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JAN 77 H D HILLIS, G C MILBORROW, M L REED

UNCLASSIFIED WORKING PAPER-90 AFLC-77-1 NL

1 OF 2
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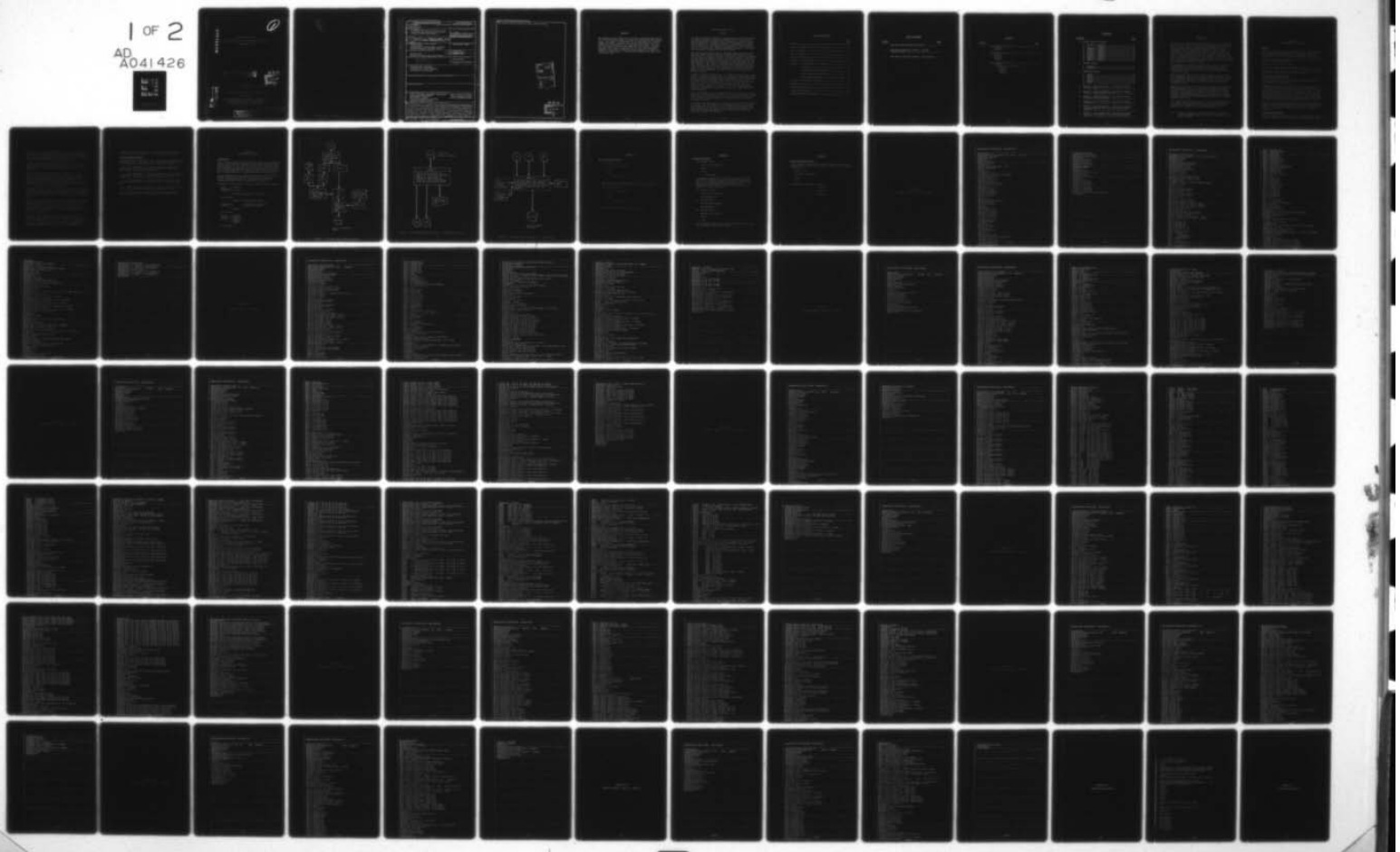

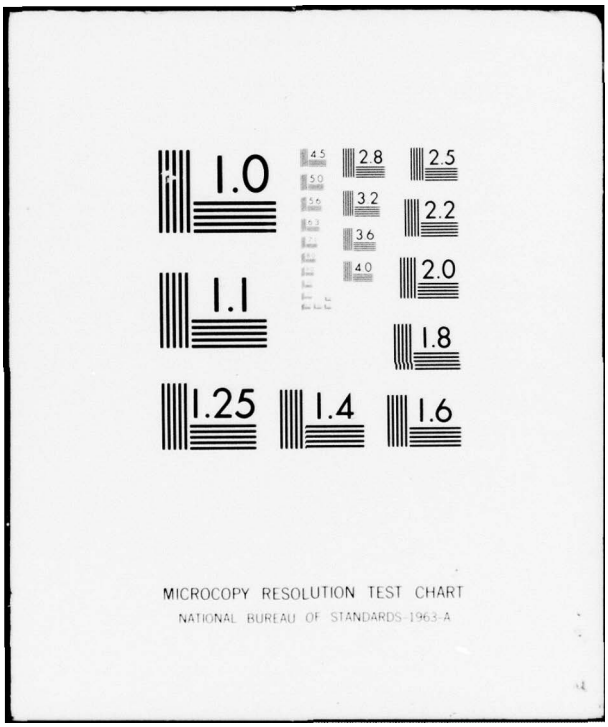
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AN OPERATIONAL VERSION OF THE DEPOT PURCHASED EQUIPMENT MAINTENANCE ALLOCATION MODEL

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BY

H. DAVID HILLIS

AND

SQUADRON LEADER GRAHAM C. MILBORROW RAF

JANUARY 1977

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WRIGHT-PATTERSON AFB OHIO 45433

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LOGISTICS PSEUDO CODES
REPAIR GROUP CATEGORY
FUNDS ALLOCATION MODEL
COST ALLOCATION MODEL

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The purpose of this study is to provide a anrrative description of a cost allocation model for Depot Purchased Equipment Maintenance. The model is configured for the Honeywell 635 Computer supporting remote terminals and batch remote facilities via a Honeywell 115 operating in an open shop environment. Included are the computer programs and samples of the output products. Although this report is peculiar to the Air Force Logistics Command's Directorate of Materiel Requirements at WPAFB it is adaptable for other cost

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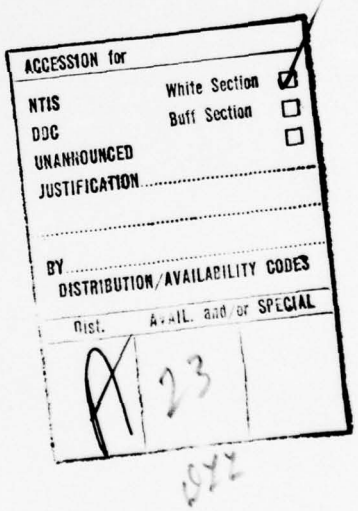
allocation areas and can be done rather easily.



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ABSTRACT

The purpose of this study is to provide a narrative description of a cost allocation model for Depot Purchased Equipment Maintenance. The model is configured for the Honeywell 635 computer supporting remote terminals and batch remote facilities via a Honeywell 115 operating in an open shop enviroment. Included are the computer programs and samples of the output products. Although this report is pecluiar to the Air Force Logistics Command's Directorate of Materiel Requirements at Wright-Patterson Air Force Base, it can easily be adapted for other cost allocation areas.

DPEM ALLOCATION MODEL

PREFACE

The identification of resource requirements to support the Depot Purchased Equipment Maintenance Program (DPEM) has previously been accomplished by showing only categories of weapon systems. Manual methods for achieving detailed requirements were considered economically unfeasible because of the manhours involved and the length of time needed for computation. The allocation model now provides AFLC command management visibility to a depth not previously available in the DPEM program.

