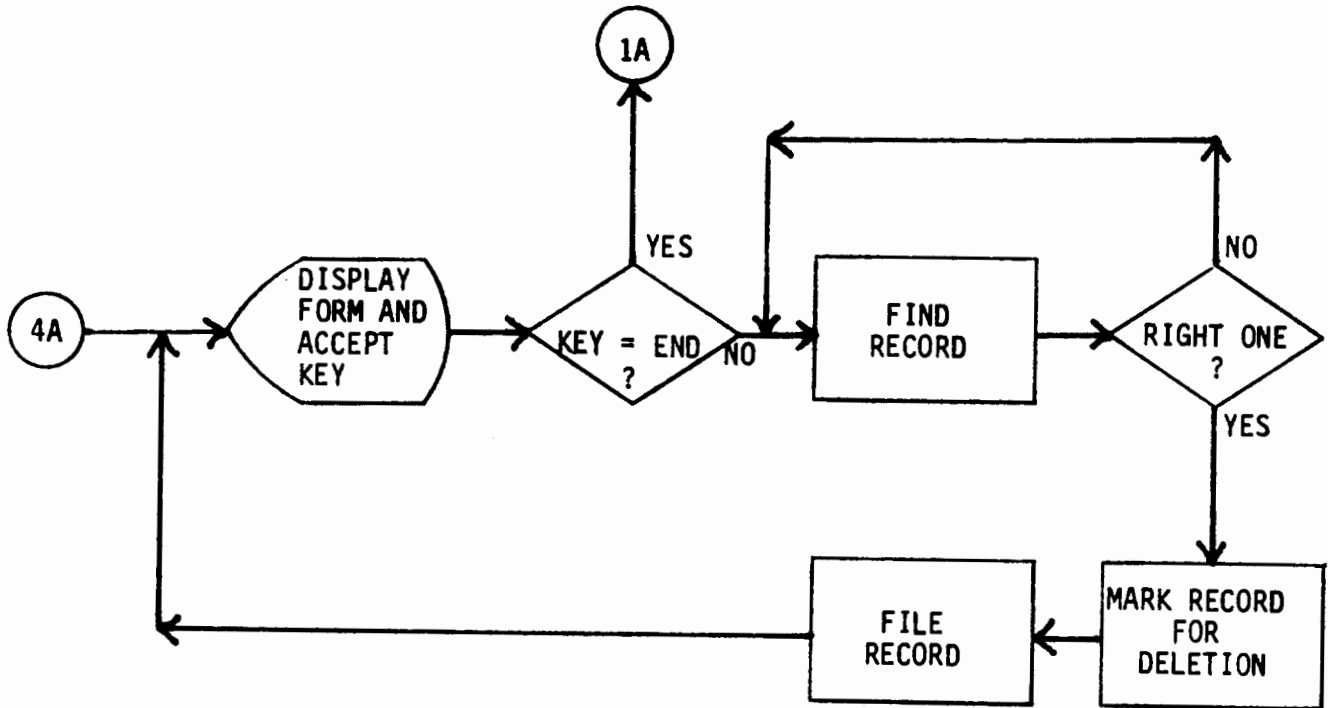
When Change or Delete is selected, the full VDT format is displayed.

Then, the key of the record being sought is entered. (If "END" is typed, the program returns to the menu (page 1).)

The program finds the record, displays its contents on the screen, and asks "IS THIS THE RIGHT RECORD?". (If not, the program looks for the next sequential record with the same key and displays it. If the record is not found, an error message is displayed, and a new key must be entered.)

Changes are entered thru "ANY CHANGE?" and "WHAT #?". The record is then updated on the file, and a new key may be entered, or "END" may be typed to return to the menu (page 1).

System Logic Flow



The record is found using the same method as on a change. After verifying the right record, the program marks the record for deletion, and a new key may be entered, or "END" may be typed to return to the menu (page 1). (Records marked for deletion are left in the Transaction file but are not further processed.)

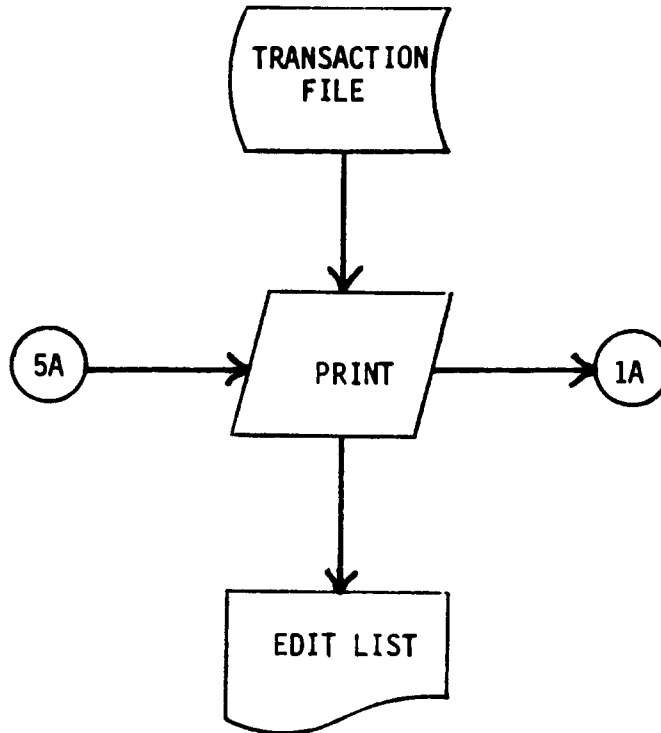
DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

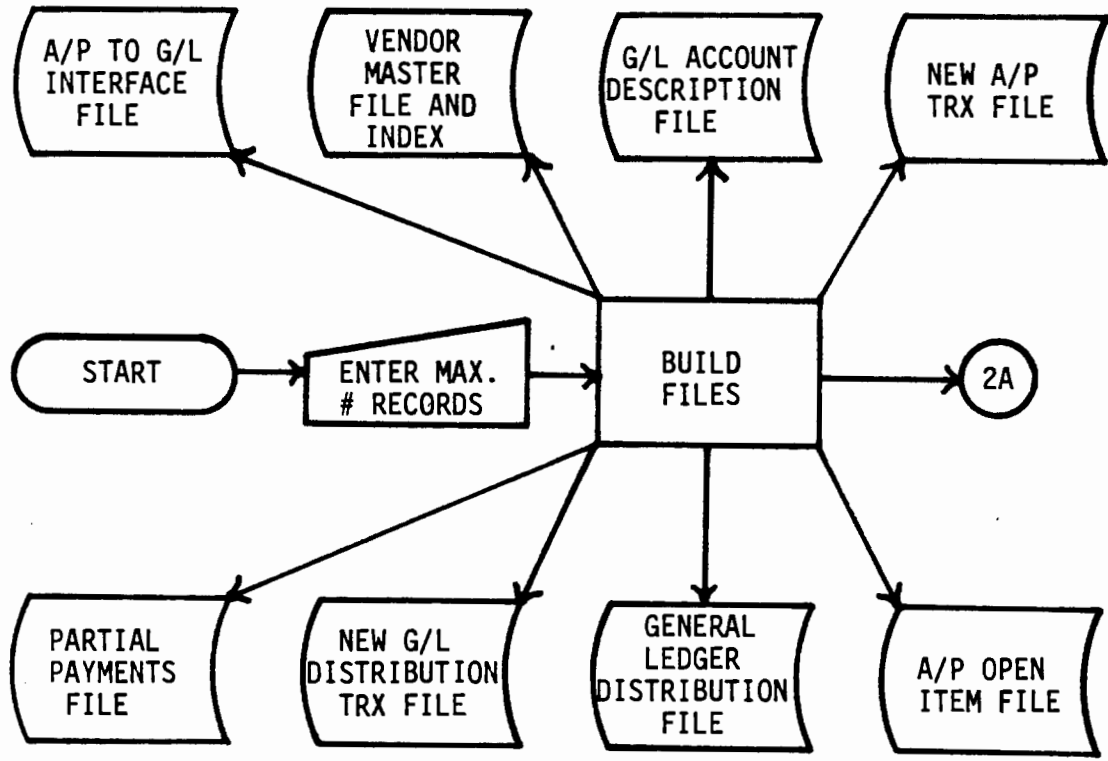
PROJECT DIBOL - 11 Packages SYSTEM All Systems PAGE 5 of 5

MODULE NAME Standard Transaction File Entry, Editing and Posting Module



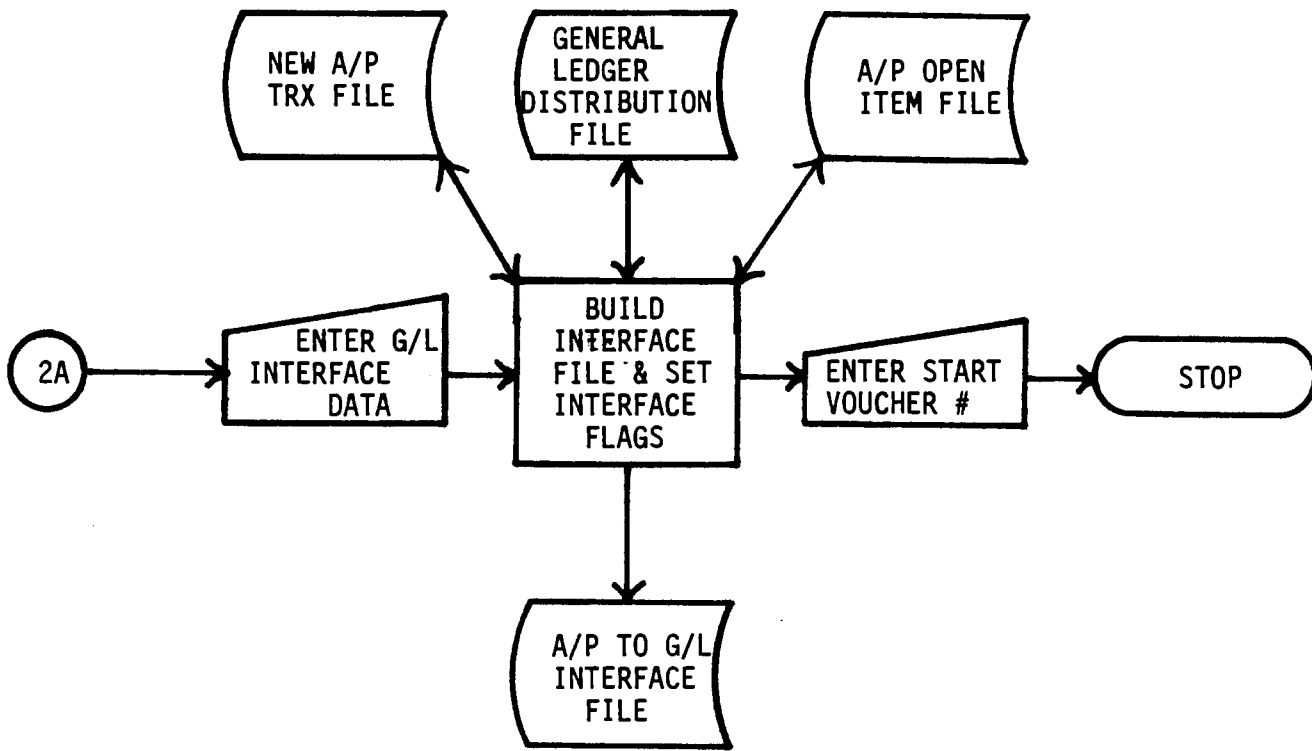
The Edit List is printed from the Transaction file and control returns to the main menu.

System Logic Flow



The maximum # of records to allow for each file in the Accounts Payable System is entered per Video Terminal exhibit # VTAP1, p. 1.

The files are built with dummy bracket records. See all A/P File Definition exhibits.



The data pertaining to G/L Interface is entered per VTAP1, p. 2.

The A/P to G/L Interface file is created with the specified # of records.

The Interface flags are set in the New A/P Trx File, the General Ledger Distribution File, and the A/P Open Item File.

The starting voucher # is entered for Accounts Payable Transaction File.

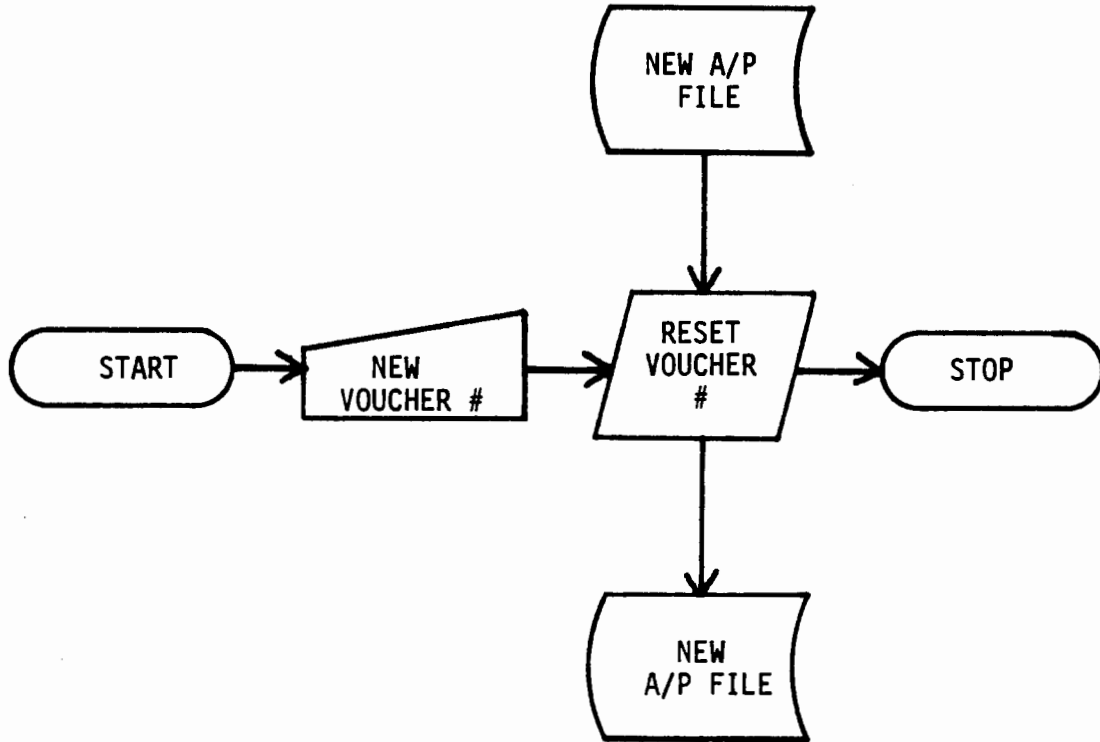
DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULENAME Reset Starting Voucher Number (SETVCH)



The new starting voucher # is entered through the terminal.

The new number is recorded in the New Accounts Payable File (FDAP4).

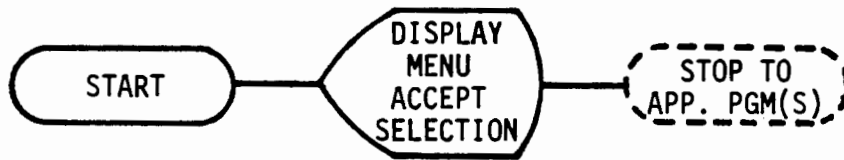
DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME Master Menu for Program Selection (APMENU)



Enter selection per Video Terminal exhibit # VTAP2.

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System Logic Flow

EXHIBIT NO. _____

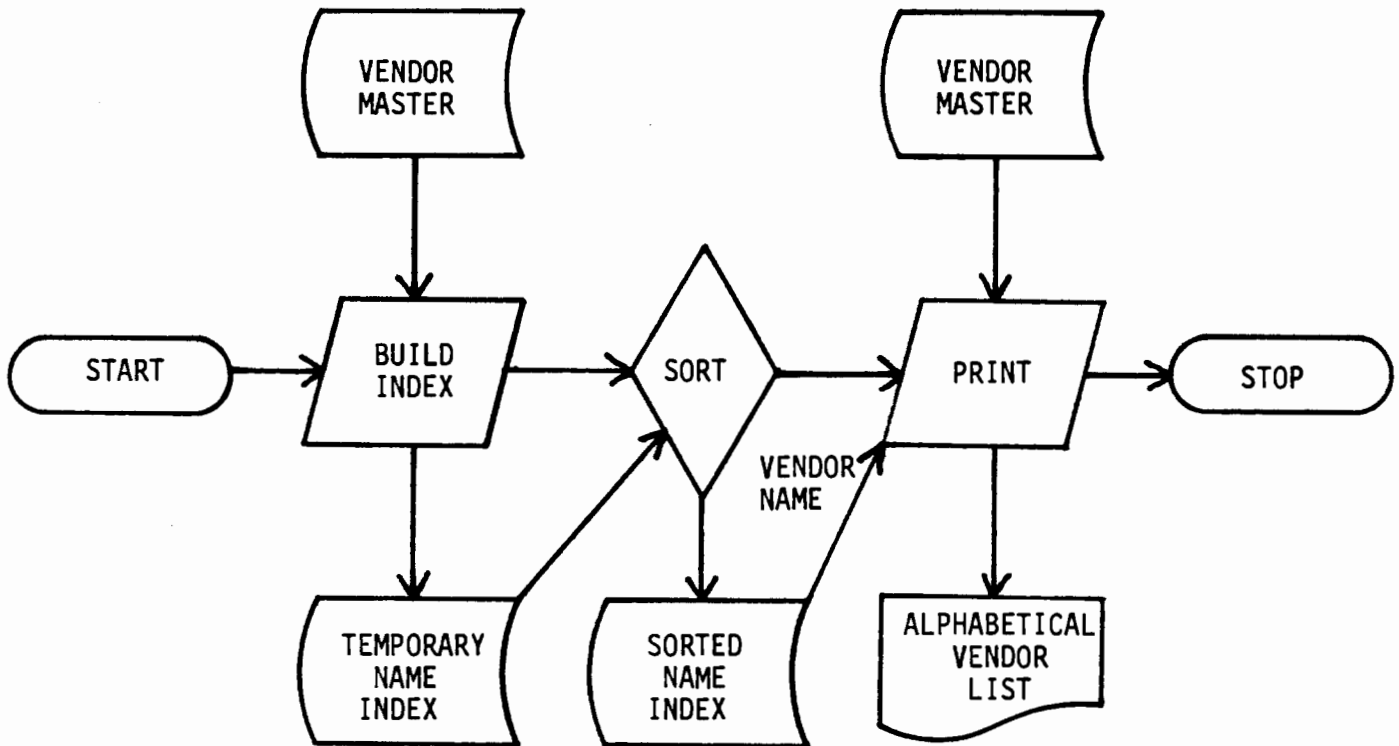
PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME Vendor Master File Maintenance (VENMNT)

This is a Standard Master File Maintenance Module. See separate detailed write-up for this type of module.

See also exhibits # VTAP3 Vendor Master File Maintenance
FDAP1 Vendor Master File
FDAP2 Vendor Index
RPTAP1 Vendor Print-Out

System Logic Flow



First, a temporary index (FDAP9) is created containing the vendor name.

The index is then sorted into order by vendor name and used to reference the Vendor Master (FDAP1).

Finally, the Alphabetical Vendor List (RPTAP2) is printed.

DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

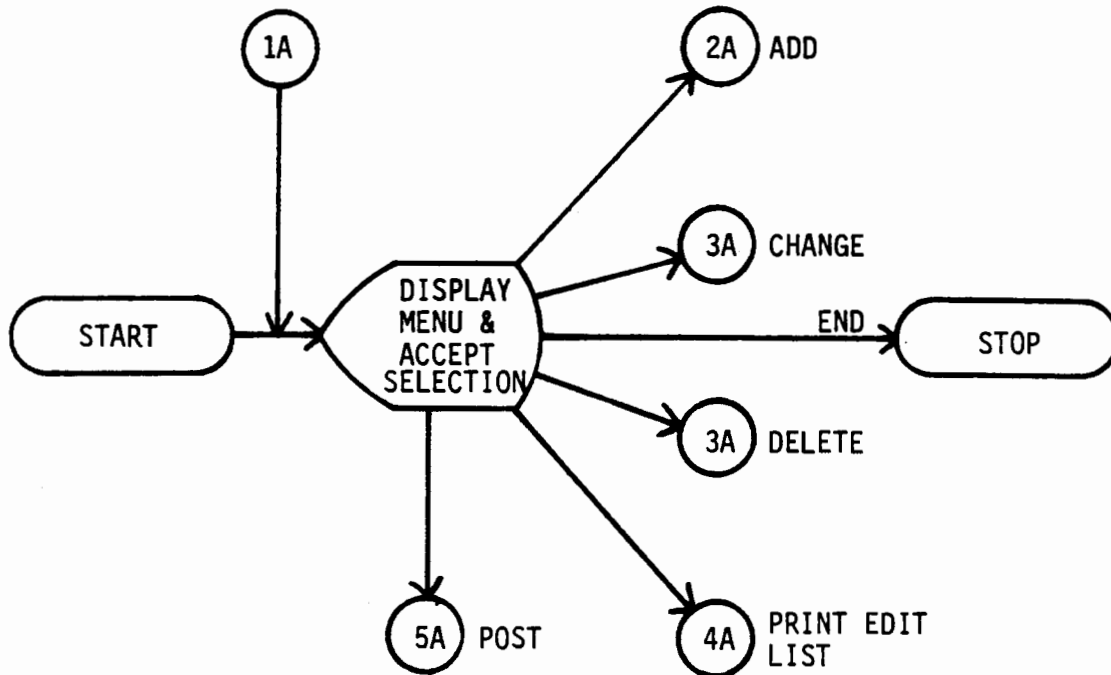
PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME Expense Account File Maintenance (ACTMNT)

This is a Standard Master File Maintenance except there is no index. See separate detailed write-up for this type of module.