The model enables management to establish broad standards that include, total budget available, desired distribution of available budget by customer, organic or contract, or element expenses, and the relative funding priority of weapon systems. The model applies these standards in the individual command validated AFLC requirements. The resulting products, in both detailed and summary form, are then used to determine the fiscal health of the DPEM program. The impact of the management decisions on individual weapon systems, or other areas of the standards identified above, is very apparent. The opportunity is then available to alter the test standards, recycle the model, and achieve more desired results.

To date, practical application of the model has been made in two areas. The model has been used to ascertain the command requirement with an FY 79 Program Objective Memorandum (POM) submission. FY 78 through 83 requirement were manipulated, with criteria tailored to the individual fiscal year. The resulting data was then used as the POM submission, with the product serving as finely detailed backup. To have accomplished this recently assigned task without the benefit of the model would have been extremely difficult at best, and no doubt would have commanded less confidence.

Second application is the current year (FY 77) where it is being utilized to identify the probable FY 77 closeout position. Ample time remains in the fiscal year to alter the program authorization, if deemed appropriate, and to achieve a more desirable closeout position.

In summary, the model provides visibility not previously available to HQ AFLC into the details of the annual program, and provide management the opportunity to more beneficially distribute the funds allocated to the DPEM program, minimize the impact of the relatively austere financing on the command and the USAF as applicable to the DPEM program.

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CHAPTER 1
INTRODUCTION

The details of research methodology which led to the construction of a test model for Depot Purchased Equipment Maintenance funding have already been documented in Working Paper No. 82, dated February 1975, A Program Allocation Model for Depot Purchased Equipment Maintenance, Squadron Leader Graham C. Milborrow, RAF, Directorate of Systems Management, DCS/Plans and Programs, Headquarters, Air Force Logistics Command (See Note). This initial study tried to identify the implicit and explicit criteria being used by AFLC agencies in the DPEM process. Research following the analysis phase was aimed at removing some of the subjectivity in the funding process in favor of using mission essentiality criteria.

The operational version of the model uses little of this philosophy however, and, apart from the use of weapon system prioritizing, none of the envisioned changes are included (i.e., use of marginal analysis to compute exchangeable item budget inclusions).

The operational DPEM allocation model basically provides HQ AFLC management (LORER) with a computational facility. Using this, LORER can manipulate $ funding levels, as well as changing percentages assigned to different levels in the funding hierarchy (i.e., Organic Maintenance work versus Contract Maintenance work).

Despite this departure from the original research philosophy, AFLC management has, in the operational model, the ability to sensitivity-test different monetary allocations and funding emphasis, and observe the totality of the results of these actions. Thus, although the model has become merely a deterministic computational resource, it does fulfill the apparent management need for a "macro-calulator" to be used in formulating fiscal policy.

This paper, explains the mechanics of the model together with the details of its input formats, filing arrangements and report writing capabilities. Following this, the details necessary for operation of the model are explained.

NOTE: Defense Documentation Center (DDC) Number A035440. Defense Logistics Studies Information Exchange (DLSIE) Number LD38087A.

CHAPTER 2
CONSTRUCTION OF THE MODEL

Outline

The model is organized in three sections: the Data Extraction Process, the Allocation Process, and the Report Generator Process. COBOL is used as the programming language throughout except for two FORTRAN time-sharing subroutines.

Examples for the three sections of the Models programming are given in Appendix A1 thru A10.

Appendix B, depict FORTRAN samples.

Data Files Content samples are listed in Appendix C1 thru C6.

Examples of the output report formats for the three sections of the Model are shown in Appendices D thru I.

The Data Extraction Process

As Figure 1 shows, the data elements are extracted from the DPEM Data Bank and split into "common item" and "specific weapon system" applicabilities.

Programming focuses on the common items data at this stage. A "MISTR to MDS" tape containing Subprogram (Federal Stock Class/Materiel Management Code) and Model Design Series (MDS) data is input and used as a "look up" table. Both the MISTR tape and the common item file are first sorted by Logistics Subprogram Code (KS) and Fiscal Year (FY). The KS elements of the common item are made MDS peculiar. Both peculiar item data and that for the identified common items are then jointly sorted by MDS and WBS (Work Breakdown Structure Code).

At this point, a look up table is used to identify the actual weapon system for the MDS details. When this identification process is accomplished, the annotated data is written to a data file tape which is used as input for the Allocation Process.

The Allocation Process

The first action of the model in the Allocation Phase is to produce a permfile of the $ requirements submitted by ALCs, a

permfile of percentage fundings to be applied to each element of expense, and a management report reflecting initial ALC $ requirements. The latter output is to help management determine whether any changes to the percentage requirement levels are needed prior to running the model. The routine MODTOT.S carries out these actions as outlined in Figure 2.

Changes can be made by the manager to both the percentage funding levels for each EEI, and the $ allocation to each customer within a specified fiscal year via FORTRAN time-sharing programs. Details of these procedures are given in Chapter 3.

Figure 3 covers the main allocation process. The budget figures for each customer (input by management via a TSS terminal) are broken down into their lowest elements of expense (repair group categories). The program identifies these elements of expense to their respective hierarchies of applicability, i.e., customer, draw codes, work type (organic/contract), and RGC code. This ensures element can be tracked easily throughout the allocation process.

The allocation process deals separately with two prior funding conditions. If the funding is greater than the requirement, the allocation process proceeds directly using the $ requirements reported by the ALCs to the DPEM Data Bank. If the funding level is less than the requirement, the following process is implemented.

Each element of expense (RGC) has already been assigned a priority of funding by HQ AFLC Materiel Management (MMRER letter, 3 February 1975 refers). This information is linked to certain set percentage funding levels and the program sets out this information in tabular form. Using this, the program calculates the $ allocation for each element of expense (within O/C code, draw code, and CUS), and writes the allocated $ total to a temporary file.

During the above process, the difference between the EEI $ allocated by the priority rule and the EEI $ allocated by percentage requirements input by TSS interface is calculated. If this difference is greater than $5,000, a correction factor is then calculated, and applied to each $ allocation (under the priority rule). This adjusts the priority rule percentage application to the $ funding level available. The

results for this adjustment are then written to the allocated $ tape for subsequent input to the Report Generator Process.

Report Generator Process

The third section of the model covers the output requirements as specified by HQ AFLC/LORER. Data elements are identified by the sub-headings. Fund reports are produced as follows:

1. DPEM Requirement - Allocation Summary by Model Design (Appendix D). This report gives the accumulated requirement and allocated dollars by Model Design.

2. DPEM Requirement - Allocation Summary by High $ Burner Weapon System (Appendix E). Only pseudo codes with allocations in excess of $500,000 are listed and summarized by ALC.

3. DPEM Requirement - Allocation Summary by Weapon System Priority (Appendix F). The data elements are listed by priority.

4. DPEM Requirement - Allocation Summary by Manager (Appendix G). The data elements listed are shown here by ALC.

5. DPEM Requirement - Summary by Customer, Organic/Contract, Draw Code, and Repair Group Category (Appendix H).

CHAPTER 3
OPERATING PROCEDURES

Introduction

Using the model requires the sequential running of two programs in the Data Extraction Process, two programs in the Allocation Process, and up to five programs in the Report Generator Process, depending on the needs of management. In addition, during the allocation process, there are two time-sharing interface routines (MODELPCT and MODELPCS) which allow management to set $ budget levels and % funding requirements respectively.

To ease exposition of the running procedures, all inputs to a CREATE terminal, required of the operator, are shown as a series of annotated exhibits. These should be followed sequentially except where alternates are indicated.

In summary, the programs to be run in sequence are as follows:

```
Data       ( MODEXT.R
Extraction(
Process    ( MODWBS.R
           (
           ( MODMDS.S (Initiated by MODEXT.R)

See Exhibit 1

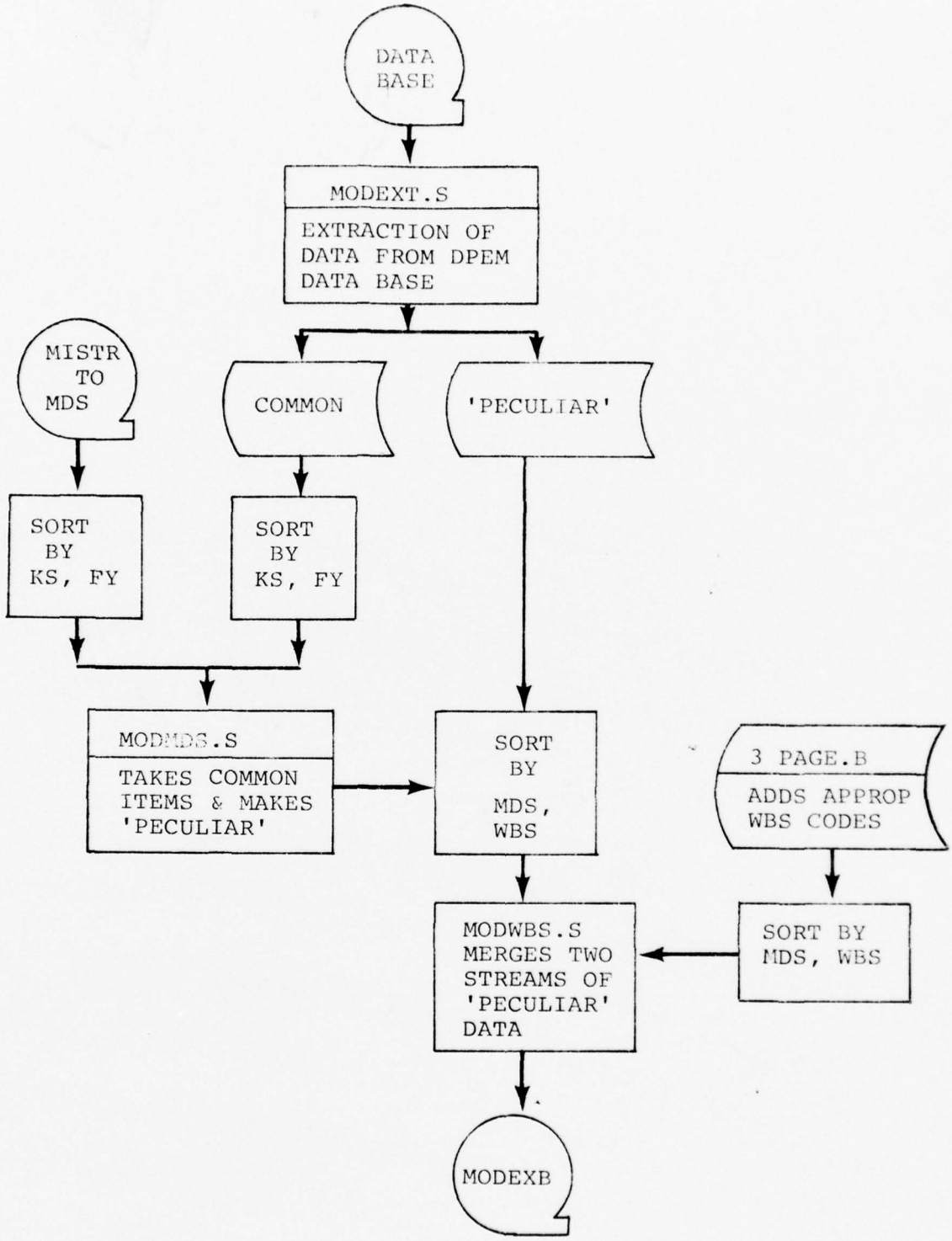
           ( MODTOT.R Initial report section.

Allocation(             MODELPCT) TSS Interface
Process    (            MODELPCS) programs.
           (
           ( MODALL.R

See Exhibit 2

Report     ( MODSUM.R
Generator  ( MOD500.R
Process    ( MODPRI.R
           ( MODALC.R
           ( MODREQ.R

See Exhibit 3
```