See also exhibits # VTAP4 Expense Account File Maintenance
FDAP3 Expense Account File
RPTAP3 Expense Account List

System Logic Flow



The menu (VTAP5, p. 1) is displayed and one of the following selections is allowed:

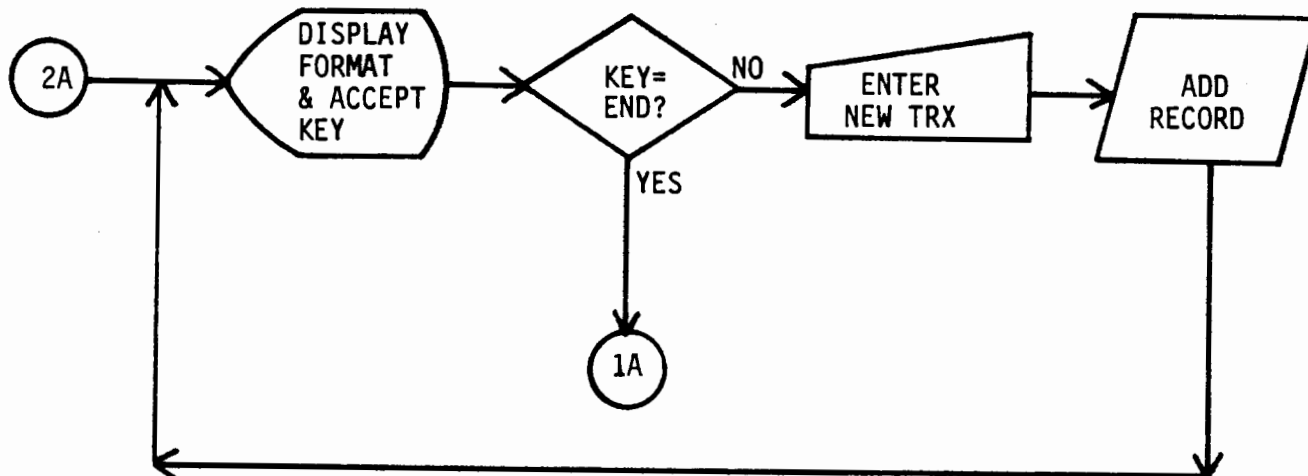
1. Enter (Add) New Transaction
2. Change Existing Transaction
3. Delete Existing Transaction
4. Print Transaction Edit List
5. Post Transaction to A/P Open File

See indicated pages for the processing appropriate to each selection.

"END" may be entered to terminate processing.

System Logic Flow

Additions:



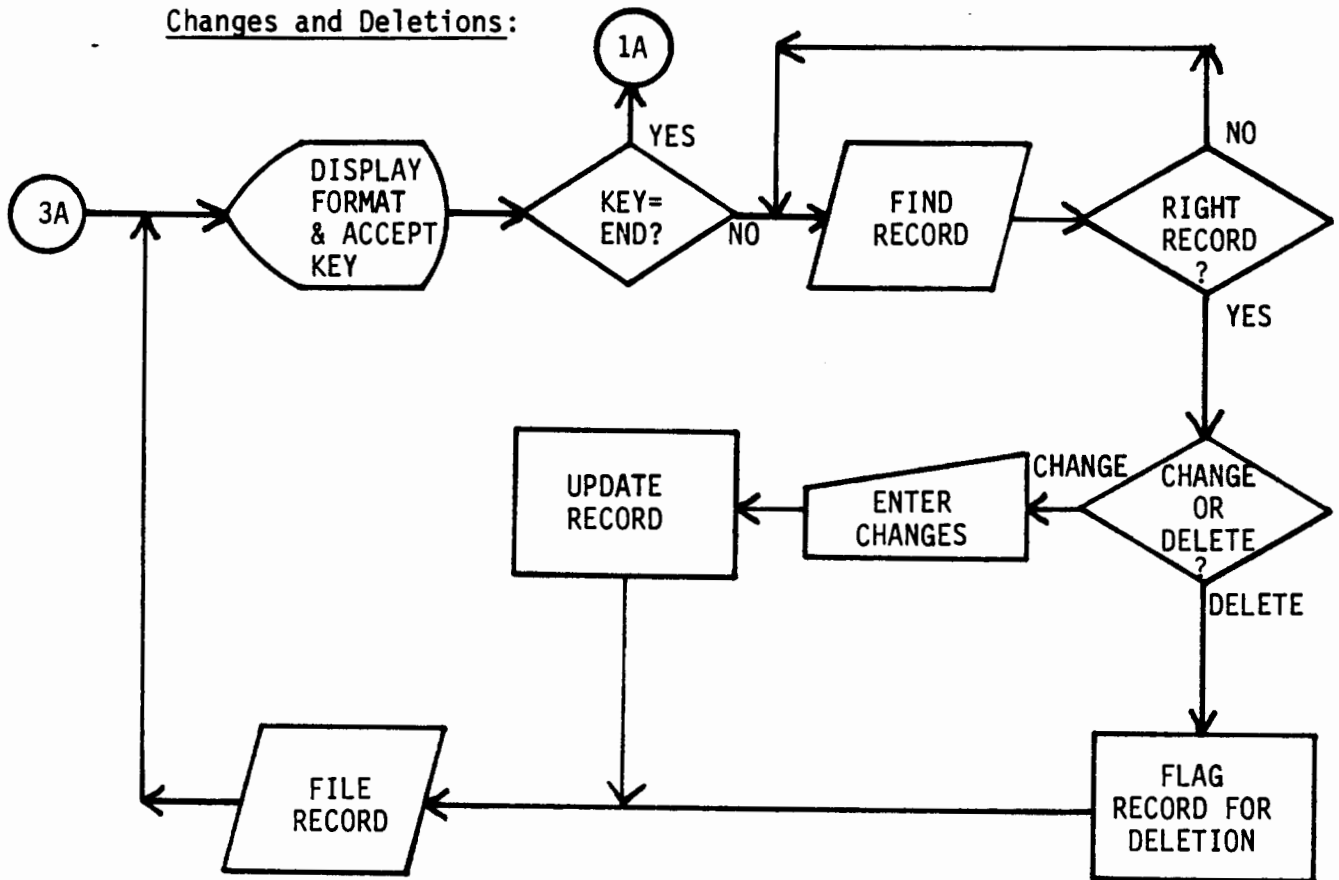
The full VDT format (VTAP5, p. 2) is displayed and the record is accepted. (If "END" is typed in the first field, the program returns to the menu (page 1).)

The record is added to the file, and the record count in the control record is updated.

The program redisplay the full VDT record format (VTAP5, p. 2) and accepts another record (or "END").

System Logic Flow

Changes and Deletions:



When Change or Delete is selected, the full record format (VTAP5, p. 2) is first displayed.

Then the key of the record being sought is entered. (If "END" is typed, the program returns to the menu (page 1).)

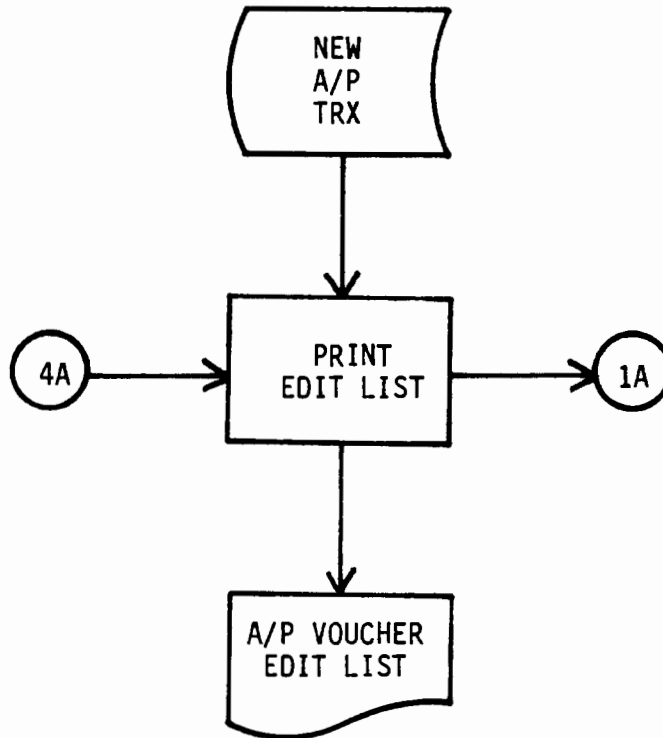
The program finds the record, displays its contents on the screen, and asks if this is the right record. (If not, the program looks for the next sequential record with the same key, displays it, etc. If the record is not found, an error message is displayed, and a new key must be entered.)

In Change mode, changes are entered through "ANY CHANGE ?" and "WHAT # ?". The record is then updated on the file, and a new key may be entered, or "END" may be typed to return to the menu (page 1).

In Delete mode, after verifying the right record, the program marks the record for deletion, and a new key may be entered, or "END" may be typed to return to the menu (page 1).

System Logic Flow

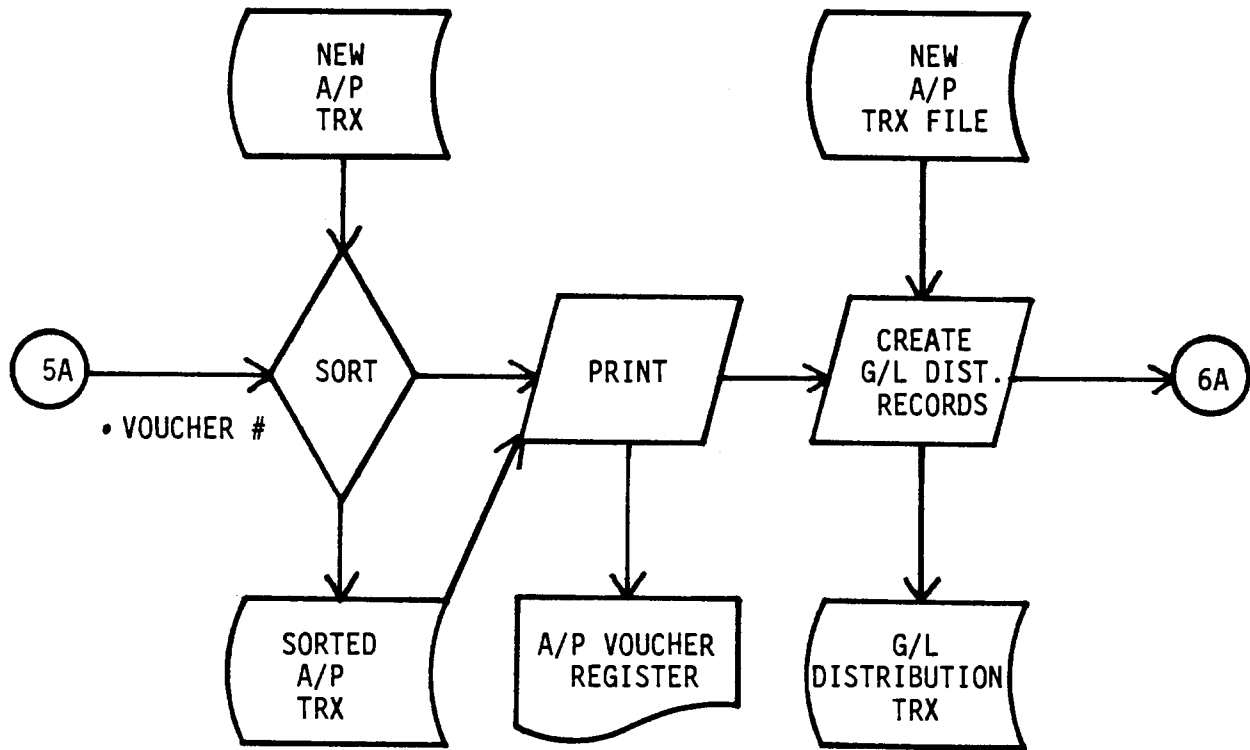
Print Edit List:



The Edit List is printed (RPTAP4) from the New A/P Transaction file (FDAP4).

Then the menu (VTAP5, p. 1) is redisplayed.

System Logic Flow

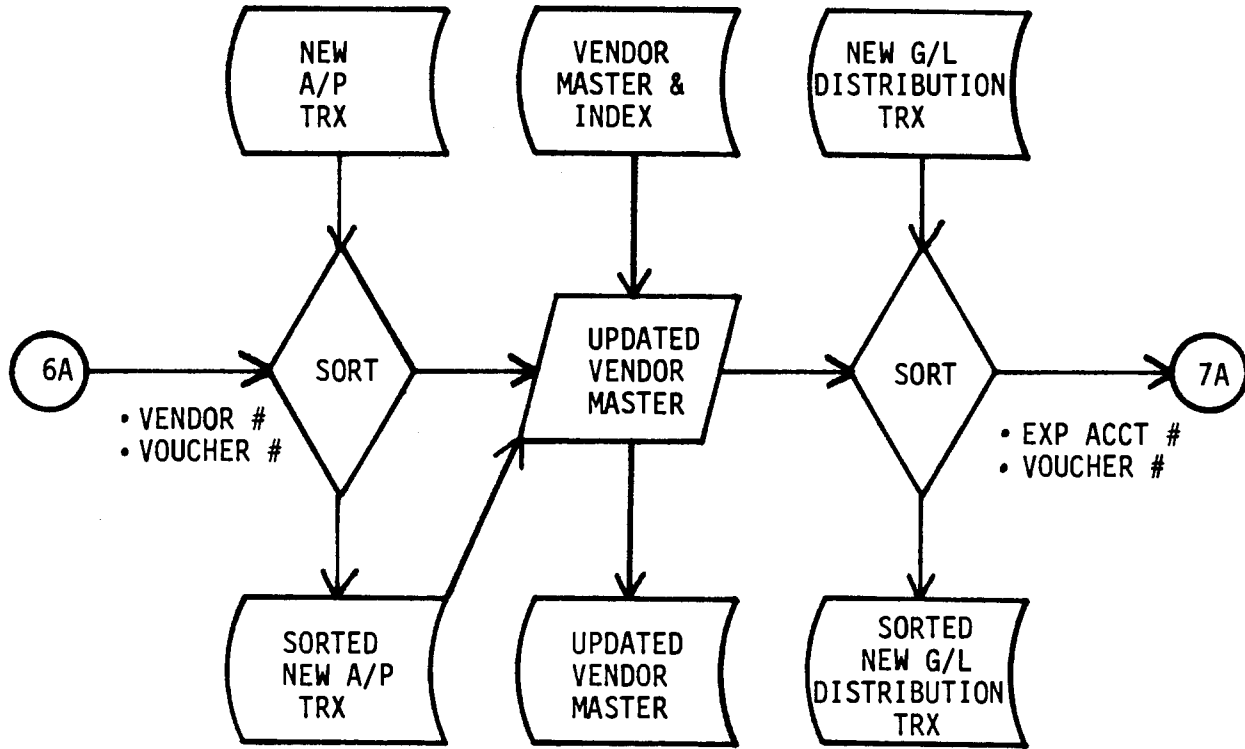


The New A/P Transaction file (FDAP4) is sorted by voucher #.

Then, the sorted transaction file is used to create the "Accounts Payable Voucher Register" (RPTAP4).

The records on the New A/P Transaction file are used to create one record for each Expense Account Distribution on the New G/L Distribution Transaction file (FDAP5).

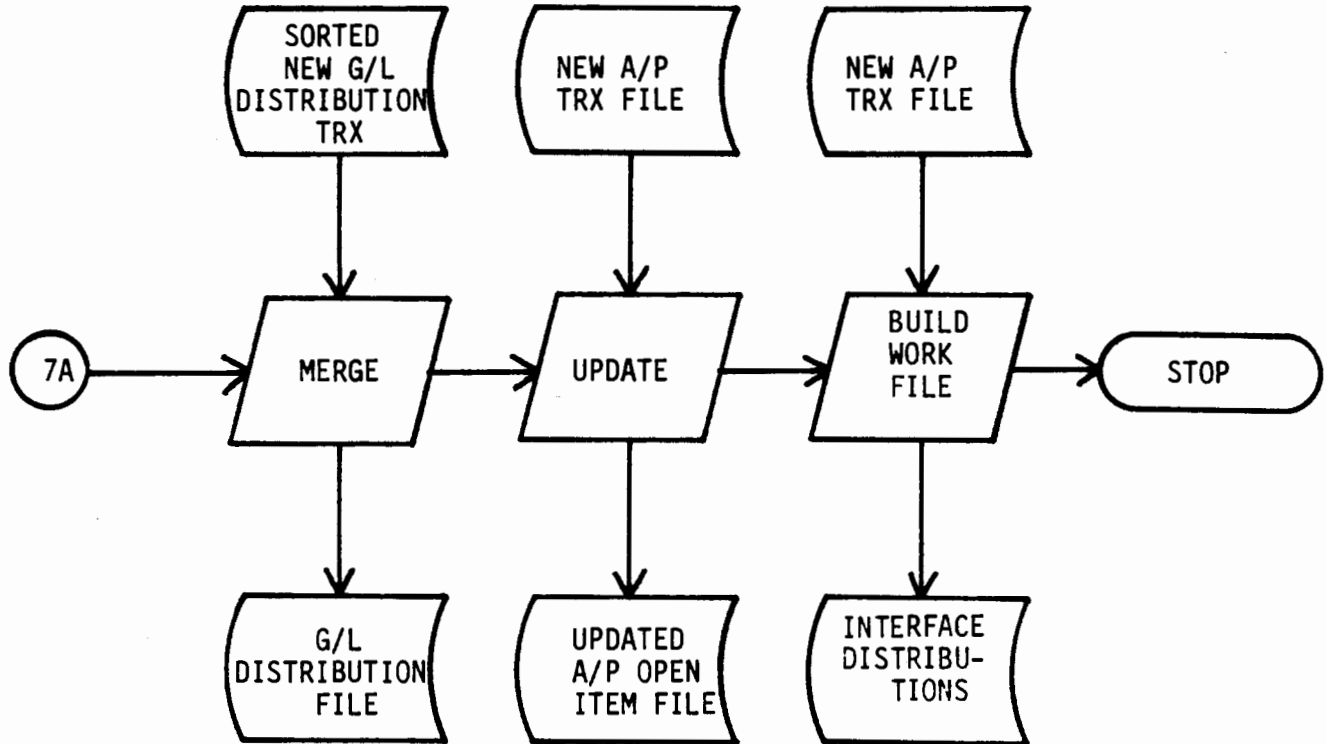
System Logic Flow



The New A/P Transaction file (FDAP4) is sorted into order by vendor #, voucher # in preparation for the next update.

The Vendor Master file (FDAP1) is updated via the Vendor Index (FDAP2) from the sorted New A/P Transaction file (FDAP4).

The New G/L Distribution Transaction file (FDAP5) which was just created is sorted into order by expense account #, voucher # in preparation for merging to the main file.

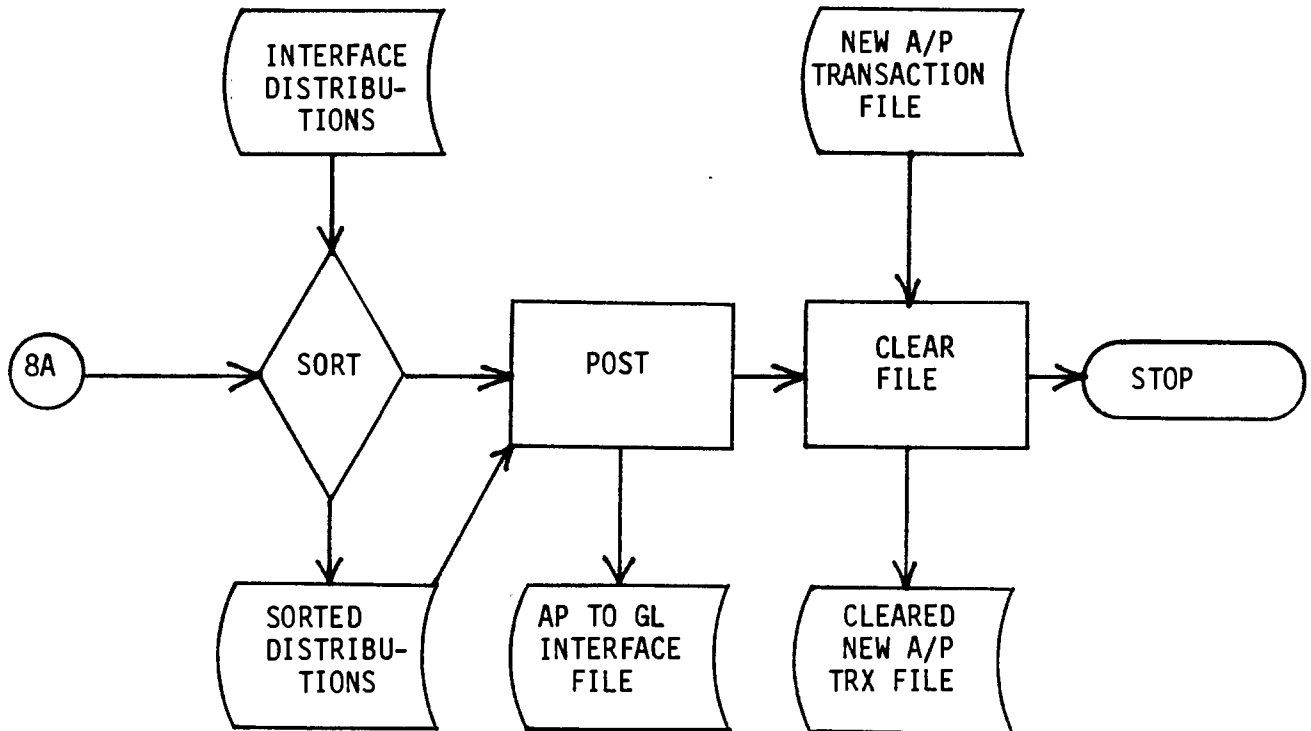


Now, the G/L Distribution file (FDAP6) is updated by merging new records from the G/L Distribution Transaction file (FDAP5).

The A/P Open Item file (FDAP7) is updated from the New A/P Transaction file (FDAP4).

The Interface Distribution Work file is created.

System Logic Flow



The Interface Distributions Work file is sorted and posted to the AP to GL Interface file (FDAP 8). Finally, the New A/P Transaction file (FDAP4) is cleared to one control record in preparation for the next run.