INPUT TO ALLOCATION PHASE

FIGURE 1 - DPEM MODEL DATA EXTRACTION PROCESS

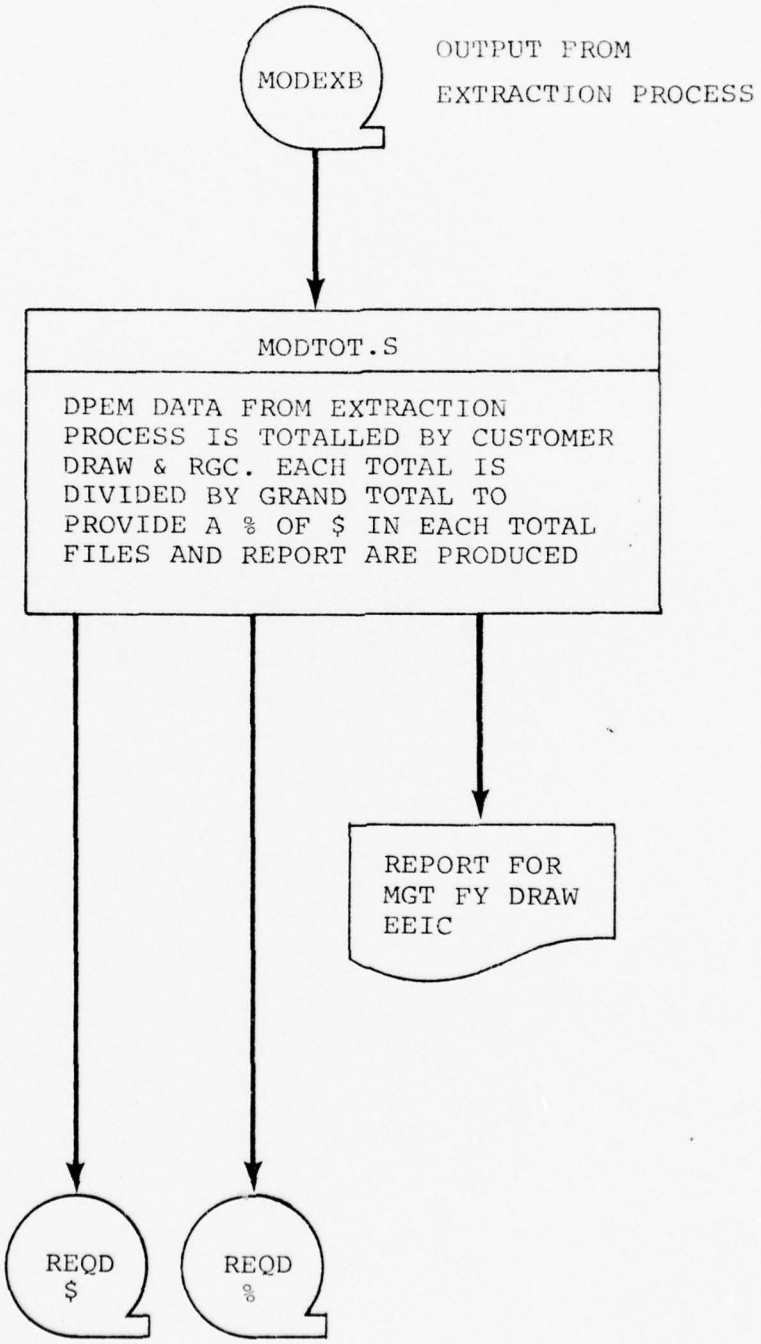


FIGURE 2 - DPEM MODEL ALLOCATION PROCESS - INITIAL REPORT SECTION

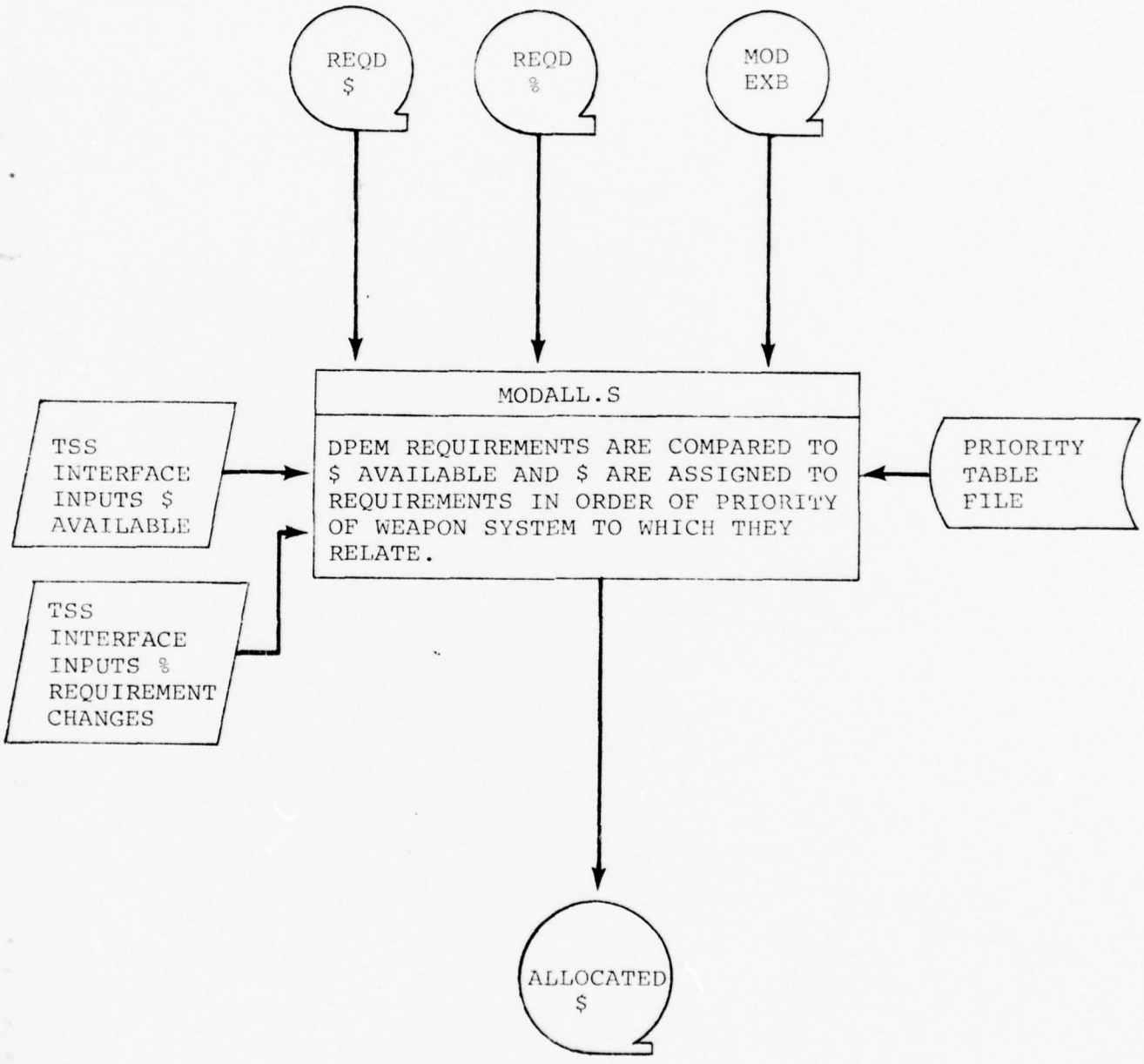


FIGURE 3 - DPEM MODEL ALLOCATION PROCESS - MAIN SECTION

EXHIBIT 1

Data Extraction Process

(a) SYSTEM ? CARD

OLD OR NEW O MODEXT.R

READY

* RUN

SNUMB # c048t

*

Diagnostic output can be obtained through the CREATE open shop 115 printer or the central site output center.

(b) SYSTEM ? CARD

OLD OR NEW O MODWBS.R

READY

* RUN

SNUMB # H041T

*

Diagnostic output produced as at (a) above.

EXHIBIT 2

Allocation Process

(a) SYSTEM ? CARD

OLD OR NEW O MODTOT.R

READY

* RUN

SNUMB D025t

A diagnostic output can be obtained through the CREATE Open Shop. As well as this, an initial report is produced. This enables management to see the DPEM requirement as it exists before any modification of the requirement or allocated budget has been decided. An example is given at Appendix I.

(b) SYSTEM ? FORT

OLD OR NEW O MODELPCT.

See Appendix B.1

(c) SYSTEM ? FORT

OLD OR NEW O MODELPCS

See Appendix B.2

(d) SYSTEM ? CARD

OLD OR NEW O MODALL.R

READY

* RUN

All diagnostic output can be obtained through CREATE open shop or central site output control.

EXHIBIT 3

Report Generator Process

The following report generator program can be run as desired. Copies of these management reports are included at Appendixes D through I.

```
SYSTEM ? CARD

OLD OR NEW O MODSUM.R

READY

* RUN
```