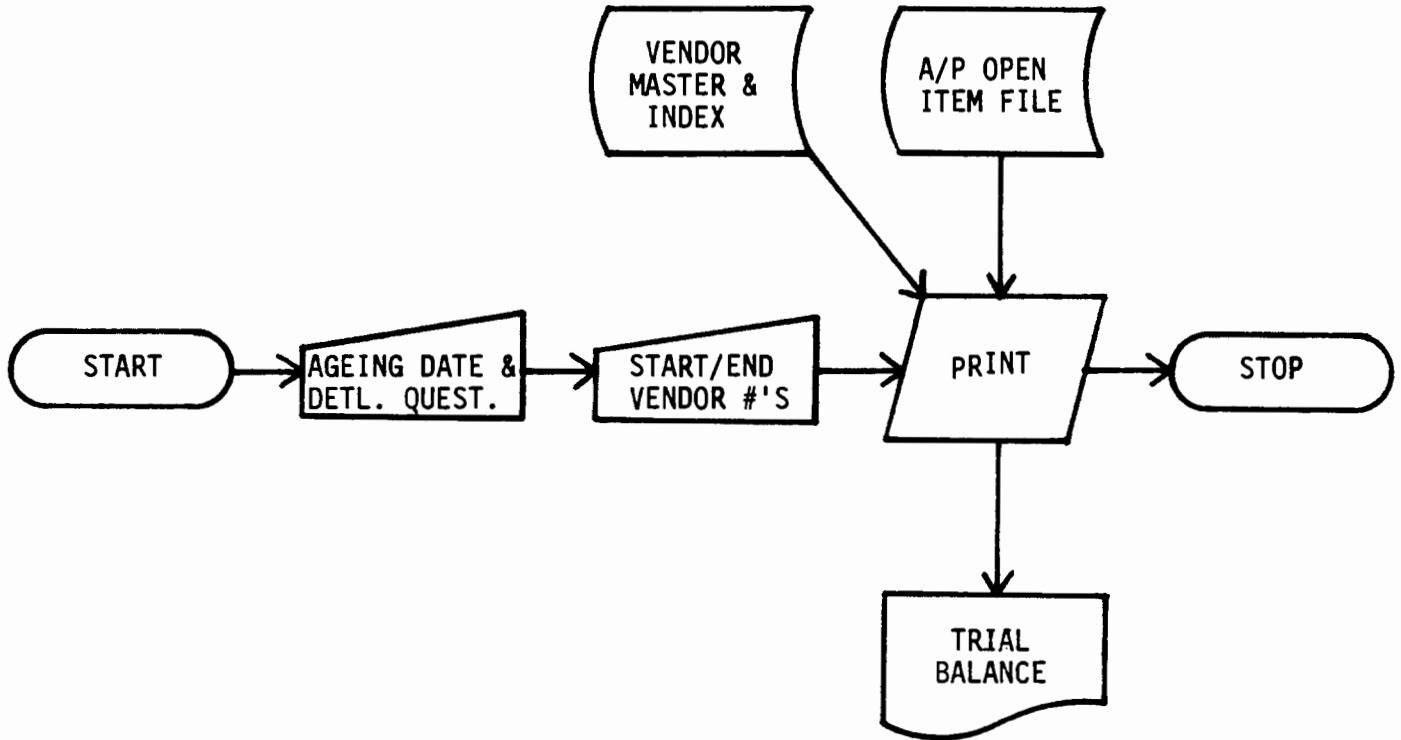
DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME Print A/P Aged Trial Balance (APTBAL)



The date to be used for ageing, whether to print detail, and the starting and ending vendor #'s for the report are accepted through the terminal (VTAP6).

Then the A/P Aged Trial Balance is printed from the A/P Open Item File (FDAP7) and the Vendor Master and Index Files (FDAP1 and FDAP2).

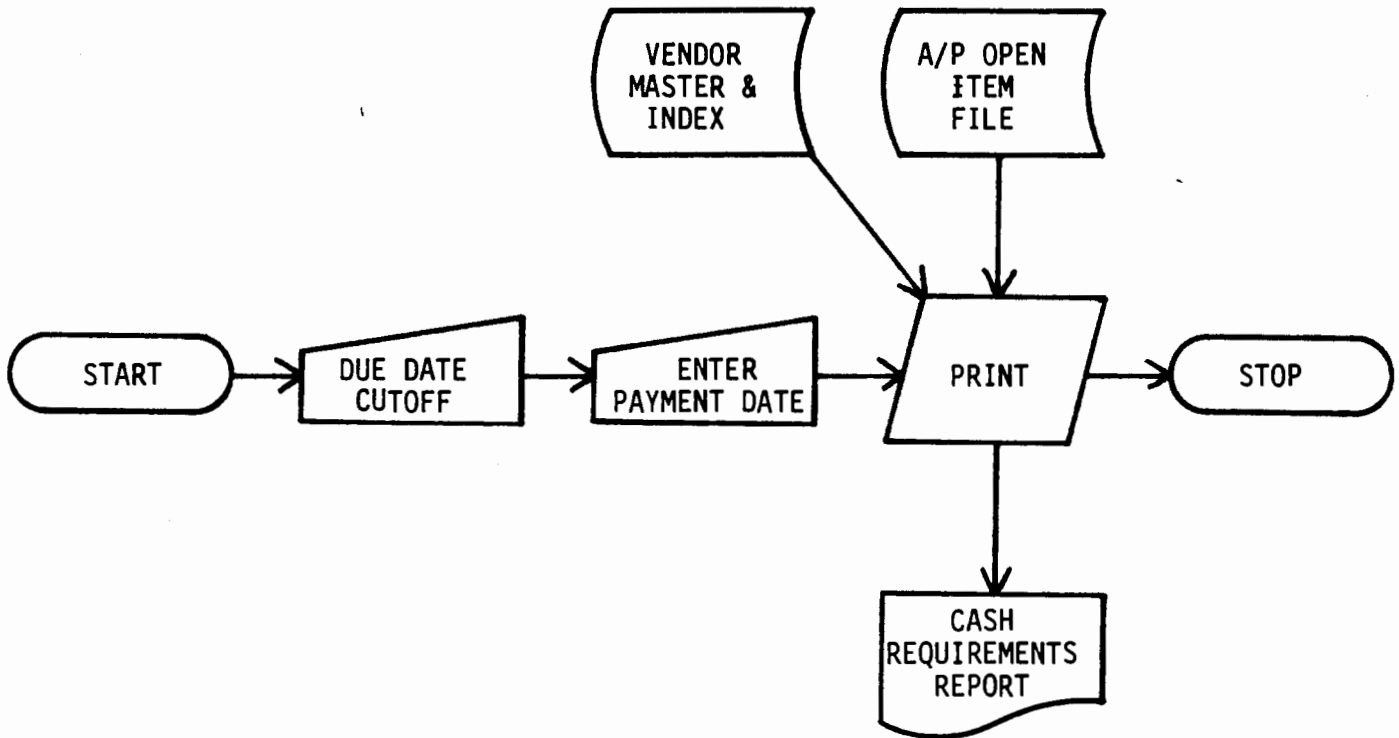
DATE 01-APR-78

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

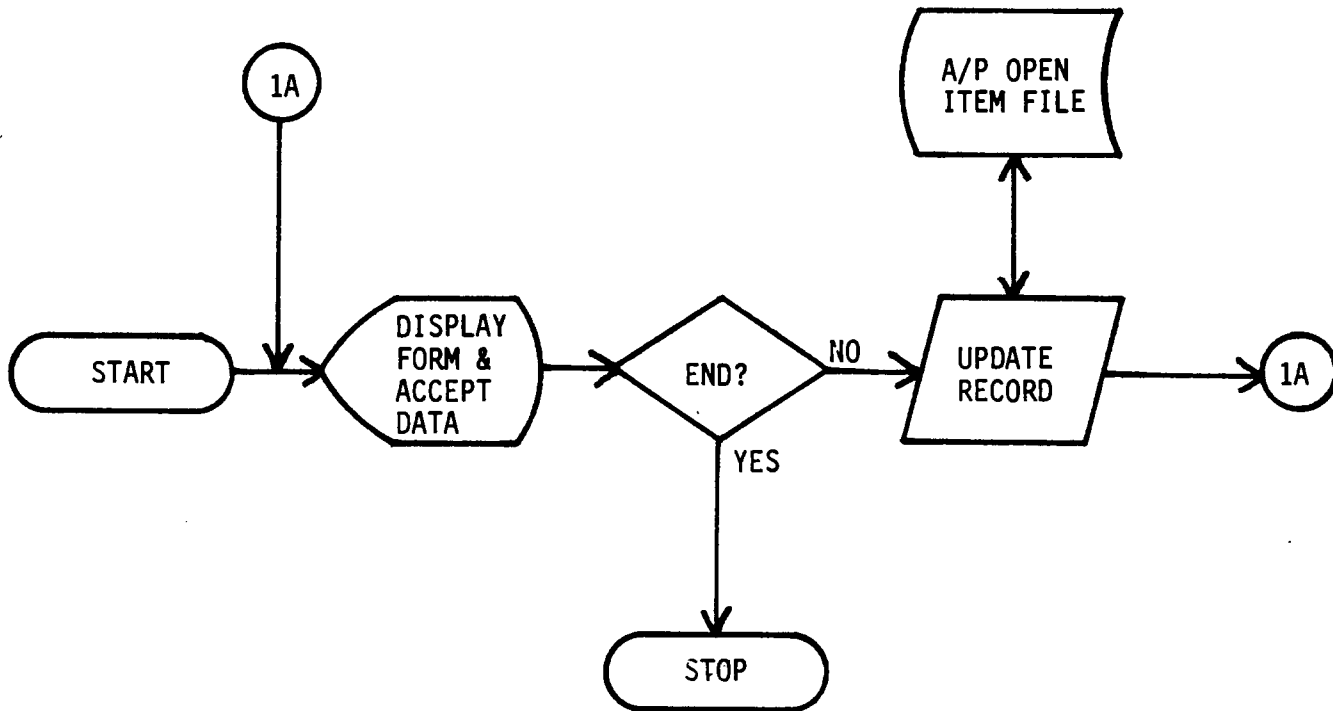
MODULE NAME Print Cash Requirements Report (CSHREQ)



The due date cutoff and intended payment date are entered through the terminal (VTAP7).

The "Cash Requirements Report" (RPTAP6) is printed using the A/P Open Item File (FDAP7) and the Vendor Master and Index (FDAP1 and FDAP2).

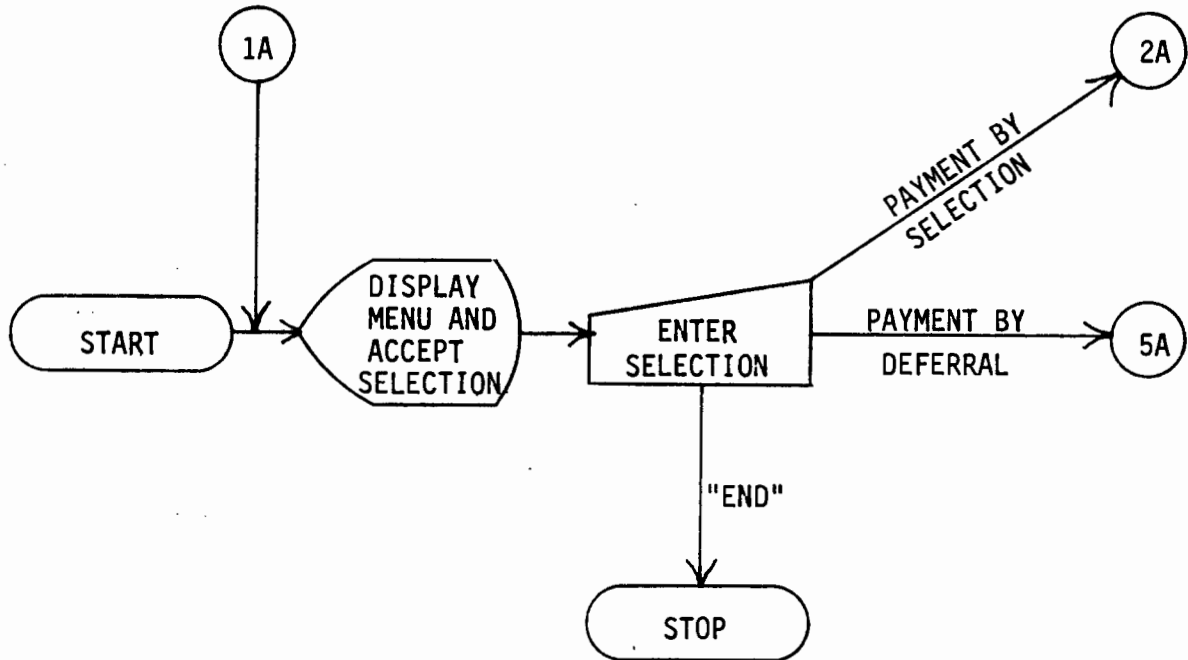
System Logic Flow



The record format (VTAP8) is displayed and the data is accepted. The proper record is found on the A/P Open file (FDAP7) and the due date is updated.

When "END" is entered, processing stops.

System Logic Flow

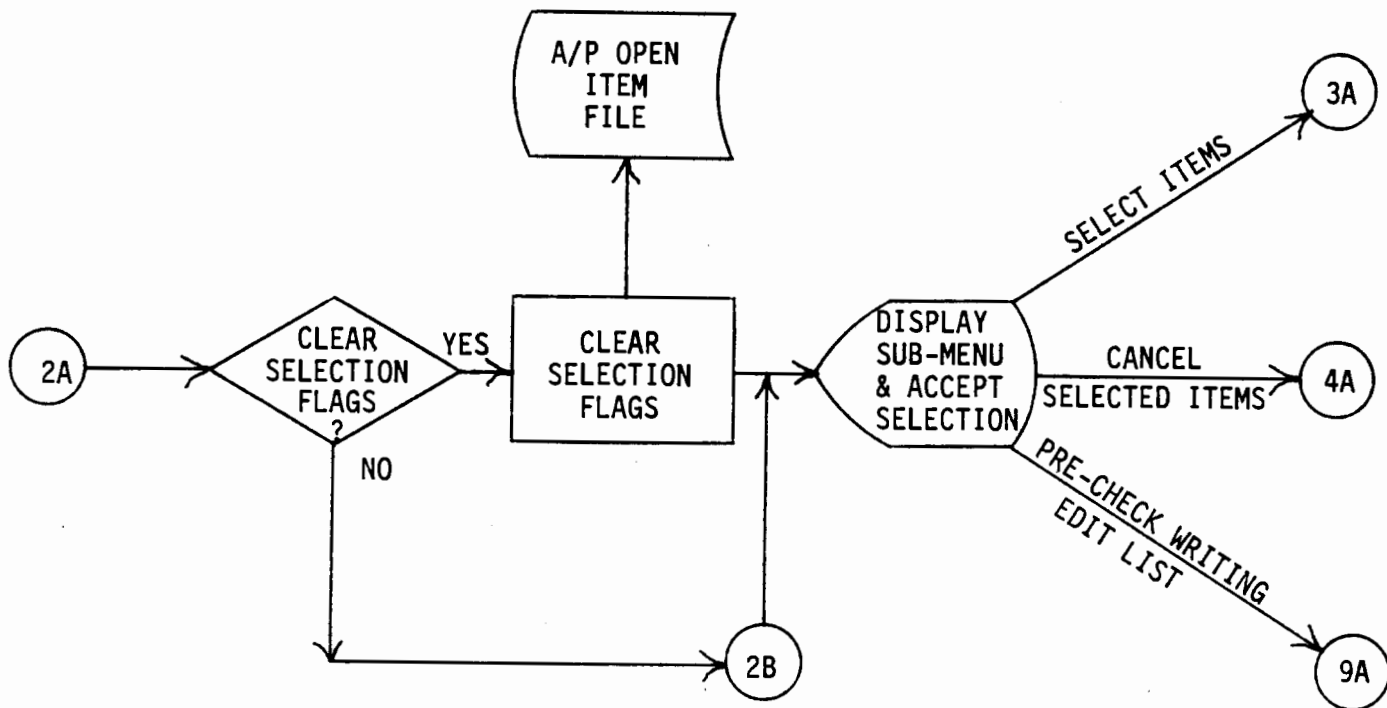


First, the menu (VTAP9, p. 1) is displayed.

The selection is entered.

System Logic Flow

By Selection:



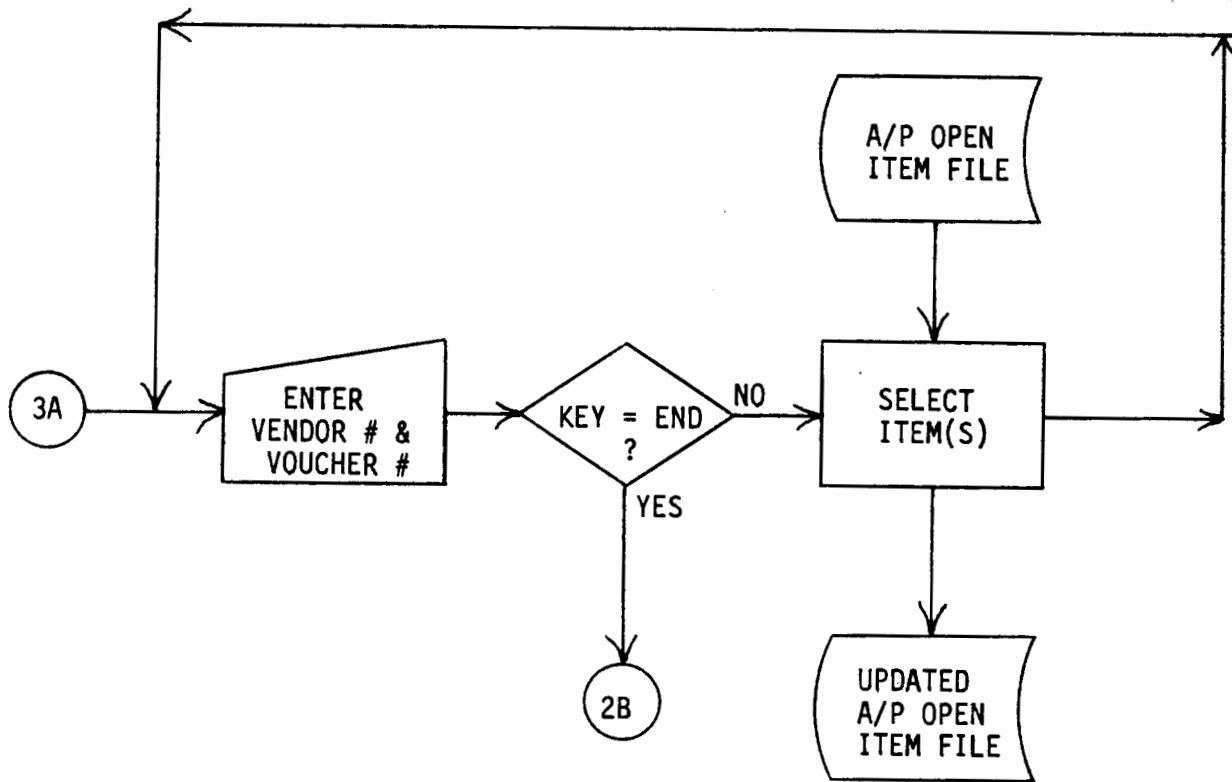
The question is asked whether to clear the selection flags.

If the answer is yes, the flags for all the records are set to "deferred".

If the answer is no, processing goes directly to the sub-menu.

The sub-menu is displayed and the selection is accepted.

By Selection:



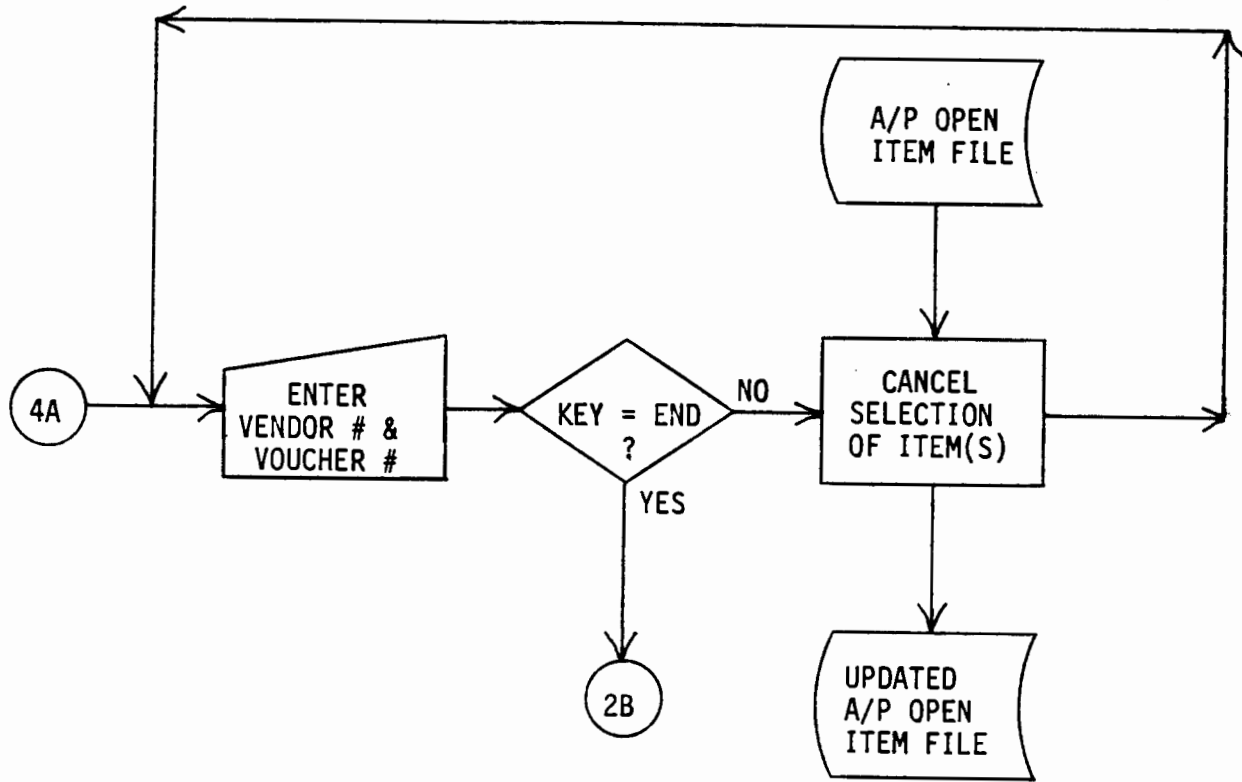
The vendor number and voucher number are entered for selection.

If "END" is entered, processing returns to the sub-menu.

Otherwise, the item(s) specified is (are) selected.

System Logic Flow

By Selection:

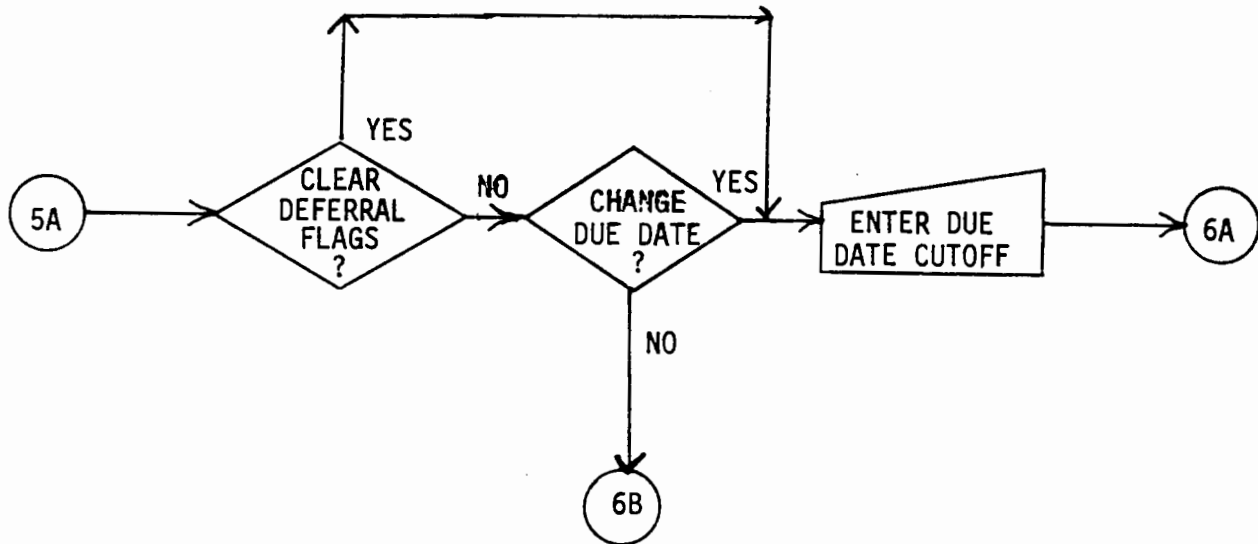


The vendor number and the voucher number are entered for cancellation.