Alternatively Substitute O MOD500.R

O MODPRI.R

O MODALC.R

O MODREQ.R

APPENDIX A.1

PROGRAM LISTING - MODEXT.R - MODEXT.S

CATALOG/FILE DESCRIPTION= RCS/MODEXT,R

```
010#N,R(AC)
020$:IDENT:WP0955,LOPER(81) CJW  72751    MODEXT.R
030$:LIMITS:15,,,9K
040$:GMAP:NDECK
050:600SM
060:SORT:FCB,,12
070:FIELD:(C4,C2)
075:SEQ:(A2)
080:PICK:SELECT,(2),(=6H    76)
090:FILCB:FCB,**,2
100:END
110$:EXECUTE
120$:LIMITS:15,,,5K
130$:TAPE:SA,X6DD,,73755,,DATABANK
140$:FILE:S1,X2R,5 R
150$:FILE:S2,X3R,5 R
160$:FILE:S3,X4R,5 R
170$:TAPE:SZ,X1CD
180$:OPTION:COBOL,NOMAP
190$:SELECT:RCS/MODEXT.O
200$:EXECUTE
210$:LIMITS:15,,,2K
220$:TAPE:AA,X1DL
230$:FILE:BB,X2S,6 L
240$:FILE:BC,X3S,2 L
250$:OPTION:NOMAP
260$:GMAP:NDECK
270:600SM
280:SORT:FCB,,8
290:FIELD:(C4,C2,C1,C1)
300:SEQ:(A4,A2)
310:FILCB:FCB,**,2
320:END
330$:EXECUTE
340$:LIMITS:15,,,2K
350$:FILE:SA,X3R,2 L
360$:FILE:S1,S1R,5R
370$:FILE:S2,S2R,5R
380$:FILE:S3,S3R,5R
390$:FILE:S4,S4R,5R
400$:FILE:S7,X4S,2 L
410$:OPTION:NOMAP
420$:GMAP:NDECK
430:600SM
440:SORT:FCB,,5
450:FIELD:(C12)
460:SEQ:(A1)
470:FILCB:FCB,**,2
480:END
490$:EXECUTE
500$:LIMITS:15,,,2K
510$:TAPE:SA,X5D,,74122,,BUDGET2
520$:FILE:S1,S1R,15R
530$:FILE:S2,S2R,15R
540$:FILE:S3,S3R,15R
550$:FILE:S4,S4R,15R
560$:FILE:S5,S5R,15R
```

```
570$:FILE:S7,X6S,75L
580$:OPTION:COBOL,NOMAP
590$:SELECT:RCS/MODMDS.O
600$:EXECUTE
610$:LIMITS:15,,,2K
620$:FILE:AA,X4R,2 L
630$:FILE:AB,X6R,6 L
640$:FILE:BB,X7S,210L
650$:OPTION:NOMAP
660$:GMAP:NDECK
670:600SM
680:SORT:FCB,,9
690:FIELD:(C17,C10,C1,C3)
700:SEQ:(A2,A4)
710:FILCB:FCB,**,2
720:END
730$:EXECUTE
740$:LIMITS:15,,,2K
750$:FILE:SA,X2R,6 L
760$:FILE:SB,X7R,210L
770$:FILE:S1,S1R,55F
780$:FILE:S2,S2R,55R
790$:FILE:S3,S3R,55R
800$:FILE:S4,S4R,55R
810$:TAPE:SZ,X8D,,74845,,MODRAN/RING
820$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODEXT,S

10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0955,MMRER/DEW  WALK  72751 MODEXT,S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODEXT,O
70:IDENTIFICATION DIVISION,
80:PROGRAM-ID, MODEXT.
90:ENVIRONMENT DIVISION,
100:CONFIGURATION SECTION,
110:SPECIAL-NAMES.
120\COMPILE ERRORS,
130:FILE CONTROL.
140\SELECT INFILE ASSIGN TO AA,
150\SELECT PECFILE ASSIGN TO BB.
160\SELECT COMFILE ASSIGN TO BC.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE PECFILE COMFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORD STANDARD.
230:01 INREC\PIC X(72).
240:FD PECFILE
250\LABEL RECORD STANDARD.
260:01 PECREC\PIC X(48).
270:FD COMFILE
280\LABEL RECORD STANDARD.
290:01 COMREC\PIC X(48).
300:WORKING-STORAGE SECTION.
310:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
330:77 PECCNT\PIC 9(7) VALUE 0 COMP-1.
340:77 DISCNT\PIC Z(6)9.
350:77 DSUB\PIC Z9.
360:77 SUB1\PIC 99 VALUE 0 COMP-1.
370:77 SUB2\PIC 99 VALUE 0 COMP-1.
380:77 INOT\PIC 9 VALUE 0.
390:77 MEMTOTCNT\PIC 9(7) VALUE 0 COMP-1.
400:77 NOHDCNT\PIC 9(7) VALUE 0 COMP-1.
410:01 IREC.
420\03 IPC\PIC X(4).
430\03 IFY\PIC XX.
440\03 IRGC\PIC X.
450\03 IKS\PIC X(1).
460\03 IMDS\PIC X(10).
470\03 IWBS.
480\  05 FILLER\PIC X.
490\  05 WBSC.
500\    07 WS\PIC XX.
510\    07 FILLER\PIC X.
520\  05 FILLER\PIC X.
530\03 IRIN.
540\  05 MEM\PIC 99.
550\  05 ITYP\PIC 99.
560\  05 FILLER\PIC 99.
570\03 FILLER\PIC X.
```

```
580\03 ICUS\PIC XXX.
590\03 FILLER\PIC X(9).
600\03 IOC\PIC X.
610\03 FILLER\PIC X.
620\03 IFAC\PIC XX.
630\03 IALC\PIC XX.
640\03 FILLER\PIC X(9).
650\03 IDRAW\PIC X.
660\03 ISCODE\PIC X.
670\03 FILLER\PIC X(4).
680:01 OHDREC REDEFINES IREC.
690\03 FILLER\PIC X(38).
700\03 IQ\PIC 9(7).
710\03 IH\PIC 9(9).
720\03 IDOL\PIC 9(7).
730\03 FILLER\PIC X(11).
740:01 OREC.
750\03 PC\PIC X(4).
760\03 FY\PIC XX.
770\03 RGC\PIC X.
780\03 KS\PIC X(10).
790\03 MDS\PIC X(10).
800\03 WBS\PIC X(5).
810\03 CUS\PIC XXX.
820\03 OC\PIC X.
830\03 FAC\PIC XX.
840\03 ALC\PIC XX.
850\03 DRAW\PIC X.
860\03 D\PIC 9(7).
870:01 TAB.
880:  02 T1 OCCURS 2.
890\03 T2 OCCURS 7.
900\  05 TD\PIC 9(7) OCCURS 3.
910:01 FYTAB.
920:  02 F1 OCCURS 7.
930\03 TFY\PIC XX.
940:PROCEDURE DIVISION.
950:START-0.
960\OPEN INPUT INFILE OUTPUT PRCFILE COMFILE.
970\MOVE SPACES TO FYTAB.
980\MOVE ZERO TO TAB.
990:READ-10.
1000\READ INFILE AT END GO TO END-60.
1010\ADD 1 TO INCNT.
1020\MOVE INREC TO IREC.
1030:CHECK-20.
1040\IF MEM = 00 AND ISCODE = "1" ADD 1 TO MEMTOTCNT
1050\GO TO READ-10.
1060\IF ITYP = 01 GO TO MOVE-30.
1070\MOVE INCNT TO DISCNT.
1080\DISPLAY "NO HDR REC***" IREC "   REC NO, = " DISCNT.
1090\ADD 1 TO NOHDCNT.
1100\GO TO READ-10.
1110:MOVE-30.
1120\MOVE IPC TO PC.
1130\MOVE IFY TO FY MOVE IRGC TO RGC.
1140\MOVE IKS TO KS MOVE IMDS TO MDS.
1150\MOVE IWBS TO WBS MOVE IFAC TO FAC.
1160\MOVE ICUS TO CUS MOVE IOC TO OC.
1170\MOVE IALC TO ALC MOVE IDRAW TO DRAW.
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1180:PER-40.
1190\PERFORM READ-10.
1200\IF ITYP = 01 GO TO CHECK-20.
1210\MOVE 0 TO INOT.
1220\PERFORM PER-65 THRU EXIT-110.
1230\IF ITYP = 02 AND OC = "C" GO TO REQ-50.
1240\IF ITYP = 03 AND OC = "O"
1250\GO TO REQ-50.
1260\GO TO PER-40.
1270:REQ-50.
1280\MOVE IDOL TO D.
1290\MOVE 1 TO INOT.
1300\PERFORM PER-65 THRU EXIT-110.
1310\IF WBSC = "999" ADD 1 TO COMCNT
1320\WRITE COMREC FROM OREC GO TO PER-40.
1330\ADD 1 TO PECCNT.
1340\WRITE PECREC FROM OREC.
1350\GO TO PER-40.
1360:END-60.
1370\PERFORM DIS-120 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7.
1380\DISPLAY " ".
1390\MOVE INCNT TO DISCNT.
1400\DISPLAY "NO. OF REC READ = " DISCNT.
1410\MOVE MEMTOTCNT TO DISCNT.
1420\DISPLAY "NO. OF MEMO TOTALS REC = " DISCNT.
1430\MOVE NOHDCNT TO DISCNT.
1440\DISPLAY "NO. OF NO HEADER REC = " DISCNT.
1450\MOVE COMCNT TO DISCNT.
1460\DISPLAY "NO. OF COMMON REC WRITTEN = " DISCNT.
1470\MOVE PECCNT TO DISCNT.
1480\DISPLAY "NO. OF PECULIAR REC WRITTEN = " DISCNT.
1490\CLOSE INFILE PECFILE COMFILE.
1500\STOP RUN.
1510:PER-65.
1520\MOVE 1 TO SUB1.
1530:IFY-70.
1540\IF IFY NOT = TFY (SUB1) GO TO SUB1-100.
1550:ITYP-80.
1560\MOVE 0 TO SUB2.
1570\IF ITYP = 02 AND OC = "C" MOVE 1 TO SUB2.
1580\IF ITYP = 03 AND OC = "O" MOVE 2 TO SUB2.
1590\IF ITYP = 04 MOVE 3 TO SUB2.
1600\IF ITYP > 04 GO TO EXIT-110.
1610\IF INOT = 1 ADD D TO TD (2,SUB1,SUB2) GO TO EXIT-110.
1620:IDOL-90.
1630\ADD IDOL TO TD (1,SUB1,SUB2).
1640\GO TO EXIT-110.
1650:SUB1-100.
1660\IF IFY (SUB1) = SPACE MOVE IFY TO TFY (SUB1)
1670\GO TO ITYP-80.
1680\ADD 1 TO SUB1.
1690\IF SUB1 > 5 DISPLAY "FY ERROR***" IFY
1700\"    IREC = " IREC STOP RUN.
1710\GO TO IFY-70.
1720:EXIT-110.
1730\EXIT.
1740:DIS-120.
1750\DISPLAY " " DISPLAY " ".
1760\MOVE SUB1 TO DSUB.
1770\DISPLAY "FY(" DSUB ") = "  TFY (SUB1).
```

```
1780\DISPLAY "DOLLARS IN",
1790\DISPLAY "02 CONTRACT = " TD (1,SUB1,1),
1800\DISPLAY "03 ORGANIC = " TD (1,SUB1,2),
1810\DISPLAY "04 TOTAL = " TD (1,SUB1,3),
1820\DISPLAY "DOLLARS OUT",
1830\DISPLAY "02 CONTRACT = " TD (2,SUB1,1),
1840\DISPLAY "03 ORGANIC = " TD (2,SUB1,2),
1850\DISPLAY "04 TOTAL = " TD (2,SUB1,3),
1860$:ENDJOB
```

APPENDIX A.2

PROGRAM LISTING - - - MODMDS.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODMDS,S


10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0955,MMRER/DEW  72751    MODMDS.S
30$;LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODMDS,O
70:IDENTIFICATION DIVISION,
80:PROGRAM-ID, MODMDS.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION,
110:SPECIAL-NAMES.
120\COMPILE ERRORS,
130:FILE CONTROL,
140\SELECT COMFILE ASSIGN TO AA.
150\SELECT MDSFILE ASSIGN TO AB.
160\SELECT OTFILE ASSIGN TO BB.
170:I-O-CONTROL.
180\APPLY STANDARD ON COMFILE MDSFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD COMFILE
220\LABEL RECORD STANDARD.
230: 01 COMREC\PIC X(48).
240:FD MDSFILE
250\LABEL RECORDS STANDARD.
260: 01 MDSREC\PIC X(30).
270:FD OTFILE
280\LABEL RECORD STANDARD.
290: 01 OTREC\PIC X(48).
300:WORKING-STORAGE SECTION.
310:77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 MDSCNT\PIC 9(7) VALUE 0 COMP-1.
330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
340:77 DISCNT\PIC Z(6)9.
350:77 DOLCNT\PIC Z(6)9.
360:77 NEGCNT\PIC -(6)9.
370:77 TLSCNT\PIC Z(6)9.
380:77 DIF\PIC S9(7) VALUE 0 COMP-1.
390:77 SUB1\PIC 9(4) VALUE 0 COMP-1.
400:77 TKSFY\PIC X(12).
410:77 SUB2\PIC 9(4) VALUE 0 COMP-1.
420:77 SUB3\PIC 99 VALUE 0 COMP-1.
430:77 SUBD\PIC 99.
440:77 SUB4\PIC 99 VALUE 0 COMP-1.
450:77 INOT\PIC 9 VALUE 0.
460:77 PCT-TOT\PIC 99V99999 VALUE 0 COMP.
470:77 PCTD\PIC ZZ9.99999.
480:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
490:77 HFY\PIC XX.
500:77 HOC\PIC X.
510:77 MDFLAG\PIC X VALUE SPACE.
520:77 COMFLAG\PIC X VALUE SPACE.
530: 01 CREC.
540\  03 PC\PIC X(4).
550\  03 FY\PIC XX.
560\  03 FGC\PIC X.
570\  03 KS\PIC X(10).
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580\03 MDS\PIC X(1 ).
590\03 WBS\PIC X(5).
600\03 CUS\PIC XXX.
610\03 OC\PIC X.
620\03 FAC\PIC XX.
630\03 ALC\PIC XX.
640\03 DRAW\PIC X.
650\03 CD\PIC 9(7).
660:01 MREC.
670:  02 MKSFY.
680\03 MKS\PIC X(1 ).
690\03 MFY\PIC XX.
700:  02 MMDS\PIC X(10).
710:  02 MPCT\PIC X(6).
720:  02 PCT REDEFINES MPCT PIC 9V99999.
730:  02 FILLER\PIC XX.
740:01 OREC.
750\03 PC\PIC X(4).
760\03 FY\PIC XX.
770\03 RGC\PIC X.
780\03 RS\PIC X(10).
790\03 MDS\PIC X(1 ).
800\03 WBS\PIC X(5).
810\03 CUS\PIC XXX.
820\03 OC\PIC X.
830\03 FAC\PIC XX.
840\03 ALC\PIC XX.
850\03 DRAW\PIC X.
860\03 D\PIC 9(7).
870:01 RECTAB.
880\03 TREC\PIC X(48) OCCURS 100.
890\03 DS\PIC 9(7) COMP-1 OCCURS 100.
900:01 CKSFY.
910\03 CKS\PIC X(1 ).
920\03 CFY\PIC XX.
930: 1 TAB.
940:  02 T1 OCCURS 3.
950\03 T2 OCCURS 7.
960\  05 TL\PIC 9(7) OCCURS 2.
970:01 FYTAB.
980:  02 F1 OCCURS 7.
990\03 TFY\PIC XX.
1000:01 DIFTAB.
1010\03 DIFCNT\PIC S9(7) COMP-1 OCCURS 7.
1020:PROCEDURE DIVISION.
1030:START-0.
1040\OPEN INPUT COMFILE MDSFILE OUTPUT OTFILE.
1050\MOVE SPACES TO FYTAB.
1060\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL
1070\SUB2 > 100.
1080:READ-10.
1090\READ MDSFILE AT END MOVE "Z" TO MDFLAG GO TO EXIT-15.
1100\MOVE MDSREC TO MREC.
1110\ADD 1 TO MDSCNT.
1120:EXIT-15.
1130\EXIT.
1140:READ-20.
1150\READ COMFILE AT END MOVE "Z" TO COMFLAG GO TO EXIT-25.
1160\MOVE COMREC TO CREC.
1170\ADD 1 TO COMCNT.
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1180\MOVE KS OF CREC TO CKS MOVE FY OF CREC TO CFY.
1190\PERFORM MOVE-150.
1200\MOVE 0 TO INOT.
1210\PERFORM PER-95 THRU EXIT-140.
1220:EXIT-25.
1230\EXIT.
1240:CHECK-30.
1250\IF COMFLAG = "Z" GO TO END-90.
1260\IF MDFLAG = "Z" PERFORM DIS-35 DISPLAY "EARLY END ON COMFILE"
1270\GO TO END-90.
1280\IF MKSFY < CKSFY PERFORM READ-10 THRU EXIT-15
1290\GO TO CHECK-30.
1300\IF MKSFY = CKSFY GO TO EQUAL-40.
1310:DIS-35.
1320\DISPLAY "KS AND/OR FY NOT FOUND " CKSFY
1330\"  INPUT REC = " CREC.
1340\ADD 1 TO NOCNT.
1350\PERFORM MOVE-150.
1360\MOVE 2 TO INOT.
1370\PERFORM PER-95 THRU EXIT-140.
1380:GO-37.
1390\GO TO READ-20.
1400:EQUAL-40.
1410\MOVE 1 TO SUB1.
1420\MOVE 0 TO D.
1430\MOVE 0 TO PCT-TOT.
1440\MOVE CKSFY TO TKSFY.
1450:MOVE-50.
1460\IF SUB1 > 100 DISPLAY "TABLE OVERFLOW" GO TO END-90.
1470\MOVE CORR CREC TO OREC.
1480:MOVE-60.
1490\ADD CD TO D.
1500\MOVE OREC TO TREC (SUB1).
1510\PERFORM READ-20 THRU EXIT-25.
1520\IF COMFLAG = "Z" GO TO PER-70.
1530\IF MKSFY NOT = CKSFY GO TO PER-70.