If "END" is entered, processing returns to the sub-menu.

Otherwise, the selection of the item(s) specified is cancelled.

- By Deferral:



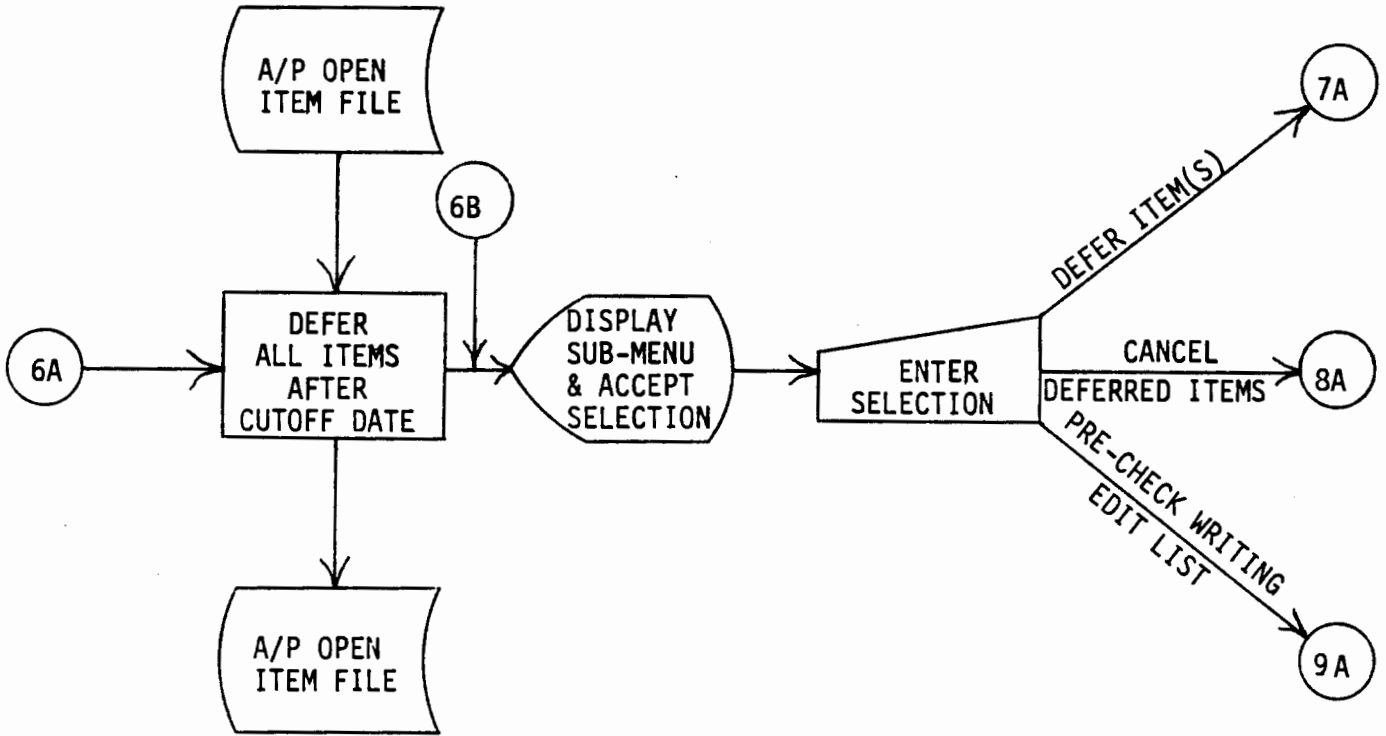
The question is asked whether to clear the deferral flags.

If the answer is **no**, processing goes directly to the entry of the due date cutoff.

If it is desired to clear the deferral flags or if the due date is to be changed, a new due date cutoff is entered. Processing continues with the setup of the AP Open Item file.

If neither of the above options are desired, processing continues with display of the deferral sub-menu.

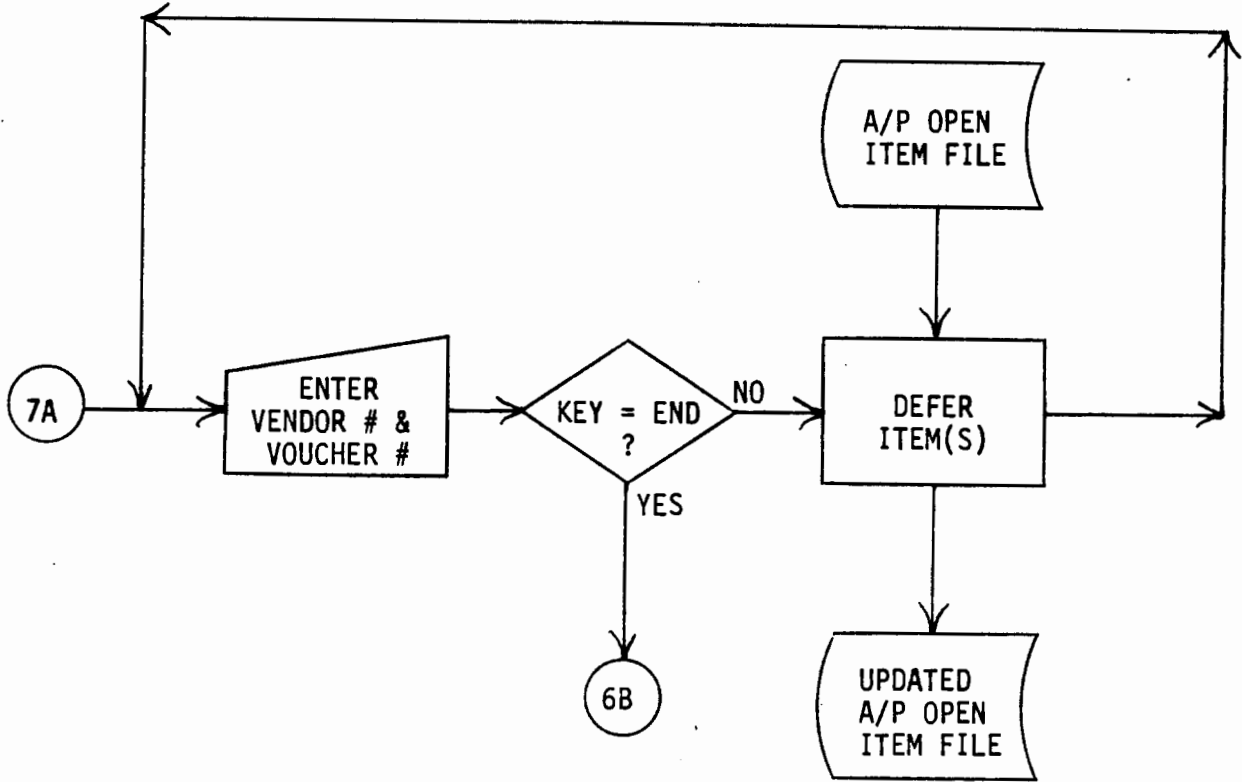
By Deferral:



All items after the cutoff date are deferred.

The sub-menu is displayed and the selection made.

By Deferral:

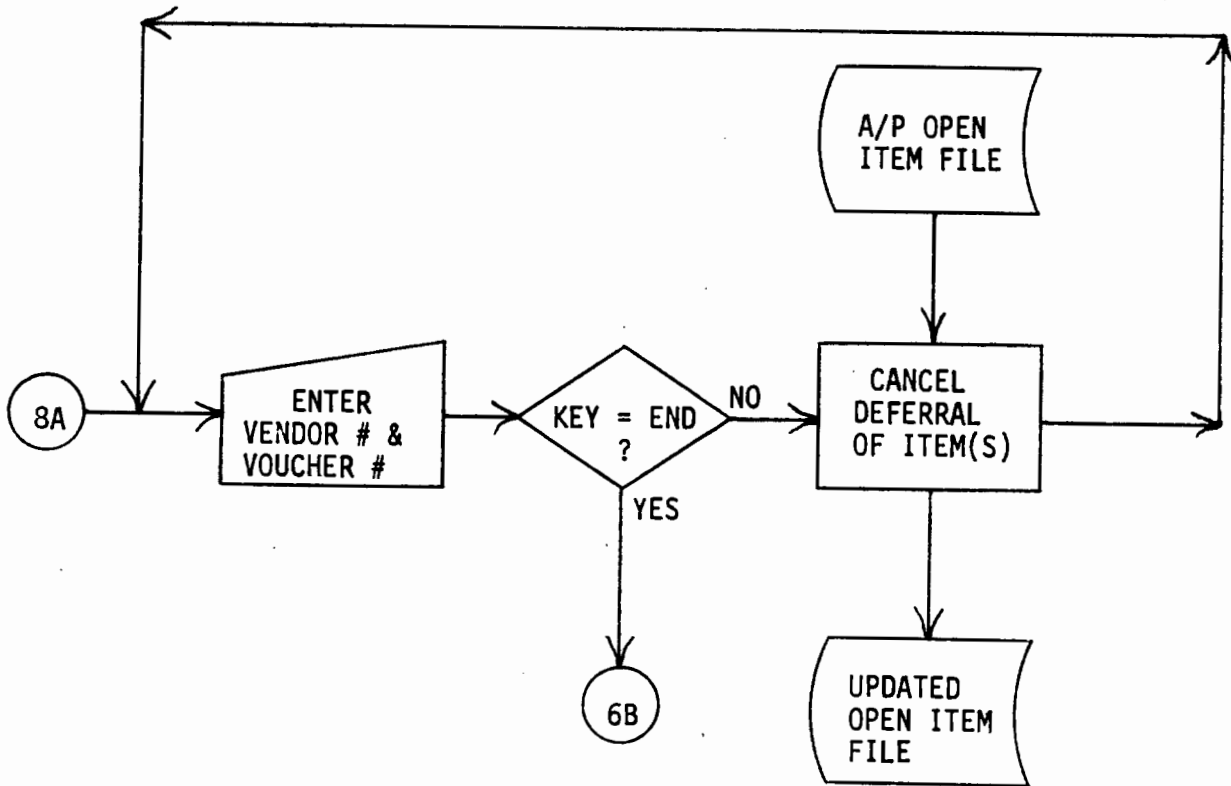


The vendor number and voucher number are entered for deferral.

If "END" is entered, processing returns to the sub-menu.

Otherwise, the item(s) specified is (are) deferred.

By Deferral:

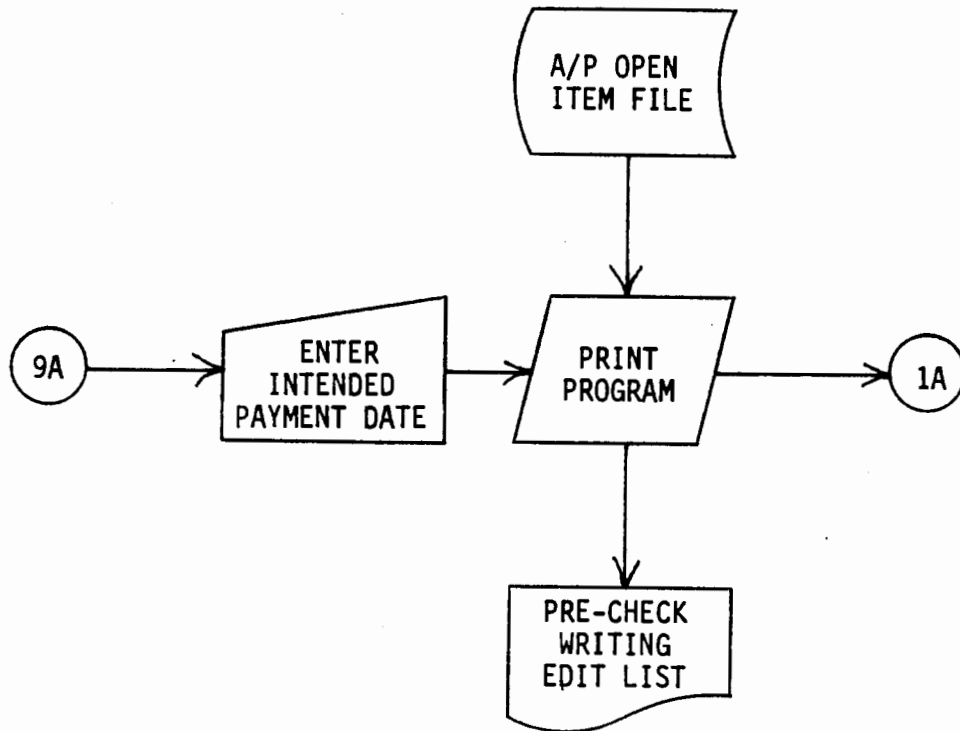


The vendor number and voucher number are entered for cancellation.

If "END" is entered, processing returns to the sub-menu.

Otherwise, the deferral of the item(s) specified is cancelled.

Pre-Check Writing Edit List:



The intended payment date is entered per VTAP12.

The Pre-Check-Writing Report is printed per RPTAP8.

Processing is returned to the first menu in the job stream.

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System Logic Flow

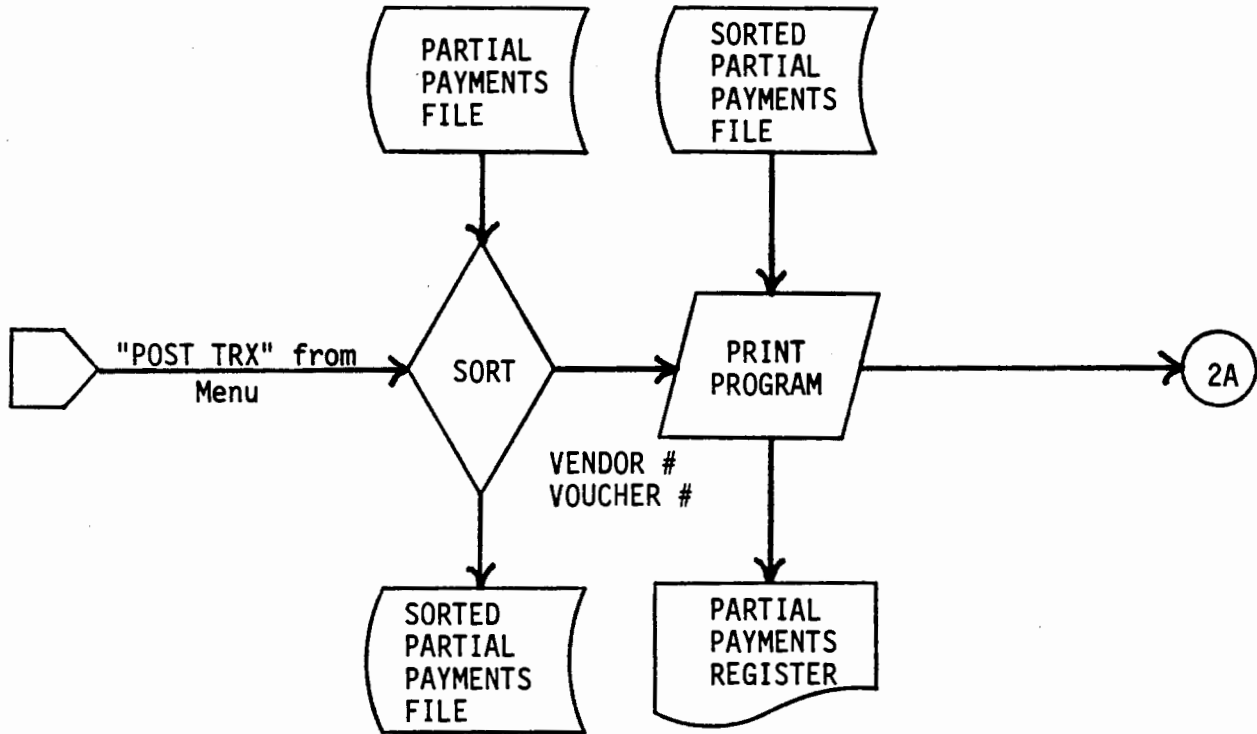
EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 10 of 10

MODULE NAME Payment Preparation (DEFER)

This page has been intentionally left blank.

System Logic Flow



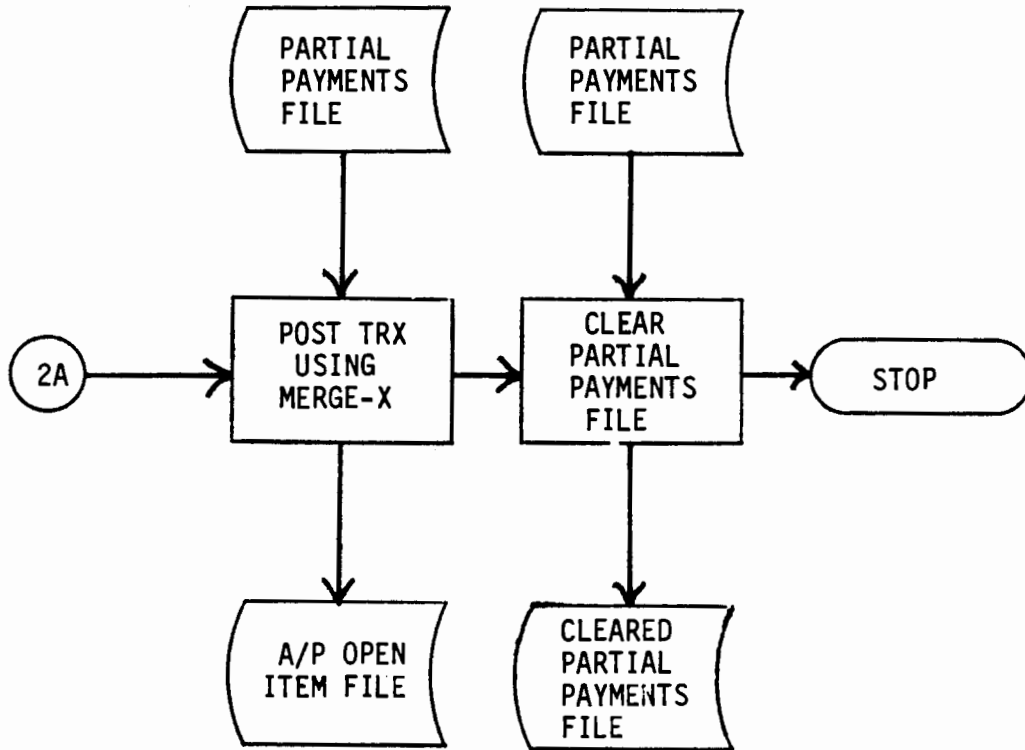
This is a Modified Trx Entry/Editing Module. There is one selection added to the main menu: "REMOVE POSTED PARTIALS". This deletes partial payments from the A/P Open Item File. (See separate System Logic Flow for the processing.)

- Also see VTAP10 - Partial Payments Entry/Editing
- RPTAP7 - Partial Payments Register
- FDAP7 - A/P Open Item File
- FDAP10 - Partial Payments File

To post transactions, the Partial Payments file (FDAP10) is sorted into order by vendor # and voucher #.

The Partial Payments Register (RPTAP7) is printed.

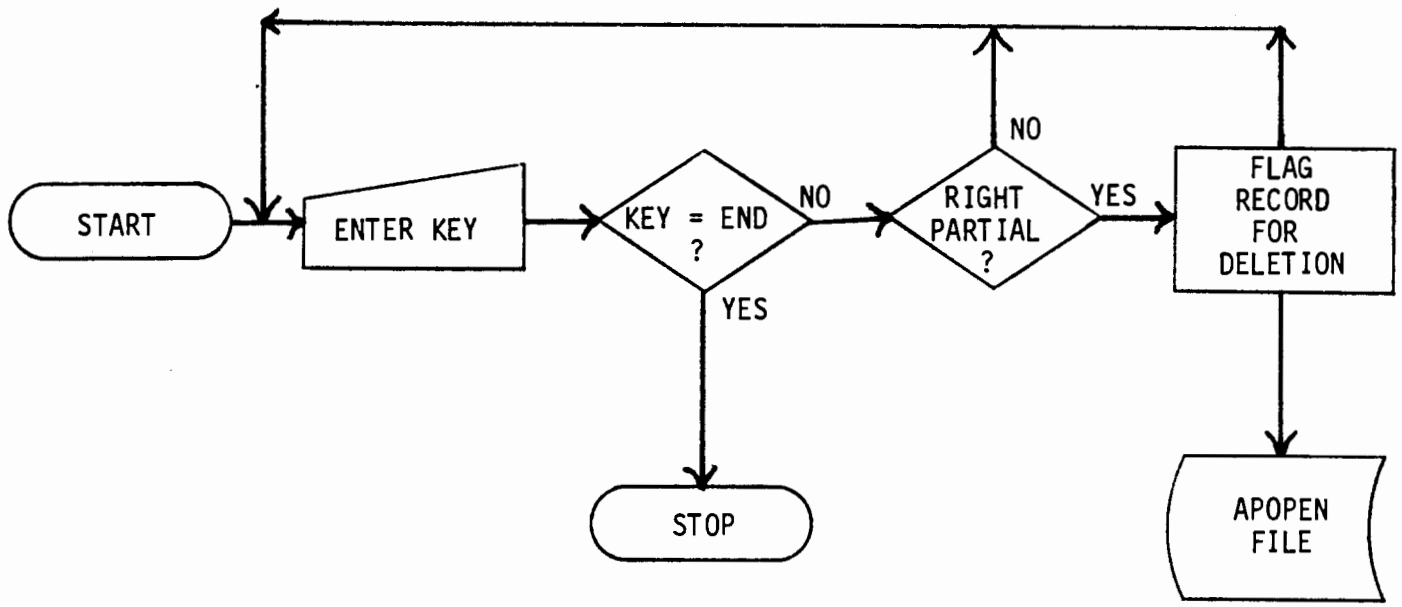
System Logic Flow



The Partial Payments file (FDAP10) is posted into the A/P Open Item file (FDAP7) using the standard Merge-X technique.

Then, the Partial Payments file is cleared to a control record and dummy bracket records.

System Logic Flow



The key is entered per VTAP13.
If the key = "END" then processing is terminated.
Otherwise, "RIGHT PARTIAL ?" is asked.
If no, a return is made for the next key.
If yes, the record is flagged for deletion and a return is made for the next key.