1540\IF RGC OF CREC = RGC OF OREC AND
1550\ALC OF CREC = ALC OF OREC AND
1560\CUS OF CREC = CUS OF OREC AND
1570\WBS OF CREC = WBS OF OREC AND
1580\FAC OF CREC = FAC OF OREC AND
1590\OC OF CREC = OC OF OREC AND
1600\MDS OF CREC = MDS OF OREC AND
1610\DRAW OF CREC = DRAW OF OREC AND
1620\PC OF CREC = PC OF OREC GO TO MOVE-60.
1630\MOVE 0 TO D.
1640\ADD 1 TO SUB1.
1650\GO TO MOVE-50.
1660:PER-70.
1670\EXAMINE MPCT REPLACING ALL " " BY "0".
1680\ADD PCT TO PCT-TOT.
1690\PERFORM MULT-80 VARYING SUB2 FROM 1 BY 1 UNTIL SUB2 > SUB1.
1700\PERFORM READ-10 THRU EXIT-15.
1710\IF MDFLAG = "Z" GO TO IF-75.
1720\IF TKSFY = MKSFY GO TO PER-70.
1730:IF-75.
1740\IF PCT-TOT < .99 OR PCT-TOT > 1.01 MOVE PCT-TOT TO PCTD
1750\DISPLAY "*****BAD TOTAL " PCTD " FOR " TKSFY.
1760\MOVE 0 TO PCT-TOT.
1770\PERFORM COMP-85 VARYING SUB2 FROM 1 BY 1 UNTIL
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1780\SUB2 > SUB1,
1790\PERFORM ZERO-86 VARYING SUB2 FROM 1 BY 1 UNTIL
1800\SUB2 > SUB1,
1810\GO TO CHECK-3 .
1820:MULT-80,
1830\MOVE TREC (SUB2) TO OREC,
1840\MULTIPLY PCT BY D OF OREC ROUNDED,
1850\ADD D OF OREC TO DS (SUB2),
1860\MOVE MMDS TO MDS OF OREC,
1870\PERFORM MOVE-160,
1880\MOVE 1 TO INOT,
1890\PERFORM PER-95 THRU EXIT-140,
1900\WRITE OTREC FROM OREC,
1910\ADD 1 TO OTCNT,
1920:COMP-85,
1930\MOVE TREC (SUB2) TO OREC,
1940\MOVE 1 TO SUB3,
1950\PERFORM FMOVE-87 THRU EXIT-88,
1960\COMPUTE DIF = DS (SUB2) - D OF OREC,
1970\ADD DIF TO DIFCNT (SUB3),
1980:FMOVE-87,
1990\IF FY OF OREC = TFY (SUB3) GO TO EXIT-88,
2000\ADD 1 TO SUB3,
2010\IF SUB3 > 8 DISPLAY "FY ERROR***" FY OF OREC
2020\"    OREC = " OREC STOP RUN,
2030\GO TO FMOVE-87,
2040:EXIT-88,
2050\EXIT,
2060:ZERO-86,
2070\MOVE 0 TO DS (SUB2),
2080:END-90,
2090\PERFORM DIS-170 VARYING SUB3 FROM 1 BY 1 UNTIL SUB3 > 7,
2100\DISPLAY " ",
2110\MOVE COMCNT TO DISCNT,
2120\DISPLAY "NO. OF COM REC READ = " DISCNT,
2130\MOVE MDSCNT TO DISCNT,
2140\DISPLAY "NO. OF MISTR REC READ = " DISCNT,
2150\MOVE NOCNT TO DISCNT,
2160\DISPLAY "NO. OF COM REC NOT FOUND = " DISCNT,
2170\MOVE OTCNT TO DISCNT,
2180\DISPLAY "NO. OF REC WRITTEN = " DISCNT,
2190\CLOSE COMFILE MDSFILE OTFILE,
2200\STOP RUN,
2210:PER-95,
2220\MOVE 1 TO SUB3,
2230:HFY-100,
2240\IF HFY NOT = TFY (SUB3) GO TO SUB3-130,
2250:MOVE-110,
2260\MOVE 0 TO SUB4,
2270\IF HOC = "C" MOVE 1 TO SUB4 ELSE MOVE 2 TO SUB4,
2280\IF INOT = 1 ADD D TO TD (2,SUB3,SUB4)
2290\GO TO EXIT-14 .
2300\IF INOT = 2 ADD CD TO TD (3,SUB3,SUB4)
2310\GO TO EXIT-14 .
2320:IDOL-120,
2330\ADD CD TO TD (1,SUB3,SUB4),
2340\GO TO EXIT-14 .
2350:SUB3-130,
2360\IF TFY (SUB3) = SPACE MOVE HFY TO TFY (SUB3)
2370\GO TO MOVE-11 .
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2380\ADD 1 TO SUB3.
2390\IF SUB3 > 8 DISPLAY "FY ERROR***" HFY
2400\"    CREC = " CREC STOP RUN.
2410\GO TO HFY-100.
2420:EXIT-140.
2430\EXIT.
2440:MOVE-150.
2450\MOVE FY OF CREC TO HFY.
2460\MOVE OC OF CREC TO HOC.
2470:MOVE-160.
2480\MOVE FY OF OREC TO HFY.
2490\MOVE OC OF OREC TO HOC.
2500:DIS-170.
2510\DISPLAY " " DISPLAY " ".
2520\MOVE SUB3 TO SUBD.
2530\DISPLAY "FY(" SUBD ") = " TFY (SUB3).
2540\DISPLAY "DOLLARS IN".
2550\DISPLAY "CONTRACT = " TD (1,SUB3,1).
2560\DISPLAY "ORGANIC = " TD (1,SUB3,2).
2570\DISPLAY "DOLLARS OUT".
2580\DISPLAY "CONTRACT = " TD (2,SUB3,1).
2590\DISPLAY "ORGANIC = " TD (2,SUB3,2).
2600\DISPLAY "DOLLARS NOT WRITTEN".
2610\DISPLAY "CONTRACT = " TD (3,SUB3,1).
2620\DISPLAY "ORGANIC = " TD (3,SUB3,2).
2630\MOVE DIFCNT (SUB3) TO NEGCNT.
2640\DISPLAY "ROUND-OFF DOLLARS = " NEGCNT.
2650$:ENDJOB
```

APPENDIX A.3

PROGRAM LISTINGS - MODWBS.R - MODWBS.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODWBS,R

10#N,R(AC)
20$:IDENT:WP0955,LOREN(81)     WILHELM    72751    MODWBS,R
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:GMAP:NDECK
60:6@0SM
70:SORT:FCB,,14
80:FIELD:(C1,C3,C1,C5,C1,C10)
90:SEQ:(A6,A2)
100:FILCB:FCB,**,2
110:END
120$:EXECUTE
130$:PRMFL:SA,R,S,MMR/3PAGE,B
140$:FILE:S1,S1R,5R
150$:FILE:S2,S2R,5R
160$:FILE:S3,S3R,5R
170$:FILE:SZ,F1S,1 L
180$:OPTION:COBOL,NOMAP
190$:SELECT:RCS/MODWBS.O
200$:EXECUTE
210$:LIMITS:15,,,2K
220$:TAPE:AA,X1D,,74845,,MODRAN
230$:FILE:AB,F1R,1 L
240$:TAPE:BB,X2D,,76651,,MODRAN/RING
250$:ENDJOB
```