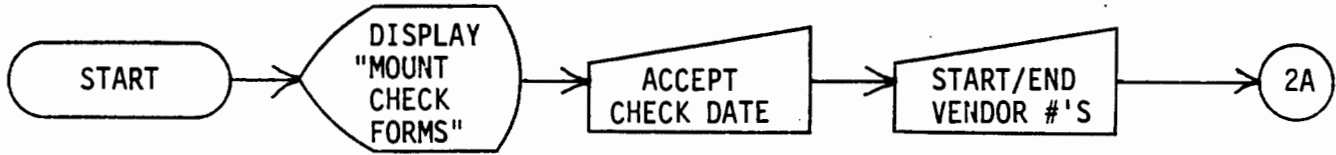
DATE 01-APR-78

System Logic Flow

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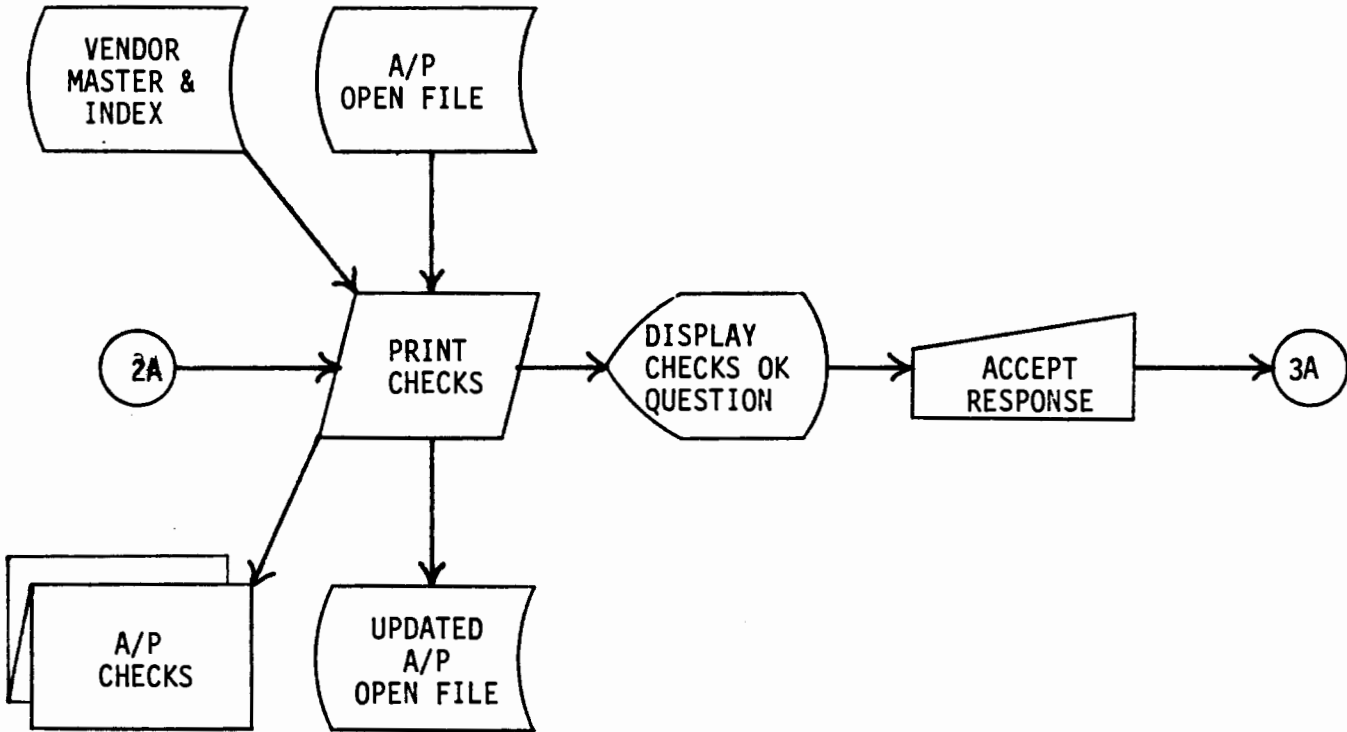
MODULE NAME Print Checks; Print Check Register and Update A/P Open Item File (PRECHK)



A request is made to mount check forms on the printer.

The check date and starting and ending vendor numbers are accepted through the terminal (VTAP13).

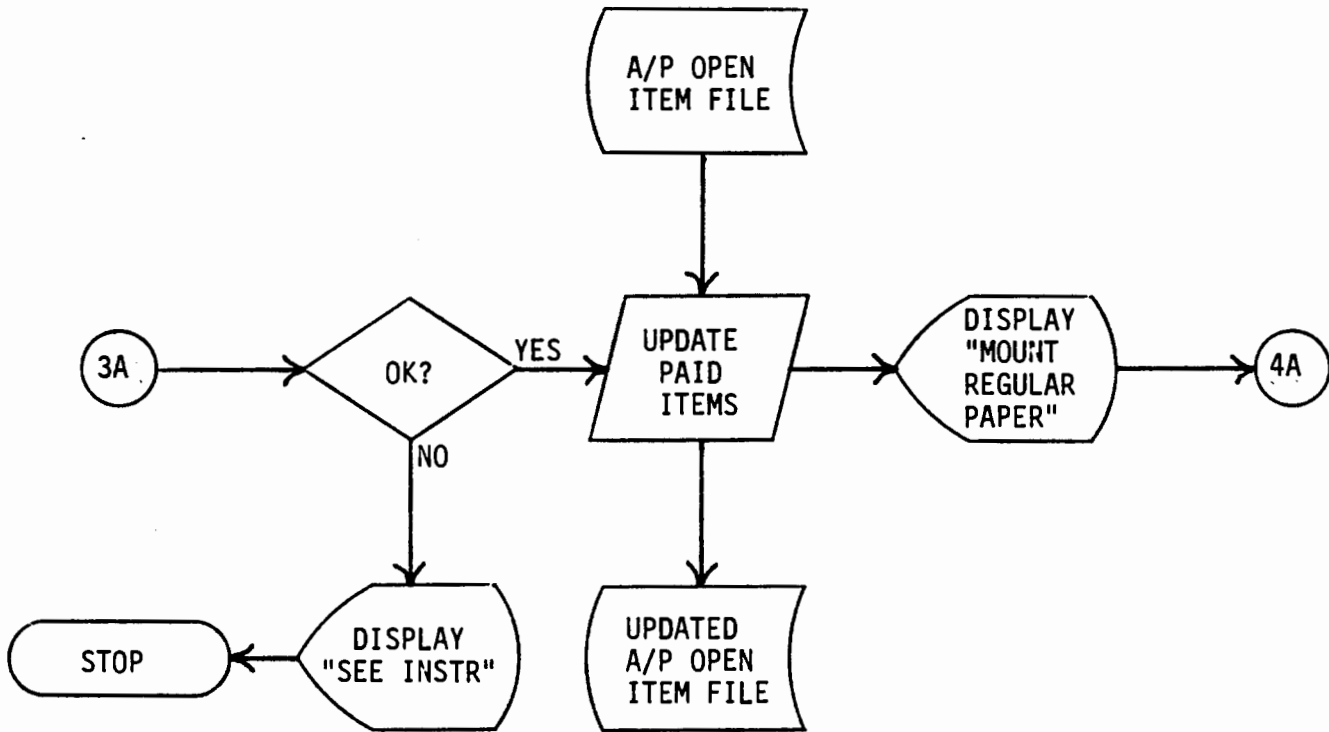
System Logic Flow



Then the checks (RPTAP9, FORMAP1) are produced using the A/P Open Item File (FDAP7), the Vendor Master (FDAP1) and Vendor Index (FDAP2). The A/P Open Item File is updated to reflect paid checks.

A check is made to determine if check printing is satisfactory.

System Logic Flow



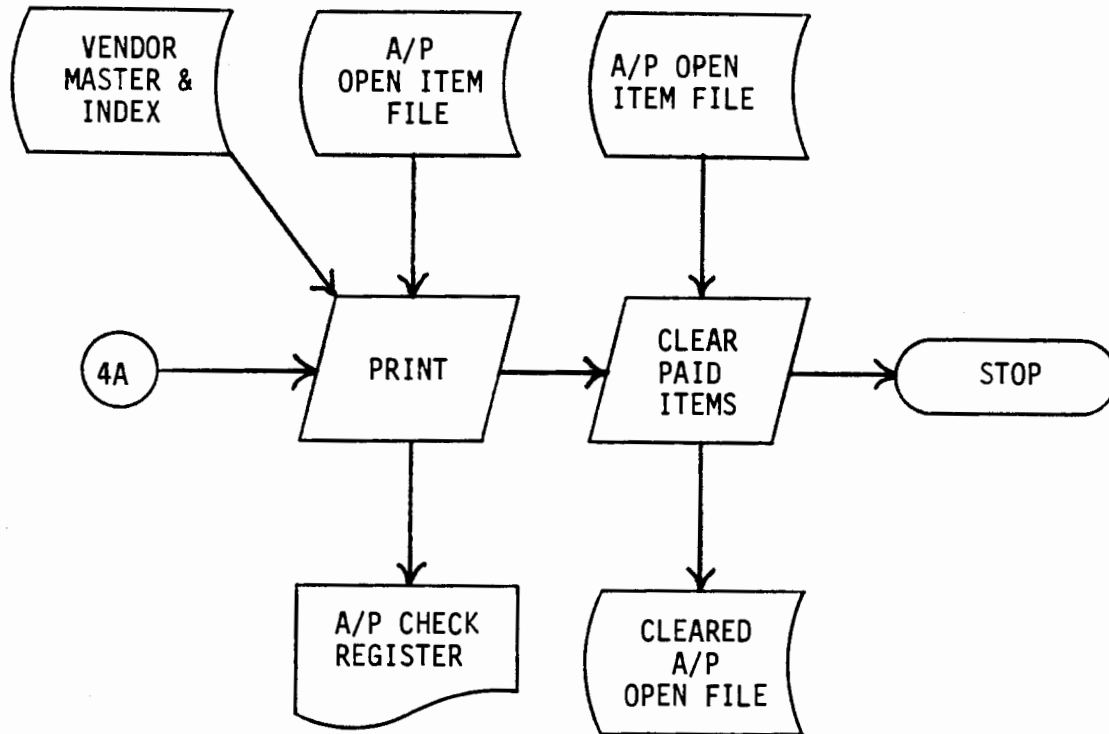
If the checks are satisfactory, processing continues.

Otherwise, processing stops after an error message has been displayed.

The A/P Open Item File (FDAP7) is updated to reflect the check date for all paid items.

A request is made to mount regular paper on the printer..

System Logic Flow



Processing continues with production of the Accounts Payable Check Register (RPTAP10).

All prepaid, paid and credit balance items are cleared from the A/P Open Item File (FDAP7).

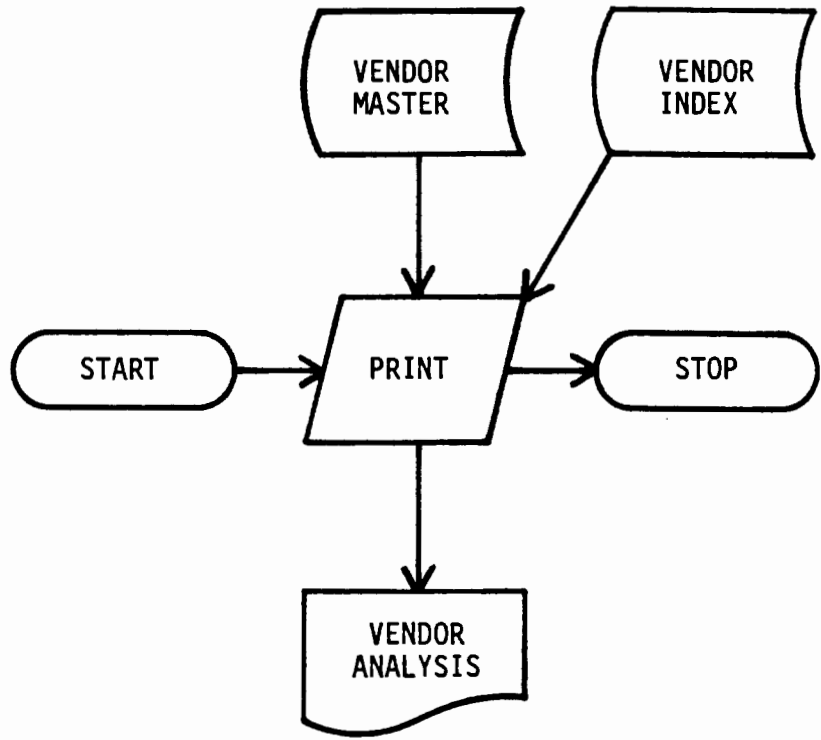
DATE 01-APR-78

System Logic Flow

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MODULENAME Print Vendor Analysis (VENANL)



The Vendor Analysis Report (RPTAP11) is printed.

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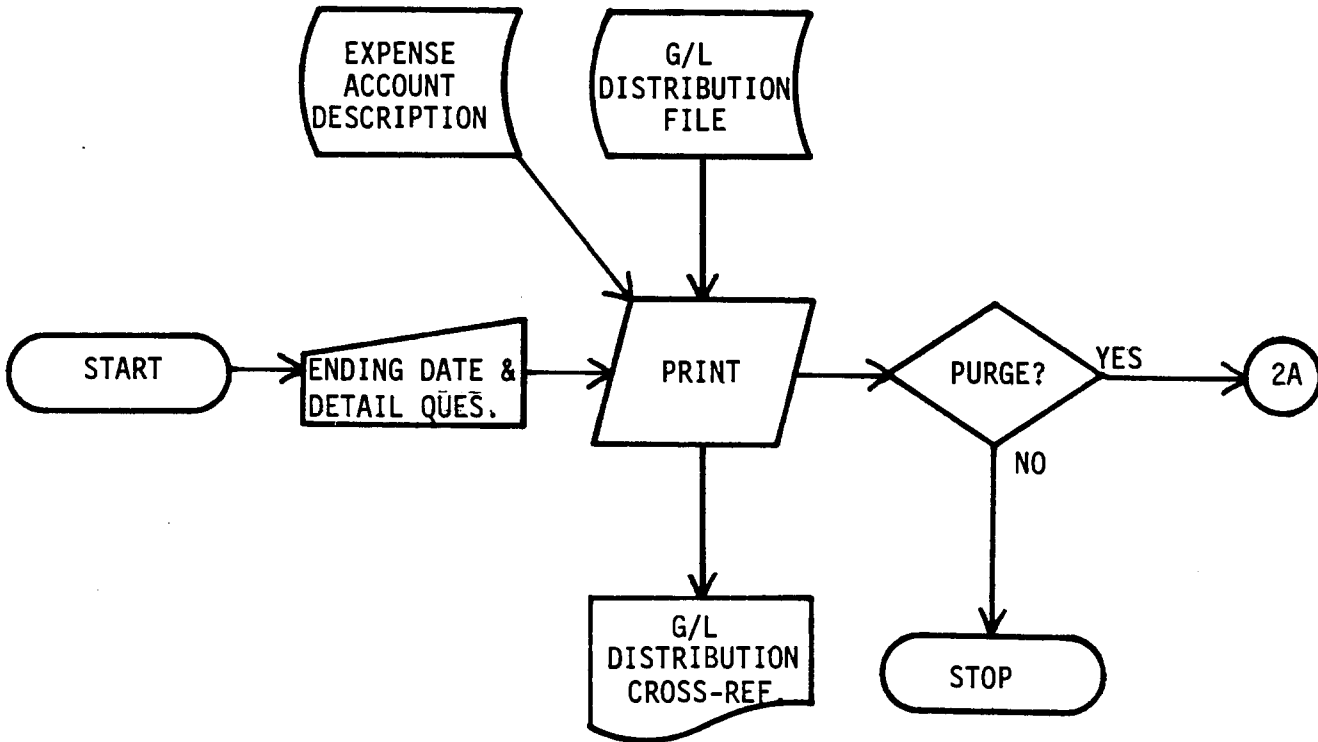
DATE _____

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP - 350 PAGE 1 of 2

MODULE NAME Print G/L Distribution Cross Reference. Optionally, Purge the G/L Distribution File and Interface to G/L. (APGLCR).



The report ending date and whether to show detail is accepted (VTAP14), and the Expense Account Cross Reference (RPTAP12) is printed.

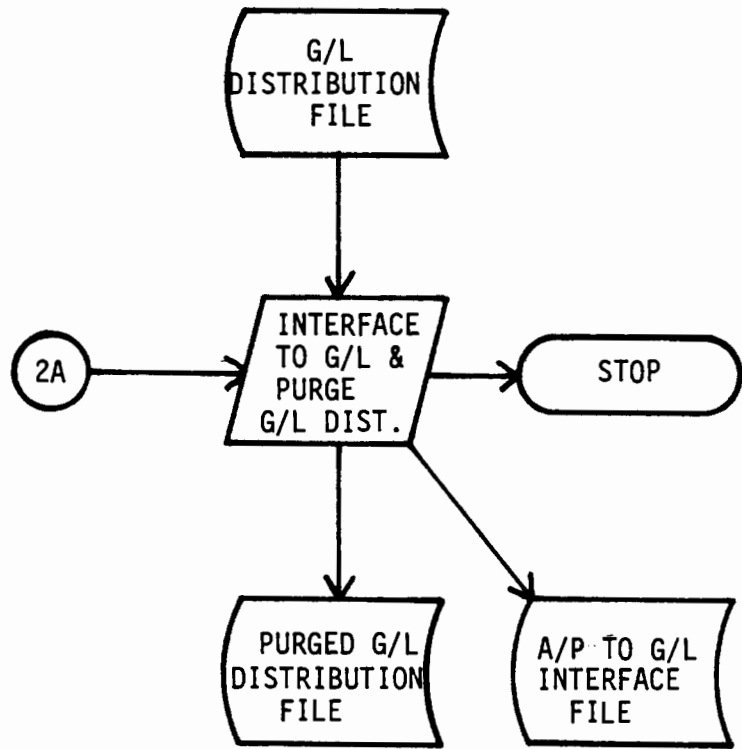
Files used for the report are the Expense Account Description File (FDAP3) and the General Ledger Distribution File (FDAP6).

A check is made to see if the General Ledger Distribution file should be purged through the report date.

If not, processing stops.

System Logic Flow

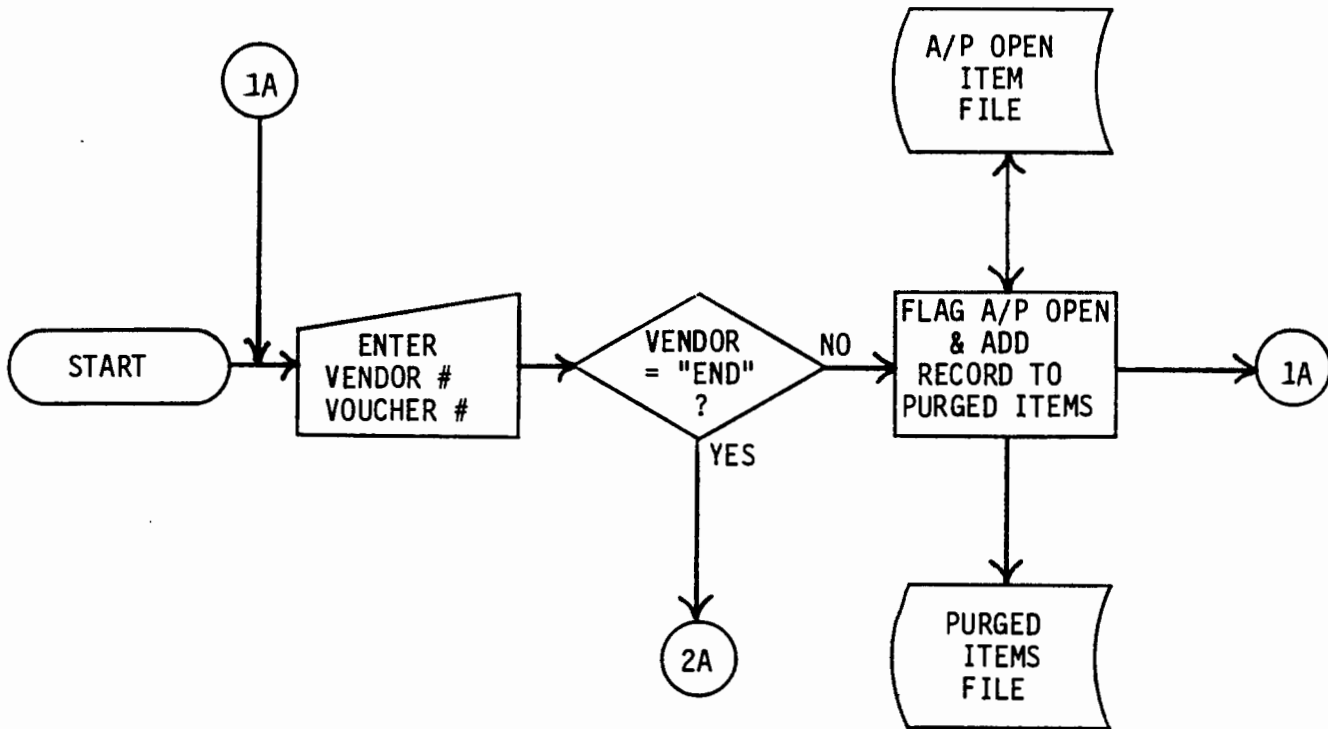
MODULENAME Print G/L Distribution Cross Reference. Optionally, Purge the G/L Distribution File and Interface to G/L. (APGLCR)



The General Ledger Distribution File (FDAP6) is rewritten omitting all entries dated prior to the report date.

Records are created in the APTOGL Interface File (FDAP8).

System Logic Flow

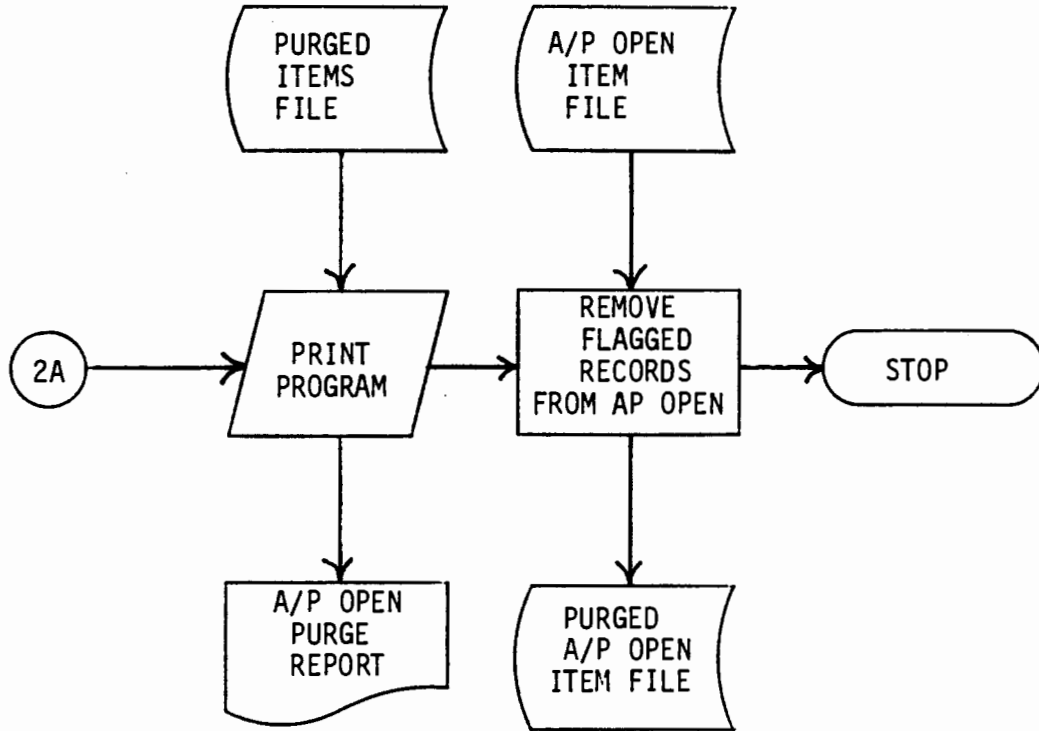


The vendor # and voucher # are entered per VTAP15.

If "END" is entered for the vendor #, processing is continued with the print program (see next page).

Otherwise, the A/P Open Item record (FDAP7) is flagged for purging and a copy of the record is added to the A/P Open Purged Items File (FDAP11).

System Logic Flow



The A/P Open Purge Report is printed per RPTAP13.

The records flagged for purging are removed from the A/P Open Item file.

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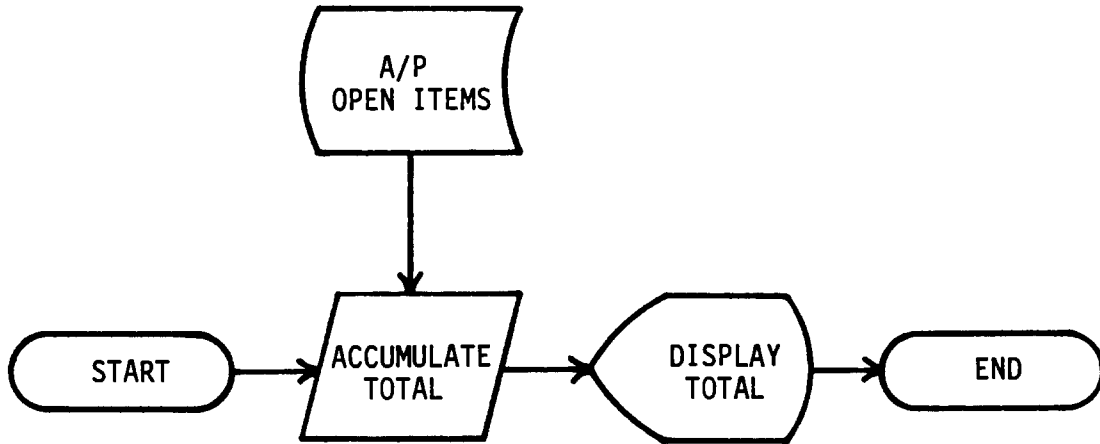
DATE _____

System Logic Flow

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULENAME Display Total Value of A/P Open File (APOCTL)



The Accounts Payable Open Item File (FDAP7) is read and the value of all items is accumulated.

The final total is displayed.

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System Logic Flow

EXHIBIT NO. _____

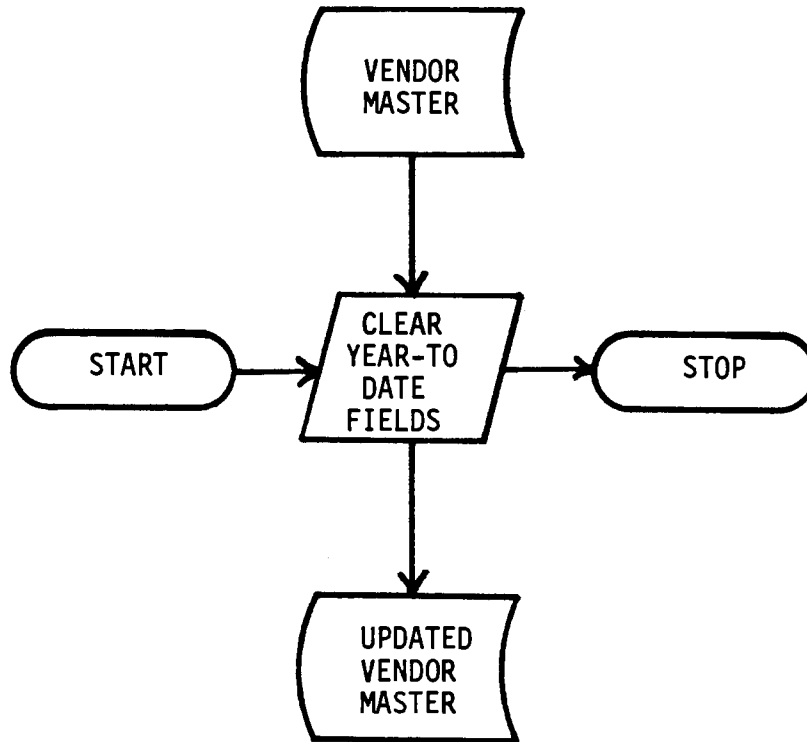
DATE _____

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MODULE NAME Clear Billed YTD and Number of Vouchers YTD (APYREN)



The Vendor Master File (FDAP1) is read and the year-to-date total fields are cleared.

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Program Specifications

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SYSTEM All Systems

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MODULE NAME (Your Program Name)

SINGLE JOB TIME SHARE

FUNCTION Standard Master File Maintenance - Allows maintenance to a Master File
(Additions, Changes, Deletions and Print-out)

INPUT	FILES UPDATED	OUTPUT
KBD	Master File	• Master List
	Index to Master	
	File (a separate file)	

ALSO SEE RELATED FILE DEFINITION(S) Data Entry Specs
 CRT FORMAT(S)
 REPORT FORMAT(S) Individual Specs
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM System Menu WHEN DONE RETURN TO System Menu

PROCEDURE:

1. At initial installation of the system the Master File and its Index file must each be cleared to one control record (containing record count = 1). The rest of the file will be padded with right bracket dummy records.
2. In this Standard Master File Maintenance Module allow the following capabilities:
 1. ADD
 2. CHANGE/INQUIRE
 3. DELETE
 4. PRINT-OUT
3. Put ADD, CHANGE, and DELETE modes in one program. Put the PRINT mode in a separate program. There will be three other programs to support the Main Maintenance Module: Sort, Update Counters after Sort and Purge Records flagged for deletion in delete mode.
4. First initialize both the Main File and Index File in UPDATE mode. Read the Control (first) Record of the Main File and Store the organized record count in the field "BSEND" for Binary Search purposes. Store the maximum # of records allowed for the file in "MAXCNT" for later test on whether an addition will exceed the file's allocated size.
5. Use subroutine "MMENU" to display the title of the module at (1,1) display the menu and get selection of mode ("ADD", "CHANGE/INQUIRE", "DELETE", "PRINT", or "END").

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Program Specifications

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MODULE NAME (Your Program Name)

6. If "PRINT" is selected, stop to the print program (via Sort if so selected).
 7. If "END" stop to the main program select on menu.
 8. For ADD, CHANGE, DELETE display the full screen format (per the individual specs).
 9. If CHANGE or DELETE mode is selected, also display an asterisk beside the key field required to find the record. (See the screen layout with the individual specs.)
 10. If ADD mode is selected, proceed as follows:
 - 10a. Allow entry of the key field.
 - 10b. Verify the record does not already exist (do binary search on the Index). Reject with error message if it does.
 - 10c. Allow entry of the remaining fields per specs of specific program.
 - 10d. When done with last field of record, use subroutine "ANYCN" to ask "ANY CHANGE?" and get "WHAT #?"
 - 10e. When no more changes (or if none at all), write the record at the end of the Master file and add a record to the Index file. Increment the record count in the control record. Watch for record locks if more than one terminal using the file(s).
 - 10f. Clear the data from the screen (but leave the tags) and clear the record area in core.
 - 10g. Go back to 10a and allow the next record to be entered.
 - 10h. Continue additions until "END" is typed in the key field, then go back to the menu (see step 5 above).
- NOTE: One each addition, test that file size is not exceeded. Compare the record count to the maximum # of records allowed. If exceeded, display error message and stop.
11. If in CHANGE/INQUIRE mode, proceed as follows:
 - 11a. Allow entry of the key field.

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Program Specifications

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PROJECT DIBOL-11 Packages SYSTEM All Systems PAGE 3 of 4

MODULE NAME (Your Program Name)

- 11b. Find the record (using binary search on Index*)
*MCBA's Binary Search subroutine will also do a sequential search on the overflow area of the Master File automatically if the record can not be found in the main, ordered part of the file. This makes it possible to CHANGE/INQUIRE a record just added in ADD mode without reorganizing the file first.
- 11c. If you can't find the record, display an error message.
- 11d. When found, display the record's contents on the screen per the full screen format (see individual specs screen layout).
- 11e. Use subroutine "ANYCN" to ask "ANY CHANGE?" and get "WHAT #?".
- 11f. If no more changes (or if none at all), update the record on the disk.
- 11g. Clear the data from the screen (but leave the tags) and clear the record area in core.
- 11h. Go back to step 11a and allow another record to be processed.
- 11i. Continue until "END" is entered in the key field. Then go back to the menu (step 5 above).
12. If in DELETE mode, proceed as follows:
 - 12a. Proceed as in steps 11a thru 11d above.
 - 12b. Ask "IS THIS THE RIGHT RECORD?".
 - 12c. If "Y" put "DEL" in the designated field of the record (per program specs) and update the record in the disk. Zero the record number for this record in the Index File and update the record on the disk. Increment the delete count and update the control record. If delete count goes over 95, stop to "REORG" program.
 - 12d. Display on the bottom line: "RECORD DELETED - CR TO CONTINUE" and accept CR.
 - 12e. Process as in steps 11g to 11i above.
13. If in PRINT mode, proceed as follows:
 - 13a. Using MCBA's "STENO" subroutine, accept the starting and ending #'s to print (also accept "ALL" to print).

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Program Specifications

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PROJECT DIBOL-11 Packages SYSTEM All Systems PAGE 1 of 4

MODULE NAME (Your Program Name) SINGLE JOB TIME SHARE

FUNCTION Standard Trx Entry Module - Allow entry of your Trx file, with editing.
(Allow additions, changes and deletions, plus print an Edit List.)

INPUT	FILESUPDATED	OUTPUT
<u>KBD</u>	<u>Your Trx file</u>	<u>•Edit List</u>
<u>Any Master file (and its</u>		
<u>Index) against which</u>		
<u>fields are to be edited.</u>		

ALSO SEE RELATED FILE DEFINITION(S) Data Entry Specs

CRT FORMAT(S)

REPORT FORMAT(S) Individual Specs

SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM System Menu WHEN DONE RETURN TO System Menu

PROCEDURE:

1. (File to be built should have been cleared to one control record at the end of the last run.)
2. Initialize the Trx file in update mode. Also initialize in input any Master file and its Index file against which Trx fields are to be verified (such as Customer #). Read the first record of the Master file and store the record count in the field "BSEND" for binary search purposes.
3. Use MCBA's subroutine "TMENU" to display the title of the module at (1,1), to display the menu and allow menu selection. The first time thru "ENTER (ADD) NEW TRX" (#1) will be selected. When editing is being done, "CHANGE EXISTING TRX" (#2) or "DELETE EXISTING TRX" (#3) may also be selected. If "PRINT EDIT LIST" (#4) is selected, chain to the edit list PRINT PROGRAM. If "POST TRX" (#5) is selected, chain to the posting job stream (see individual specs on the posting).
4. Display full screen format of all fields to be entered. (See Video Terminal layout and Data Entry Specs accompanying individual specs.)
5. If CHANGE or DELETE mode was selected, also display asterisk beside key fields required to find existing record. (Also see screen layout with individual specs.)

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Program Specifications

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MODULE NAME (Your Program Name)

- 13b. Read the Index sequentially until the starting # is found, then print thru to the ending #. (For "ALL", print whole file.)
- 13c. If "ALL" is printed go back to the menu (step 5 above).
- 13d. Otherwise accept another starting and ending number and go back to step 13b.
14. When the menu is "END"ed, if the number of unsorted records is greater than 50; sort the file. If the delete count is greater than 50, purge the records marked for deletion from the file. Do this "in place" without using a separate work unit. (This would be almost the reverse of our Merge-X routine.)
15. Stop back to the master menu (program selection) program.

NOTE:

Use MCBA's file protection system throughout to handle multi-terminal environment.

NOTE:

The "REORG" program to purge records marked for deletion will only purge 100 records. If more than 100 are purged at one time, the file may get fouled up.

end

6. If in ADD mode, proceed as follows:

6a. Allow entry of all fields per specs of specific program.

6b. Verify any Master File key numbers (such as Customer #) against that Master File (use Binary Search via Index) and display the name or description from the Master File per the screen format.

If no match, display "RECORD NOT FOUND - CR TO RECOVER" on bottom line, and then go back and accept a new key number.

6c. Some TRX types (such as sales) may have a specific key number (such as Customer #9999) assigned as a catch-all number. If this number is entered, instead of searching the Master file, simply allow the Name or Description to be typed in manually (in same place where Name or Description would normally be displayed).

6d. Some fields in Trx may be designated as "default" fields, which means that if the operator Carriage Returns by the fields (without entering any data), the last value entered in that field should be used for this Trx and it should also be displayed where the field would otherwise be entered.

6e. When done with the last field of the Trx, use MCBA's subroutine "ANYCN" to ask "ANY CHANGE?" and get "WHAT #?" if there is.

6f. When no more changes, write the record out to the Trx file. Increment the record count and update the control record. Watch for record locks if more than one terminal is using the file in update mode.

6g. Clear any fields from the Trx record which can not be default fields.

6h. Clear the data from the screen (but leave tags).

6i. Go back to the first field of the Trx and allow the next Trx to be entered.

6j. Continue building Trx until "END" is typed in the first field of the Trx format. Then go back to the menu (step #3 above).

7. If in CHANGE mode, proceed as follows:

7a. Allow entry of key fields (fields required to find record which already exists on Trx file).

- 7b. Find the Trx record on the file. Do this with a sequential search of the file. Take the first record you find with the key as entered.
- 7c. If none found, display error message with CR recovery.
- 7d. Display the found record's contents on the screen per the full format of the Trx.
- 7e. Ask, "IS THIS THE RIGHT RECORD?".
- 7f. If "Y", proceed to ask for changes.
- 7g. If "N", continue search of file looking for another record, same key.
- 7h. If record not found by end of file, display "RECORD NOT FOUND" message on bottom line, with CR recovery.
- 7i. Accept any changes (use subroutine "ANYCN").
- 7j. When no more changes, update record on file.
- 7k. Clear data from screen (but leave tags).
- 7l. Allow key field(s) of next record to be entered and proceed as above.
- 7m. Continue until "END" is entered in the first key field. Then go back to the menu (step #3 above).
8. If in DELETE mode, proceed as follows:
 - 8a. Process as in steps 7a thru 7e and 7g and 7h above.
 - 8b. If "Y" (for RIGHT RECORD?), Put "]]]DEL" in the designated field of the Trx and update the Trx on the file.
 - 8c. Display on bottom line: "RECORD MARKED FOR DELETION - CR TO CONTINUE" and accept CR.
 - 8d. Process as in steps 7k thru 7m above.
9. If PRINT EDIT LIST is selected, print the Edit List of the Trx file per the report layout. Then go back to the menu (step #3 above).

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Program Specifications

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MODULE NAME (Your Program Name)

10. When menu is "END"ed fall thru to chain back to the main system (program selection) menu.

NOTE: Use MCBA's file protection system throughout to handle multi-terminal environment.

end

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MODULE NAME (Your program name) SINGLE JOB TIME SHARE

FUNCTION This is a merge in place routine used to merge Trx into a main file
- in order without using any additional work space.

INPUT	FILESUPDATED	OUTPUT
<u>Trx File</u>	<u>Main File</u>	
<u>Main File</u>		

ALSO SEE RELATED FILE DEFINITION(S) Individual Specs
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM See Individual Specs WHEN DONE RETURN TO See Individual Specs

PROCEDURE:

- Sort your Trx File into same order as main file.
- Read thru the Trx File and count the # of Trx records to be added to the main file. (Be sure not to count first control record on Trx File, or any records marked for deletion.)

(If # of records to be added turns out to be zero, stop)
- Add this to the number of existent records in the Main File to get the new record count for the Main File.
- Then, start reading records from both files backwards (start with the last non-blank record.)
- Compare the key fields and write the higher record (Main or Trx) in the next record of buffer. (Trx record format may need to be converted to Main File format before writing.)
- Working backwards, read, compare and write records in the buffer. When buffer fills, write the buffer records into the Main File and reset the buffer pointers. At the end a new file has been written with all Trx merged into place.
- Be sure to update the new record count of the Main File when done.

end

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME INITAP SINGLE JOB TIME SHARE

FUNCTION Initialize All Accounts Payable Files

INPUT	FILES UPDATED	OUTPUT	VENMAS	VENIDX
<u>KBD</u>			<u>EXPACT</u>	<u>NEWAP</u>
			<u>NEWGLD</u>	<u>GLDIST</u>
			<u>AOPEN</u>	<u>APTOGL</u>
			<u>PRTIAL</u>	

ALSO SEE RELATED FILE DEFINITION(S)
 CRT FORMAT(S)
 REPORT FORMAT(S)
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM Single Job Monitor WHEN DONE RETURN TO Single Job Monitor

PROCEDURE:

INITAP

- Display screen per VTAP1, p. 1 and accept maximum # of records to allow for files.
- Display screen per VTAP1, p. 2 and if there is an interface to G/L, accept maximum of Expense Accounts. Make sure there is room for at least 100 Expense Accounts.
- For each file, write Control Record, then write the number of records specified. Use the right bracket character to pad all of these dummy records.

NOTE: Create index files with the same # of records as the master file.

Build the index file the same way, except don't write a Control Record (write out a Blank Record instead.)

NOTE: Set flags in Control Record of NEWAP, AOPEN and GLDIST files if A/P is to interface to G/L.

DATE 01-APR-78

Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME SETVCH SINGLE JOB TIME SHARE

FUNCTION Sets Starting Voucher Number

INPUT	FILES UPDATED	OUTPUT
KBD	NEWAP	

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM Single Job Monitor WHEN DONE RETURN TO Single Job Monitor

PROCEDURE:

SETVCH

- Open NEWAP (FDAP4) for update.
- Ask "STARTING VOUCHER #".
- Accept the # and put it in the control record of NEWAP in positions 11 to 16.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME APMENU SINGLE JOB TIME SHARE

FUNCTION Master Menu for Program Selection

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>		

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM TSD Supervisor WHEN DONE RETURN TO TSD Supervisor

PROCEDURE:

APMENU

- Display menu per VTAP2.
- Accept selection and stop to appropriate program(s).
- If "END" entered for selection, stop (return to TSD Supervisor).

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME VENMNT SINGLE JOB TIME SHARE

FUNCTION Vendor Master File Maintenance

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>	<u>VENMAS</u>	<u>•Vendor Print-Out</u>
	<u>VENIDX</u>	

ALSO SEE RELATED FILE DEFINITION(S) Standard Master File Maintenance Program Specs.
 CRT FORMAT(S)
 REPORT FORMAT(S)
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

VENMNT

- See file definitions FDAP1 and FDAP2.
- Write a standard master file maintenance module per VTAP3.
- Key field is Vendor #.
- Use NAME = ']]]DEL' as delete flag.

VENPRT

- Write print program per RPTAP1.
- Use STENO to accept start/end Vendor #.
- Include count of vendors on VENMAS file.

ORGVEN

- Purge deleted records by rewriting VENMAS and VENIDX files over themselves, skipping deleted records. Use buffered technique.

SRTIDX

- Sort the index into order by Vendor #.

VENCNT

- Update Control Record counters after a sort.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME VLIST SINGLE JOB TIME SHARE

FUNCTION Print Alphabetical Vendor List

INPUT	FILES UPDATED	OUTPUT
<u>VENMAS</u>		<u>•Alphabetical Vendor List</u>
<u>VENIDX</u>		<u>TVNIDX</u>

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

VLIST

- Build one index record on TVNIDX (FDAP9) for each record on VENMAS (FDAP1) that is not flagged for deletion.
- Write control record to TVNIDX.

STVNLS

- Sort TVNIDX into order by vendor name.

VENLST

- Print Alphabetical Vendor List per RPTAP2. Dump contents of file. Print total at end.
- Delete TVNIDX from the system

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 2

MODULE NAME ACTMNT SINGLE JOB TIME SHARE

FUNCTION Expense Account File Maintenance

INPUT	FILES UPDATED	OUTPUT
KBD		• Account List
EXPACT		

ALSO SEE RELATED FILE DEFINITION(S) Standard Master File Maintenance Program Specs.
 CRT FORMAT(S)
 REPORT FORMAT(S)
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

WRITE A STANDARD MASTER FILE MAINTENANCE MODULE - EXCEPT NO INDEX TO THIS FILE. SEE V7AP4 AND FDAP3.

ACTMNT

- The key field here is the account #. The account # is split into a main # -- 4 digits and a subaccount # -- 3 digits. The subaccount defaults CR to zero.
- Do not allow entry of all blanks in the 1st six characters of description. Use DESCR(25,30) = '000000' as delete flag.

ACTLST

- Dump contents of file per RPTAP3.

ORGACT (Run if delete count greater than 9.)

- To purge deleted records, re-write file over itself, skipping deleted records (when DESCR(25,30) = '000000').

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 2 of 2

MODULE NAME ACTMNT

SRTGLA

- Sort EXPACT into order by account #. Always run when a record has been added so that file is kept in order.

GLACNT

Update counters in EXPACT Control Record after sort.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 3

MODULE NAME NEWAP SINGLE JOB TIMESHARE

FUNCTION New Payables Entry/Editing Module

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>	<u>NEWAP</u>	
<u>VENMAS</u>	<u>NEWGLD</u>	<u>•Accounts Payable Voucher</u>
<u>VENIDX</u>	<u>GLDIST</u>	<u>Edit List</u>
<u>EXPACT</u>	<u>AOPEN</u>	<u>•Accounts Payable Voucher</u>
		<u>Register</u>

ALSO SEE RELATED FILE DEFINITION(S) Standard Transaction Maintenance Module Program Specs.
 CRT FORMAT(S)
 REPORT FORMAT(S)
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

WRITE A STANDARD TRANSACTION ENTRY/EDITING MAINTENANCE MODULE. SEE VTAP5.

NEWAP

- Build NEWAP file (FDAP4).
- Verify vendor # against Master File and display name.
- Default fields
 - 1) Increment voucher # with a CR in ADD mode.
 - 2) Default check date to due date with a CR, if a check # was entered; skip check date with CR, if no check # entered.
- G/L expense account entries: Permit up to 9 entries. Verify G/L account # against EXPACT (FDAP3) and display account description on top line.
- Display a running total of amount distributed. Before ending, check that total amount distributed is equal to invoice amount. If not, go to "ANY CHANGE?".
- Use WNAME = '000000' as delete flag.

VCHEDT/VCHREG

- Write print program per RPTAP4.
- Include total invoice amount and total amount distributed (G/L accounts) which must be identical.

DATE 10-MAY-79

Program Specifications

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MODULE NAME NEWAP

"POST TRX" proceeds as follows:

SRTNAP + VCHREG + DIVNAP + STNAP2 + SRTGLD + UPVMAS + PSTGLD + CLRNGL +
PSTAPO + BLDINT + SRTOUT + PSTINT + CLRNAP.

SRTNAP

- Sort NEWAP into order by voucher number.

VCHREG

- See VCHEDT above. Same format.

DIVNAP

- Sequentially read through NEWAP and create one NEWGLD record for each distribution. See FDAP4 and FDAP5.

STNAP2

- Sort NEWAP into order by:
1) Vendor Number
2) Voucher Number

SNDSRT

- Send SRTGLD position of NEWGLD on DEVICE.DDF and the name of the program to be executed after end of sorting (UPVMAS).

SRTGLD

- Sort NEWGLD into order by:
1) G/L Account Number
2) Voucher Number

UPVMAS

- Sequentially read through NEWAP and VENMAS, matching vendor numbers. Accumulate \$ billed and number of vouchers (from NEWAP) per vendor number.
- Level break on vendor number and update fields in VENMAS (FDAP1).

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Program Specifications

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MODULE NAME NEWAP

PSTGLD

- Post NEWGLD to GLDIST using buffered merge-X technique. See FDAP5 and FDAP6.

CLRNGL

- Clear NEWGLD file with dummy bracket records and control record.

PSTAPO

- Post NEWAP to AOPEN using buffered merge-X technique.

BLDINT

- Check G/L Interface flag in NEWAP control record, and if set, build the temporary G/L Interface Distribution file.
- If no interface, STOP to CLRNAP.

SRTOUT

- Sort the G/L Interface Distribution file into order by transaction type and date.

NOTE: SRTOUT accesses it's INPUT and OUTPUT files automatically on RKØ:. To change these devices, edit SRTOUT.AP and BLDINT.AP to include specified devices in the file specifications and procedure division, respectively, for OUTNEW. Then run through GSORT, compile with SORT.UT, and link.

PSTINT

- The G/L Interface Distribution file is posted to the A/P to G/L Interface file.

CLRNAP

- Clear NEWAP file with dummy bracket records and control record.

DATE 01-APR-78

Program Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME APTBAL SINGLE JOB TIME SHARE

FUNCTION Print Accounts Payable Trial Balance

INPUT	FILESUPDATED	OUTPUT
<u>AOPEN</u>	_____	<u>•Trial Balance</u>
<u>VENMAS</u>	_____	_____
<u>VENIDX</u>	_____	_____

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S) _____

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

APTBAL

- See FDAP1, FDAP2, and FDAP7.
- Accept aging date through CRT. Default to system date on CR.
- Ask if detailed report is desired. If "N", use summary format. (See VTAP6.) Default "YES/NO" answer to "Y".
- Accept starting and ending vendor #'s. (Use "STENO".)
- Print trial balance per RPTAP5.
- Level break on vendor # (AOPEN), verify # against VENMAS, and get vendor name. On a no find, set vendor name to "NOT ON MASTER FILE".
- Use a 30-day month for aging.
- Ignore any prepaid items (AFLAG=2).
- If AFLAG is greater than 7 (partial payment) print "PARTIAL" under the invoice #.
- If AFLAG=6, AFLAG=7 or AFLAG=-1 (unpaid partial), ignore the record.

Program Specifications

DATE _____

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 2MODULE NAME CSHREQ SINGLE JOB TIME SHAREFUNCTION Print Cash Requirements Report

INPUT	FILES UPDATED	OUTPUT
<u>AOPEN</u>	_____	<u>*Cash Requirements Report</u>
<u>VENMAS</u>	_____	_____
<u>VENIDX</u>	_____	_____

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S) _____

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

CSHREQ

- See FDAP1, FDAP2, and FDAP7.
- Accept due-date cut-off and intended payment date (see VTAP7).
- Print cash requirements report per RPTAP6.
- Read AOPEN file sequentially, level breaking on vendor #; search Vendor Master File (via index file) for vendor name.
- For unpaid partials (AFLAG=6, 7 or -1) use payment date for invoice date and due date.
- Skip any record whose due date is greater than the cut-off date.
- If the due date is greater than or equal to the payment date, report the discount (if any) in the discount valid column; if less, report in the discount lost column. For partial payments, the discount is to be automatically taken.
- Report the # of days by comparing the invoice date with the payment date (not system date).
- Do NOT include in the total cash required a vendor with a credit balance (i.e. money/goods owed the user).

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Program Specifications

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SYSTEM AP

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MODULE NAME CSHREQ

- Ignore any prepaid items (AFLAG=2).
- For unpaid partial payments, print "PARTIAL TO BE PAID" across invoice #, invoice date, number of days, and due date fields.
- For paid partial payments, print "PARTIAL PAID ON XX/XX/XX" where XX/XX/XX is the invoice date across the invoice #, invoice date, number of days, and due date fields.

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Program Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME DUEDTE SINGLE JOB TIMESHARE

FUNCTION Allows Changing Invoice Due Date or Discount Amount of Any Open Item

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>	<u>AOPEN</u>	
_____	_____	_____
_____	_____	_____
_____	_____	_____

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

DUEDTE

- Refer to screen layout VTAP8, and file definition FDAP7.
- Accept a key vendor # & voucher #; search file, display record contents when found.
- Accept new Due Date and new Discount Amount. Rewrite the record.
- Accept a CR for both Due Date and new Discount Amount. In each case, have the CR default to the value already in the record.
- Repeat procedure for new vendor and voucher.
- Allow "END" in vendor # to stop.

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Program Specifications

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PROJECT DIBOL Packages

SYSTEM AP

PAGE 1 of 3

MODULE NAME DEFER

SINGLE JOB TIME SHARE

FUNCTION Payment Preparation

INPUT	FILES UPDATED	AOPEN	OUTPUT
KBD			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

DEFER

- Display the menu and accept selection per VTAP9, p. 1.
- If selective payment (#1) is chosen, ask if the user wishes to clear all the select status flags. If he does, defer everything on AOPEN (FDAP7). Set AFLAG=1 if 0, 3, 4 or 5, set AFLAG=6 if it is -1 or 7, and set AFLAG=9 if it is 8. If he does not, continue.
- Display the selective payment sub-menu (VTAP9 p. 3).
- If the edit list is chosen, STOP to PRECHK.
- For selection and cancellation of selection, display VTAP9 p. 7.
- For each vendor/voucher # combination entered, first scan for unpaid partials (AFLAG=6, 7 or -1). If an unpaid partial exists for a voucher, do not change the flags. If no unpaid partials exist for the voucher, change the flags per selection or cancellation of selection.
- If "ALL" vouchers specified proceed as follows:
 - 1) Find the vendor # and back up to the first voucher for the vendor.
 - 2) Use this voucher in the vendor/voucher # combination and proceed as if the voucher # were entered.

- 3) Continue for each voucher until all vouchers for the vendor have been exhausted.
- If "END" is entered for the vendor #, return to the selective payment sub-menu.
 - If deferral payment (#2) is chosen ask the user if he wants to clear all the deferral status flags. Then get the due date cut-offs. If one already exists, display it and ask for any change.
 - Then defer everything after the due date cut-off. If the user wants to clear all deferral flags, undefer (i.e. select) all items before the due date cut-off. Do not change the deferral flags for vouchers with unpaid partials (AFLAG=6, 7 or -1).
 - Display the deferral payment sub-menu (VTAP9 p. 6) and proceed as with selective payment. Deferral is the same as cancellation of selection and cancellation of deferral is the same as selection.

PRECHK

- Accept the intended payment date per VTAP12. Default date CR to the system date.
- Print Pre-Check-Writing Report per RPTAP8.
- Read file sequentially; ignore records flagged with 1, 2, or 9. Level break on vendor #.
- If for any vendor, the sum of total invoice amount and discounts taken is less than or equal to zero, print "***NO CHECK**" under "NET PAYABLE" column.
- For paid partials (AFLAG=8) print "PARTIAL PAID ON XX/XX/XX", where XX/XX/XX is the invoice date, across the invoice #, invoice date and due date fields.
- For unpaid partials (AFLAG=6 or 7) print "PARTIAL TO BE PAID" across the invoice #, invoice date and due date fields.

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Program Specifications

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MODULE NAME DEFER

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 2

MODULE NAME PARTPY SINGLE JOB TIME SHARE

FUNCTION Partial Payments Entry/Editing Module

INPUT	FILES UPDATED	OUTPUT
KBD		
AOPEN	PRTIAL	• Partial Payments Edit List
VENIDX		• Partial Payments Register
VENMAS		

ALSO SEE RELATED FILE DEFINITION(S) Standard Transaction Maintenance Module Program Specs.
 CRT FORMAT(S)
 REPORT FORMAT(S)
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

WRITE A MODIFIED TRANSACTION ENTRY/EDITING MAINTENANCE MODULE. SEE VTAP10.

PARTPY

- Find voucher (by vendor # and voucher #) on AOPEN File (FDAP7).
- Create PRTIAL (FDAP10) with AOPEN data plus data entered.
- Use PINVDT='000000' as delete flag.
- Add "6. REMOVE POSTED PARTIAL" to the menu. This will STOP to DELPRT. (See separate Program Specifications.)

PRTEDT

- Write print program ("Partial Payments Edit List") per RPTAP7.
- Dump contents of PRTIAL and print totals.

"POST TRX" proceeds as follows:

S RTPRT + PRTREG + PSTPRT + CLRPT

S RTPRT

- Sort PRTIAL into order by vendor # and voucher #.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 2 of 2

MODULE NAME PARTPY

PRTREG

- See PRTEDT above. Same format, except title is "Partial Payments Register".

PSTPRT

- Post PRTIAL records into APOPEN using merge-X technique.
- For each PRTIAL record put into APOPEN, flag all associated (same vendor # and voucher #) APOPEN records for deferral (i.e. 0, 3, 4 and 5 become 1, and 8 becomes 9).

CLRPRT

- Clear PRTIAL file with dummy bracket records and control record.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME DELPRT SINGLE JOB TIME SHARE

FUNCTION Delete Partial Payments from A/P Open Item File

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>	<u>AOPEN</u>	

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S) _____

ENTER MODULE FROM TSD Supervisor WHEN DONE RETURN TO APMENU

PROCEDURE:

DELPRT

- Accept vendor # and voucher # per VTAP11.
- Find first record in AOPEN with this key.
- Sequentially display unpaid partials with this key, asking "RIGHT PARTIAL?".
- If yes, set AINVNO = ']]]DEL' to flag as deleted. Read through all the records with the same key. If there is not still a valid unpaid partial (AFLAG = 6 or 7 and not deleted), then undefer all records with the same key. (i.e. set AFLAG = 0 for 1's and AFLAG = 8 for 9's.) Otherwise leave all items deferred.
- Accept the next key.

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Program Specifications

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SUBJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 3

MODULE NAME ALAPCK SINGLE JOB TIMESHARE

FUNCTION Write Checks; Print Check Register; Clear Open Item File of Paid Items
and Clear All Flags

INPUT	FILES UPDATED	OUTPUT
<u>KBD</u>	<u>AOPEN</u>	<u>• Checks</u>
<u>VENMAS</u>		<u>• Check Register</u>
<u>VENIDX</u>		

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

ALAPCK

- Display "MOUNT CHECK FORMS ON PRINTER": accept "DONE".
- Print X's in one complete check form for alignment (see RPTAP9).
- Display "PRINT ANOTHER ?" and accept "Y" or "N".

APCHEK

- Accept check date, starting check #, and starting vendor # per YTAP13. Default date CR to system date. Default vendor # to "ALL".
- Read AOPEN sequentially; skip records flagged with a 1, 2 or 9; skip records having a vendor # less than the starting #. Compare the due date to the check date and take the discount if paid before due date. If a partial payment, however, just take the discount specified.
- Accumulate vendor totals. If vendor total is less than or equal to zero and there are unpaid partials for the vendor, change flags as follows:
 - 1) Set all 6 and 7 to -1.
 - 2) Set all 8 to 9.
 - 3) Set all 0, 3, 4 and 5 to 5.

If the vendor total is zero and there are no unpaid partials, set all 0, 3, 4 and 5 to 4, and all 8 to 9. If the vendor total is less than zero and there are no unpaid partials, set all 0, 3, 4 and 5 to 5 and all 8 to 9.

- Then reread AOPEN file to print checks.
- Read AOPEN file sequentially; skip records flagged with a 1, 2, 4, -1, 5 or 9; skip records having a vendor # less than the starting #. Compare the due date to the check date. If the record is a partial payment, however, just take the discount specified.
- After an item is printed on the check stub, set AFLAG = 3 if 0 and AFLAG = 7 if 6. Set ACHKNO to the check # and update the record.
- Display "ARE ALL CHECKS SATISFACTORY ?" after the last check is printed. If "N", stop back to APMENU. If "Y", reread the file setting the due date field to the check date for all records with AFLAG = 3 or 7. Set the discount amount to zero if the discount was lost. If AFLAG = 6 or 7 (partial) set the invoice date to the check date.

APCKRG

- Display "MOUNT REGULAR PAPER ON PRINTER"; accept "DONE".
- Print the Accounts Payable Check Register per RPTAP10 and post relevant amounts to the A/P to G/L Interface file after first checking flag in AOPEN file. (See FDAP8 and FDGL10, p. 1-2.)
- For first half of report, use all records with AFLAG = 2.
- Reread file, select AFLAG = 3, 7 or 8 items. Print grand total.
- At end, the prepaid check amounts, prepaid discounts taken, regular check amounts and regular discounts taken are accumulated into the APTOGL interface file.

CLRPDS

- Eliminate paid items and clear deferment flags from AOPEN as follows:
 - 1) Use buffered technique of writing file over itself in place.

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Program Specifications

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MODULE NAME ALAPCK

2) Eliminate items flagged with 2, 3 or 4. If 3 or 4, check if there are any records with the same vendor and voucher #. Delete them if so.

(If paid partial payments have been applied against a voucher and the remaining balance of the voucher was paid via "Payment Preparation" (items flagged 3 or 4), all records with the same vendor and voucher number should be deleted from the AOPEN file including partial payment records.)

3) If AFLAG = 7, set AFLAG to 8 and reverse the sign on discount amount and invoice amount.

4) Set flags 1 and 5 to 0, and flag 9 to 8.

5) Eliminate any records with AINVNO = ']]]DEL'. (Delete Flag set in DELPRT.)

6) Set flags of -1 to 6.

7) Update the control record, clear the due date cut-off, and write it out.

8) Write bracket records to replace the deleted records.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME VENANL SINGLE JOB TIME SHARE

FUNCTION Print Vendor Analysis Report

INPUT	FILESUPDATED	OUTPUT
<u>VENMAS</u>	_____	<u>• Vendor Analysis Report</u>
<u>VENIDX</u>	_____	_____
_____	_____	_____
_____	_____	_____

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S)
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

VENANL

- See file definitions FDAP1 and FDAP2.
- Write print program per RPTAP11.
- Read file once through to get total amount billed and total invoices.
- Reread file; search Master File for name; compute % and averages.
- At end, print grand totals.

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Program Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME APGLCR SINGLE JOB TIMESHARE

FUNCTION Print G/L Distribution Cross Reference Report; Purge File Through
Report Ending Dates

INPUT	FILES UPDATED	OUTPUT
<u>EXPACT</u>	<u>GLDIST</u>	<u>G/L Distribution</u>
	<u>APTOGL</u>	<u>Cross Reference Report</u>

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S) _____

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

APGLCR

- Accept report ending date. Default CR to system date.
- Ask if detailed report is desired. (See VTAP12.) If no, use the summary format.
- Print report per RPTAP12.
- Read GLDIST (FDAP6) sequentially; level break on G/L account #. Search EXPACT (FDAP3) for account description.
- Ignore records where Invoice Date is greater than Report Date.
- Print all detail of record.
- After printing, display message "PURGE FILE THROUGH REPORT DATE?"
If "N" stop.
- If "Y", post the relevant amounts specified on FDGL10 page 1-2 to the A/P to G/L Interface file FDAP8 (check the flag in the GLDIST file Control Record first) and then rewrite the GLDIST file over itself. Write only records where Invoice Date is greater than Report Date.

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Program Specifications

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MODULE NAME PURGAP

SINGLE JOB TIME SHARE

FUNCTION Purge Payables

INPUT

KBD
VENMAS
VENIDX

FILESUPDATED

AOPEN

OUTPUT

PURGAP
• A/P Open Purge Report

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM APMENU WHEN DONE RETURN TO APMENU

PROCEDURE:

PURGAP

- Display screen per VTAP15.
- Accept the vendor #. If "END" stop to PRGPRT.
- Otherwise, display the name from VENMAS (FDAP1) and accept the voucher #.
Display the first record with this vendor/voucher # and ask "RIGHT
VOUCHER?".
- When right voucher found, put the record # in an array and display the
voucher #, amount and running total. Accept the next voucher #.
- When 10 vouchers entered, or when "END" entered for the voucher #, test
the accumulated total.
- If it is not zero, reject the data with an error message and return to
the beginning.
- If the accumulated total is zero, add each AOPEN (FDAP7) record saved
in the record # array to PURGAP (FDAP11) and flag each record in AOPEN
for purging.

NOTE: PURGAP is to be opened in output mode.

- Return to the beginning for the next vendor #.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 2 of 2

MODULE NAME PURGAP

PRGPRT

- Write a print program per RPTAP13.
- After the report has been printed, remove all records from AOPEN that are flagged for purging. Sequentially read through the file and write it back in place, skipping the records to be removed.
- Delete PURGAP file from the system.

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Program Specifications

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME APOCTL SINGLE JOB TIMESHARE

FUNCTION Display Total Value of A/P Open File on Screen

INPUT	FILES UPDATED	OUTPUT
<u>AOPEN</u>		<u>•Total on Screen</u>

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S) _____

ENTER MODULE FROM TSD Supervisor WHEN DONE RETURN TO TSD Supervisor

PROCEDURE:

APOCTL

- Read through AOPEN sequentially. Skip records where AFLAG=2, 6, 7 or -1. Add all other invoice amounts to accumulator.
- When done, display total value in middle of screen and stop.

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Program Specifications

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PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

MODULE NAME APYREN SINGLE JOB TIME SHARE

FUNCTION Clear Billed \$ Year-to-Date and Number of Vouchers Year-to-Date from VENMAS

INPUT	FILESUPDATED	OUTPUT
	VENMAS	

ALSO SEE RELATED FILE DEFINITION(S) _____
 CRT FORMAT(S) _____
 REPORT FORMAT(S) _____
 SYSTEM LOGIC FLOW(S)

ENTER MODULE FROM TSD Supervisor WHEN DONE RETURN TO TSD Supervisor

PROCEDURE:

APYREN

- Display "CLEAR YTD FIELDS ON VENDOR MASTER FILE."
- Ask "ARE YOU SURE YOU WANT TO CLEAR THESE FIELDS ?" If "N", stop.
- If "Y", sequentially read through Vendor Master (FDAP1) setting BILYTD and NOVYTD to zero.
- When done, stop.

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File Definition

EXHIBIT NO. FDAP1

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<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILE NAME VENMAS	RECORD NAME VENMAS	RECORD SIZE 115+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	---------------------	-----------------------	----------------------	-------------------------	--------------------------	--

DESCRIPTION Vendor Master File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below)

FIELD DESCRIPTION	FIELDNAME	TYPE/SIZE	FORMAT
Vendor #	VENNO	D4	
Name	NAME	A25	
Address Line 1	ADD1	A25	
Address Line 2	ADD2	A25	
City	CITY	A15	
State	STATE	A2	
Zip	ZIP	D5	
Total \$ Billed YTD	BILYTD	D10	\$XX,XXX,XXX.XX-
Total # Vouchers YTD	NOVYTD	D4	
Control Record			
Dummy Space		A97	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

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File Definition

EXHIBIT NO. FDAP2

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<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILENAME VENIDX	RECORDNAME VENIDX	RECORDSIZE 8 + 2	LOGICAL DEVICE	PHYSICAL DEVICE	
---	---------------------------	-----------------------------	----------------------------	----------------	-----------------	--

DESCRIPTION Index for Vendor Master File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
Vendor #	IVENNO	D4	
Record # in VENMAS File	IRECNO	D4	

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File Definition

EXHIBIT NO. FDAP3

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<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILENAME EXPACT	RECORDNAME EXPACT	RECORDSIZE 37+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	--------------------	----------------------	--------------------	-------------------------	--------------------------	--

DESCRIPTION Expense Account Description File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below)

FIELD DESCRIPTION	FIELDNAME	TYPE/SIZE	FORMAT
Account #	ACTNO	D7	XXXX - XXX
Description	DESCR	A30	
<u>Control Record</u>			
Dummy Space		A19	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

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File DefinitionEXHIBIT NO. FDAP4PROJECT DIBOL - 11 PackagesSYSTEM APPAGE 1 OF 1

<input type="checkbox"/> PERMANENT	FILENAME	RECORD NAME	RECORD SIZE	LOGICAL DEVICE	PHYSICAL DEVICE
<input checked="" type="checkbox"/> TEMPORARY	NEWAP	NEWAP	220 + 2	-----	-----

DESCRIPTION New Accounts Payable Transaction FileIS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT BELOW)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
Voucher #	WVCHNO	D6	
Vendor #	WVENNO	D4	
Vendor Name	WNAME	A25	
Invoice #	WINVNO	A8	
Invoice Date	WINVDT	D6	MMDDYY
Invoice Amount	WINVAM	D8	\$XXX,XXX.XX-
Non-Discountable Amount	WNDISC	D7	\$ XX,XXX.XX-
Discount Percent	WDPCT	D3	XX.X%
Discount Amount	WDAMT	D6	\$ X,XXX.XX-
Due Date	WDUDTE	D6	* MMDDYY
Check #	WCHKNO	D6	**
Distribution Account #'s	WDACTS	9D7	XXXX-XXX
Distribution Amounts	WDAMTS	9D8	\$XXX,XXX.XX-
* On Prepays, the Check # goes in the Due Date.			
** For Prepays only.			
<u>Control Record</u>			
Dummy Space		A34	
G/L Interface Flag		D1	0 - No Interface 1 = Interface
Dummy Space		A167	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

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File Definition

EXHIBIT NO. FDAP5

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 OF 1

<input type="checkbox"/> PERMANENT <input checked="" type="checkbox"/> TEMPORARY	FILENAME NEWGLD	RECORDNAME NEWGLD	RECORDSIZE 39+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	--------------------	----------------------	--------------------	-------------------------	--------------------------	--

DESCRIPTION New G/L Distribution Trx File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
G/L Account #	NGACNO	D7	XXXX-XXX
Voucher #	NGVCNO	D6	
Vendor #	NGVENO	D4	
Invoice #	NGINNO	A8	
Invoice Date	NGINDT	D6	MMDDYY
Amount	NGAMT	D8	\$XXX,XXX.XX-
<u>Control Record</u>			
Dummy Space		A21	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

01-APR-78

DATE _____

File DefinitionEXHIBIT NO. FDAP6PROJECT DIBOL - 11 PackagesSYSTEM APPAGE 1 OF 1

<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILE NAME GLDIST	RECORD NAME GLDIST	RECORD SIZE 39+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	---------------------	-----------------------	---------------------	-------------------------	--------------------------	--

DESCRIPTION General Ledger Distribution FileIS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
G/L Account #	GACTNO	D7	XXXX-XXX
Voucher #	GVCHNO	D6	
Vendor #	GVENNO	D4	
Invoice #	GINVNO	A8	
Invoice Date	GINVDT	D6	MMDDYY
Amount	GAMT	D8	\$XXX,XXX.XX-
<u>Control Record</u>			
Dummy Space		A16	
G/L Interface Flag		D1	0 = No Interface 1 = Interface
Dummy Space		A22	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

DATE 01-APR-78**File Definition**EXHIBIT NO. FDAP7PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 OF 2

<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILENAME AOPEN	RECORDNAME AOPEN	RECORDSIZE 51+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	-------------------	---------------------	--------------------	-------------------------	--------------------------	--

DESCRIPTION Accounts Payable Open Item FileIS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT ON PAGE 2)

FIELD DESCRIPTION	FIELDNAME	TYPE/SIZE	FORMAT
Vendor #	AVENNO	D4	
Voucher #	AVCHNO	D6	
Invoice #	AINVNO	A8	
Invoice Date	AINVDT	D6	MMDDYY
Invoice Amount	AINVAM	D8	\$XXX,XXX.XX-
Discount Amount	ADSCAM	D6	\$ X.XXX.XX-
Due Date/Check Date *	ADUDTE	D6	MMDDYY
Defer/Paid Flag	AFLAG	D1	**
Check #	ACHKNO	D6	

* When paid (and for prepaids), the Check Date replaces the Due Date.

**

- Ø = Regular DR/CR Voucher
- 1 = Deferred DR/CR Voucher
- 2 = Prepaid Voucher
- 3 = Paid Voucher
- 4 = Ø Total Vendor
- 5 = CR Total Vendor
- 6 = Unpaid Partial Payment
- 7 = Paid Partial-Temp
- 8 = Paid Partial-Permanent
- 9 = Deferred Partial
- 1 = Deferred Unpaid Partial
(Ø or CR total Vendor)

01-APR-78

FDAP7

DATE _____

EXHIBIT NO. _____

File DefinitionPROJECT DIBOL - 11 Packages SYSTEM AP PAGE 2 OF 2

<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	FILENAME AOPEN	RECORD NAME AOPEN	RECORD SIZE 51+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	-------------------	----------------------	---------------------	-------------------------	--------------------------	--

DESCRIPTION Accounts Payable Open Item FileIS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below.)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
<u>Control Record</u>			
Dummy Space		A16	
G/L Interface Flag		D1	Ø = No Interface I = Interface
Dummy Space		A34	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DELCNT	D3	

DATE 8-MAR-79**File Definition**EXHIBIT NO. FDAP8PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 of 1

<input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	MAX. NO. RECORDS APTOGL	RECORD SIZE 16 + 2	FILE NAME	LOGICAL UNIT NO.	SEGMENTS	MAIN SYSGEN
---	----------------------------	-----------------------	-----------	------------------	----------	-------------

REMARKS A/P to G/L Interface File

CODE	FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
	Transaction Type	TRXTYP	D1	1-5 *
	Transaction Date	TRXDAT	D6	
	Transaction Amount	TRXAMT	D9	
	Transaction Type	TRXTYP	D1	Always = 6 *
	Expense Account	TRXACT	D7	
	Expense Amount	TRXAMT	D8	
	** CONTROL RECORD **			
	Purge Date	PRGDAT	D6	
	Record Count	INTREC	D5	
	Maximum Number of Records	INTMAX	D5	

*** Transaction Types:**

- 1 = New A/P Added (B5)
- 2 = Prepaid Checks (B1)
- 3 = Prepaid Discount (B2)
- 4 = Regular Checks (B3)
- 5 = Regular Discounts (B4)
- 6 = Expense Distributions (B6)

Summary post by date for transaction types 1-5. Summary post by G/L Account Number for type 6.

DATE 01-APR-78

File Definition

FDAP9

EXHIBIT NO. _____

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 OF 1

<input type="checkbox"/> PERMANENT	FILENAME	RECORDNAME	RECORDSIZE	LOGICAL DEVICE	PHYSICAL DEVICE	
<input checked="" type="checkbox"/> TEMPORARY	TVNIDX	TVNIDX	29+2	-----	-----	

DESCRIPTION Temporary Index of Vendor Master File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below)

FIELD DESCRIPTION	FIELDNAME	TYPE/SIZE	FORMAT
Vendor Name	TIVNAM	A25	
Record # on Master File	TIRCNO	D4	
Control Record			
Dummy Space		A16	
# of Records in File	TREC	D5	
Dummy Space		A8	

DATE 01-APR-78

File Definition

EXHIBIT NO. FDAP11

PROJECT DIBOL - 11 Packages

SYSTEM

AP

PAGE 1 OF 1

DATE 01-APR-78**File Definition**EXHIBIT NO. FDAP10PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 OF 1

<input type="checkbox"/> PERMANENT <input checked="" type="checkbox"/> TEMPORARY	FILE NAME PRTIAL	RECORD NAME PRTIAL	RECORD SIZE 58+2	LOGICAL DEVICE -----	PHYSICAL DEVICE -----	
---	---------------------	-----------------------	---------------------	-------------------------	--------------------------	--

DESCRIPTION Partial Payments FileIS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT below.)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
Vendor #	PVENNO	D4	
Voucher #	PVCHNO	D6	
Invoice #	PINVNO	A8	
Invoice date	PINVDT	D6	MMDDYY
Invoice amount	PINVAM	D8	\$XXX,XXX.XX -
Invoice discount	PDSCAM	D6	\$ X,XXX.XX -
Due Date	PDUOTE	D6	MMDDYY
Partial Payment Amount	PPYAMT	D8	\$XXX,XXX.XX
Partial Payment Discount	PPYDSC	D6	\$ X,XXX.XX
<u>Control Record</u>			
Dummy Space		A40	
# of Sorted Records in File	ORGCNT	D5	
# of Records in File	RECCNT	D5	
Max. # of Records Possible	MAXCNT	D5	
# of Rec. Flagged for Deletion	DECCNT	D3	

DATE 01-APR-78

File Definition

EXHIBIT NO. FDAP11

PROJECT DIBOL - 11 Packages SYSTEM AP PAGE 1 OF 1

<input type="checkbox"/> PERMANENT <input checked="" type="checkbox"/> TEMPORARY	FILE NAME PURGAP	RECORD NAME PURGAP	RECORD SIZE 44 + 2	LOGICAL DEVICE	PHYSICAL DEVICE RKØ	
---	---------------------	-----------------------	-----------------------	----------------	------------------------	--

DESCRIPTION A/P Open Purged Items File

IS THE FIRST RECORD OF THIS FILE USED AS A CONTROL RECORD NO YES (SEE SEPARATE LAYOUT ON PAGE)

FIELD DESCRIPTION	FIELD NAME	TYPE/SIZE	FORMAT
Vendor #	PVENNO	D4	
Voucher #	PVCHNO	D6	
Invoice #	PINVNO	A8	
Invoice date	PINVDT	D6	MMDDYY
Invoice amount	PINVAM	D8	\$XXX,XXX.XX -
Invoice discount	PSDCAM	D6	\$ X,XXX.XX -
Due Date	PDUOTE	D6	MMDDYY
<u>Control Record</u>			
Dummy Space		A31	
# of Records in File	RECCNT	D5	
Dummy Space		A8	

Accounts Payable Check

COMPUTER
CHECK NO.

PRE-PRINTED
STUB NO.

YOUR INVOICE NO.	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT	CHECK TOTAL

CHECK NO.

DATE

AMOUNT OF CHECK

PAY TO THE ORDER OF

Date: MAY-80

V I D E O T E R M I N A L F O R M A T

Version: DIBOL-11 Disk System: A/P

Release: 5

Program: INITAP

1	INITIALIZE A/P FILES
2	
3	
4	PLEASE ENTER THE MAX # RECORDS
5	
6	TO ALLOW FOR EACH FILE BELOW:
7	
8	1. VENDOR MASTER XXXX
9	
10	2. EXPENSE ACCOUNTS XXXX
11	
12	3. NEW PAYABLES TRX XXXXX
13	
14	4. NEW G/L DIST TRX XXXXX
15	
16	5. G/L DISTRIBUTION XXXXX
17	
18	6. A/P OPEN XXXXX
19	
20	7. PARTIAL PAYMENTS XXXXX
21	
22	8. G/L INTERFACE
23	
24	ANY CHANGE ? X

8.1

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: VENPRT

Report: VENDOR FILE PRINT-OUT

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME					PAGE XXX	
VENDOR FILE PRINT-OUT								
NO	NAME	ADDRESS-1	ADDRESS-2	CITY	ST	ZIP	PURCHASES-YTD	#VCH
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXX	XX,XXX,XXX.XX-	XXXX
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXX	XX,XXX,XXX.XX-	XXXX
X.XXX VENDORS ON FILE								

9.1

Date: MAY-80

R E P O R T F O R M A T

Page 1 of 1

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: VENLST

Report: ALPHABETICAL VENDOR LIST

RUN DATE: XX-XXX-XX	YOUR COMPANY NAME						PAGE XXX
ALPHABETICAL VENDOR LIST							
NAME	NO	ADDRESS-1	ADDRESS-2	CITY	ST	ZIP	
XXXXXXXXXXXXXXXXXXXXXXXX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXX	
XXXXXXXXXXXXXXXXXXXXXXXX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXX	
XXXXXXXXXXXXXXXXXXXXXXXX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XX	XXXXX	
X,XXX VENDORS ON FILE							

9.2

Date: MAY-80

R E P O R T F O R M A T

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: VCHREG
(AND VCHEDT)

Report: ACCOUNTS PAYABLE VOUCHER REGISTER
(AND EDIT LIST)

YOUR COMPANY NAME													PAGE XXX	
ACCOUNTS PAYABLE VOUCHER REGISTER														
VOUCHER		VENDOR			INVOICE		NON-DISC	DISC	DUE	CHECK	DISTRIBUTION			
NO	NO	NAME	NO	DATE	AMOUNT	AMOUNT		DATE	NO	G/L-ACCT	AMOUNT			
XXXXXX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	X,XXX.XX-	XX/XX/XX	XXXXXX	XXXX-XXX	XXX,XXX.XX-	XXXX-XXX	XXX,XXX.XX-	
XXXXXX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX	XX.XX	XX/XX/XX	XXXXXX	XXXX-XXX	XXX,XXX.XX-	XXXX-XXX	XXX,XXX.XX-	
X,XXX REGULAR ENTRIES											REGULAR TOTAL (NET CHANGE TO A/P):	XX,XXX,XXX.XX-	REGULAR DISTRIBUTION TOTAL:	XX,XXX,XXX.XX-
X,XXX PREPAID ENTRIES											PRE-PO TOTAL (NET CHANGE TO CASH):	XX,XXX,XXX.XX-	PREPAID DISTRIBUTION TOTAL:	XX,XXX,XXX.XX-
X,XXX TOTAL ENTRIES											GRAND INVOICE TOTAL:	XX,XXX,XXX.XX-	GRAND G/L DISTRIBUTION TOTAL:	XX,XXX,XXX.XX-

Remarks: THE VOUCHER EDIT LIST HAS THE SAME FORMAT; ONLY THE REPORT TITLE ON LINE 3 DIFFERS.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: APTBAL

Report: ACCOUNTS PAYABLE AGED TRIAL BALANCE

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME						PAGE XXX			
ACCOUNTS PAYABLE AGED TRIAL BALANCE											
AS OF XX/XX/XX											
VENDOR		VOUCHER		INVOICE		AGED INVOICE AMOUNT				DISCOUNT	DUE
NO	NAME	NO	NO	DATE	CURRENT	31-60 DAYS	61-90 DAYS	OVER-90 DAYS	AMOUNT	DATE	
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX	
		XXXXXX	PARTIAL	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-		
		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX	
		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX	
		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX	
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX	
VENDOR TOTAL: X,XXX,XXX.XX(CR)		VENDOR SUBTOTALS:		XXXX,XXX.XX-	XXXX,XXX.XX-	XXXX,XXX.XX-	XXXX,XXX.XX-	XX,XXX.XX-			
GRAND TOTAL: X,XXX,XXX.XX(CR)		GRAND SUBTOTALS:		XXXX,XXX.XX-	XXXX,XXX.XX-	XXXX,XXX.XX-	XXXX,XXX.XX-	XX,XXX.XX-			

Remarks: USE THIS FORMAT TO SHOW DETAIL.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: APTBAL

Report: ACCOUNTS PAYABLE AGED TRIAL
BALANCE SUMMARY

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME				PAGE XXX		
ACCOUNTS PAYABLE AGED TRIAL BALANCE SUMMARY								
AS OF XX/XX/XX								
VENDOR		AGED-SUB-TOTALS				VENDOR	VALID	NET
NO	NAME	CURRENT	31-60 DAYS	61-90 DAYS	OVER 90 DAYS	TOTAL	DISCOUNTS	TOTAL
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-
X,XXX	VENDORS	GRAND TOTALS:	X,XXX,XXX.XX-	X,XXX,XXX.XX-	X,XXX,XXX.XX-	X,XXX,XXX.XX-	XXX,XXX.XX-	X,XXX,XXX.XX-

Remarks: USE THIS FORMAT FOR THE SUMMARY REPORT.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: CSHREQ

Report: CASH REQUIREMENTS REPORT

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME										PAGE XXX
CASH REQUIREMENTS REPORT												
AS OF XX/XX/XX FOR PAYMENT ON XX/XX/XX												
VENDOR NO	NAME	VOUCHER NO	INVOICE NO	DATE	DAYS AGED	DUE DATE	INVOICE AMOUNT	DISCOUNT VALID	DISCOUNT LOST	NET AMOUNT	NOTES	
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-		
		XXXXXX	PARTIAL PAID ON XX/XX/X				XXX,XXX.XX-	XX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-		
		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-		
VENDOR TOTALS:							X,XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX,XXX.XX-		
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	PARTIAL TO BE PAID				XXX,XXX.XX-	XX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-		
		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX-	XX,XXX.XX-	XXX,XXX.XX-		
VENDOR TOTALS:							X,XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-	X,XXX,XXX.XX-		
TOTAL ALL VENDORS:							X,XXX,XXX.XX-	XXX,XXX.XX-	XXX,XXX.XX-			
TOTAL CASH REQUIRED:							X,XXX,XXX.XX-					

Remarks: CREDIT BALANCES ARE NOT INCLUDED IN THE TWO BOTTOM LINE TOTALS.

Date: MAY-80

R E P O R T F O R M A T

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: PRTREG/
PRTEDT

Report: PARTIAL PAYMENTS REGISTER
(EDIT LIST)

RUN DATE: XX-XXX-XX										YOUR COMPANY NAME										PAGE XXX																
PARTIAL PAYMENTS REGISTER																																				
VENDOR										VOUCHER					INVOICE					DUE					PARTIAL PAYMENT											
NO	NAME		NO	NO	DATE	AMOUNT	DISCOUNT	DATE	AMOUNT	DISCOUNT	NET																									
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX,XX-	X,XXX,XX-	XX/XX/XX	XXX,XXX,XX	X,XXX,XX	XXX,XXX,XX																									
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX,XX-	X,XXX,XX-	XX/XX/XX	XXX,XXX,XX	X,XXX,XX	XXX,XXX,XX																									
X,XXX ENTRIES										GRAND TOTALS:										XXX,XXX,XX	X,XXX,XX	XXX,XXX,XX														

Remarks: EDIT LIST HAS THE SAME FORMAT EXCEPT THAT THE WORDS "EDIT LIST" REPLACE "REGISTER" IN THE REPORT TITLE.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: PRECHK

Report: ACCOUNTS PAYABLE PRE-CHECK-WRITING REPORT

RUN DATE: XX-XXX-XX			YOUR COMPANY NAME					PAGE XXX	
ACCOUNTS PAYABLE PRE-CHECK WRITING REPORT									
FOR PAYMENT ON XX/XX/XX									
VENDOR NO	VOUCHER NO	INVOICE NO	INVOICE DATE	DUE DATE	INVOICE AMOUNT	DISCOUNT TAKEN	NET PAYABLE		
XXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XX-		
	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XXCR		
	XXXXXX	PARTIAL PAID ON XX/XX/XX			XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XXCR		
	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XXCR		
	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XXCR		
	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XXX,XXX.XXCR		
VENDOR TOTALS:					X,XXX,XXX.XX-	XX,XXX.XX-	X,XXX,XXX.XX-		
XXXX	XXXXXX	PARTIAL TO BE PAID			XXX,XXX.XX	X,XXX.XX	XXX,XXX.XX		
	XXXXXX	XXXXXXXXXX	XX/XX/XX	XX/XX/XX	XXX,XXX.XX	X,XXX.XX	XXX,XXX.XX		
GRAND TOTALS:					X,XXX,XXX.XX	XX,XXX.XX	X,XXX,XXX.XX		

9.9

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: APCKRG

Report: ACCOUNTS PAYABLE CHECK REGISTER

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME						PAGE XXX			
ACCOUNTS PAYABLE CHECK REGISTER											
CHECK NO	DATE	NO	NAME	VOUCHER NO	VENDOR INVOICE#	INVOICE DATE	INVOICE AMOUNT	DISCOUNT AMOUNT	CHECK AMOUNT		
XXXXXX	XX/XX/XX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
				XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-		XXX,XXX.XX-		
				XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
CHECK TOTALS:							X,XXX,XXX.XX-	XXX,XXX.XX	X,XXX,XXX.XX		
XXXX PREPAID CHECKS				TOTAL PRE-PAID CHECK :					X,XXX,XXX.XX	XXX,XXX.XX	X,XXX,XXX.XX
XXXXXX	XX/XX/XX	XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
				XXXXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
				XXXXXX	PART PAID ON	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
				XXXXXX	PART PAID ON	XX/XX/XX	XXX,XXX.XX-	XX,XXX.XX	XXX,XXX.XX		
CHECK TOTALS:							X,XXX,XXX.XX	XXX,XXX.XX	X,XXX,XXX.XX		
XXXX COMPUTER CHECKS				TOTAL COMPUTER CHECKS:					X,XXX,XXX.XX	XXX,XXX.XX	X,XXX,XXX.XX
XXXX PREPAID AND COMPUTER CHECKS				TOTAL ALL CHECKS:					X,XXX,XXX.XX	XXX,XXX.XX	X,XXX,XXX.XX

11.9

REPORT FORMAT

Version: DIBOL-11 Disk System: A/P Release: 5 Program: VENANL Report: VENDOR ANALYSIS REPORT

NO	NAME	TOTAL \$	BILLED YTD	% OF TOTAL	NO OF VOUCHERS	AVERAGE AMOUNT
XXXX	XXXXXXXXXXXXXXXXXXXX	X,XXX,XXX,XX-	XXX,X	XXX,X	XXX,XXX,XX-	
XXXX	XXXXXXXXXXXXXXXXXXXX	X,XXX,XXX,XX-	XXX,X	XXX,X	X,XXX	
XXXX	XXXXXXXXXXXXXXXXXXXX	X,XXX,XXX,XX-	XXX,X	XXX,X	XXX,XXX,XX-	
XXXX	XXXXXXXXXXXXXXXXXXXX	X,XXX,XXX,XX-	XXX,X	XXX,X	XXX,XXX,XX-	
GRAND TOTALS: X,XXX,XXX,XX- XXX,X XXX,XXX XXX,XXX,XX-						

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: APGLCR

Report: A/P - G/L DISTRIBUTION
CROSS REFERENCE

RUN DATE: XX-XXX-XX		YOUR COMPANY NAME					PAGE XXX
A / P - G / L D I S T R I B U T I O N C R O S S R E F E R E N C E							
PERIOD ENDING XX/XX/XX							
EXPENSE ACCOUNT		VOUCHER	VENDOR	INVOICE			
NO	DESCRIPTION	NO	NO	NO	DATE	AMOUNT	
XXXX-XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
		XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
		XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
		XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
		XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
				EXPENSE ACCOUNT TOTAL: XX,XXX,XXX.XX-			
XXXX-XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXX	XXXXXXXXXX	XX/XX/XX	XXX,XXX.XX-	
					GRAND TOTAL:	XX,XXX,XXX.XX-	

Remarks: USE THIS FORMAT TO SHOW DETAIL ON THE REPORT.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: APGLCR

Report: A/P - G/L DISTRIBUTION CROSS REFERENCE SUMMARY

RUN DATE XX-XXX-XX		YOUR COMPANY NAME		PAGE XXX
A/P - G/L DISTRIBUTION CROSS REFERENCE SUMMARY				
PERIOD ENDING XX/XX/XX				
NO	EXPENSE-ACCOUNT-DESCRIPTION	ACCOUNT TOTAL		
XX-XX-XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX,XXX,XXX,XX-		
XX-XX-XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX,XXX,XXX,XX-		
XX-XX-XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX,XXX,XXX,XX-		
XX-XX-XX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XX,XXX,XXX,XX-		
GRAND TOTAL:		XX,XXX,XXX,XX-		

9.14

Remarks: USE THIS FORMAT FOR A SUMMARY REPORT.

Date: MAY-80

REPORT FORMAT

Version: DIBOL-11 Disk

System: A/P

Release: 5

Program: PRGPRT

Report: A/P OPEN PURGE REPORT

YOUR COMPANY NAME										FACE XXX
A / P OPEN PURGE REPORT										
-----VENDOR-----										
NO	NAME	VOUCHER NO	NO	DATE	INVOICE AMOUNT	DISCOUNT	DUE DATE			
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX			
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX			
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX			
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX	XXXXXXXX	XX/XX/XX	XXX,XXX.XX-	X,XXX.XX-	XX/XX/XX			

X,XXX ITEMS PURGED

9.15