CATALOG/FILE DESCRIPTION= RCS/MODWBS,S

```
0010##M,R(AC) :,8,16;\,12,30
0020$:IDENT:WP0955,MMRER/DEW  72751  MODWBS.S
0030$:LIMITS:15,,,9K
0040$:OPTION:NOMAP
0050$:COBOL:DECK
0060$:PRMFL:C*,W,S,RCS/MODWBS,O
0070;IDENTIFICATION DIVISION.
0080;PROGRAM-ID. MODWBS.
0090;ENVIRONMENT DIVISION.
0100;CONFIGURATION SECTION.
0110;SPECIAL-NAMES.
0120\COMPILE ERRORS.
0130;FILE CONTROL.
0140\SELECT COMFILE ASSIGN TO AA.
0150\SELECT WBSFILE ASSIGN TO AB.
0160\SELECT OTFILE ASSIGN TO BB.
0170;I-O-CONTROL.
0180\APPLY STANDARD ON COMFILE WBSFILE OTFILE.
0190;DATA DIVISION.
0200;FILE SECTION.
0210;FD COMFILE
0220\LABEL RECORD STANDARD.
0230;01 COMREC\PIC X(48).
0240;FD WBSFILE
0250\LABEL RECORD STANDARD.
0260;01 WBSREC\PIC X(84).
0270;FD OTFILE
0280\LABEL RECORD STANDARD.
0290;01 OTREC\PIC X(54).
0300;WORKING-STORAGE SECTION.
0310;77 COMCNT\PIC 9(7) VALUE 0 COMP-1.
0320;77 WBSCNT\PIC 9(7) VALUE 0 COMP-1.
0330;77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
0340;77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
0350;77 DISCNT\PIC Z(6)9.
0360;77 SUB1\PIC 99 VALUE 0 COMP-1.
0370;77 SUB2\PIC 99 VALUE 0 COMP-1.
0380;77 INOT\PIC 9.
0390;77 SUBD\PIC 99.
0400;77 HFY\PIC XX.
0410;77 HOC\PIC X.
0420;77 CFLAG\PIC X VALUE SPACE.
0430;77 WFLAG\PIC X VALUE SPACE.
0440;01 CREC.
0450\03 PART1.
0460\  05 FILLER\PIC X(4).
0470\  05 IFY\PIC XX.
0480\  05 IOC\PIC X.
0490\  05 FILLER\PIC X(10).
0500\03 MDS\PIC X(10).
0510\03 CWBS.
0520\  05 F1\PIC X.
0530\  05 FILLER\PIC XXX.
0540\  05 F2\PIC X.
0550\03 PART2.
0560\  05 FILLER\PIC X(3).
0570\  05 IOC\PIC X.
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0580\  05 FILLER\PIC X(5).
0590\03 D\PIC 9(7).
0600:01 OREC.
0610\03 PART1.
0620\  05 FILLER\PIC X(4).
0630\  05 FY\PIC XX.
0640\  05 AGC\PIC X.
0650\  05 FILLER\PIC X(10).
0660\03 MDS\PIC X(10).
0670\03 OWBS.
0680\  05 P1\PIC X.
0690\  05 WBSC\PIC XXX.
0700\  05 P2\PIC X.
0710\03 PART2.
0720\  05 CUS\PIC XXX.
0730\  05 OC\PIC X.
0740\  05 FILLER\PIC X(5).
0750\03 D\PIC 9(7).
0760\03 MD\PIC X(5).
0770\03 CUSS\PIC X.
0780:01 WREC.
0790\03 FILLER\PIC X.
0800\03 WB\PIC XXX.
0810\03 FILLER\PIC X.
0820\03 MDIN\PIC X(5).
0830\03 FILLER\PIC X.
0840\03 WMDS\PIC X(10).
0850\03 FILLER\PIC X(63).
0860:01 TAB.
0870:  02 T1 OCCURS 3.
0880\03 T2 OCCURS 7.
0890\  05 TD\PIC 9(7) OCCURS 2.
0900:01 FYTAB.
0910:  02 F1 OCCURS 7.
0920\03 TFY\PIC XX.
0930:PROCEDURE DIVISION.
0940:START-0.
0950\OPEN INPUT COMFILE WBSFILE OUTPUT OTFILE.
0960\MOVE SPACE TO FYTAB.
0970:READ-10.
0980\READ WBSFILE AT END MOVE "Z" TO WFLAG GO TO EXIT-15.
0990\MOVE WBSREC TO WREC.
1000\ADD 1 TO WBSCNT.
1010:EXIT-15.
1020\EXIT.
1030:READ-20.
1040\READ COMFILE AT END MOVE "Z" TO CFLAG GO TO EXIT-25.
1050\MOVE COMREC TO CREC.
1060\ADD 1 TO COMCNT.
1070\PERFORM MOVE-150.
1080\MOVE 0 TO INOT.
1090\PERFORM PER-9  THRU EXIT-140.
1100:EXIT-25.
1110\EXIT.
1120:MOVE-30.
1130\MOVE SPACES TO OREC.
1140\MOVE PART1 OF CREC TO PART1 OF OREC.
1150\MOVE MDS OF CREC TO MDS OF OREC.
1160\MOVE PART2 OF CREC TO PART2 OF OREC.
1170\MOVE D OF CREC TO D OF OREC.
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1180\MOVE CORR CWBS TO OWBS.
1190:PER-40.
1200\PERFORM READ-20 THRU EXIT-25.
1210\IF CFLAG = "Z" GO TO MATCH-50.
1220\IF PART1 OF CREC = PART1 OF OREC AND
1230\MDS OF CREC = MDS OF OREC AND
1240\CWBS = OWBS AND
1250\PART2 OF CREC = PART2 OF OREC
1260\ADD D OF CREC TO D OF OREC
1270\GO TO PER-40.
1280:MATCH-50.
1290\IF WFLAG = "Z" AND CFLAG = "Z" GO TO END-80.
1300\IF WFLAG = "Z" DISPLAY "MDS NOT MATCHED***" CREC
1310\GO TO END-80.
1320\IF MDS OF OREC > WMDS PERFORM READ-10 THRU EXIT-15
1330\GO TO MATCH-50.
1340\IF MDS OF OREC = WMDS MOVE WB TO WBSC
1350\MOVE MDIN TO MD GO TO WRITE-60.
1360\ADD 1 TO NOCNT.
1370\PERFORM MOVE-150.
1380\MOVE 2 TO INOT.
1390\PERFORM PER-90 THRU EXIT-140.
1400\DISPLAY "MDS NOT IN 3PAGE.B " OREC.
1410\IF CFLAG = "Z" GO TO END-80.
1420\GO TO MOVE-30.
1430:WRITE-60.
1440\PERFORM MOVE-160.
1450\MOVE 1 TO INOT.
1460\PERFORM PER-90 THRU EXIT-140.
1470\MOVE "9" TO CUSS.
1480\IF CUS = "APR" MOVE "1" TO CUSS.
1490\IF CUS = "ANG" MOVE "2" TO CUSS.
1500\IF CUS = "DA " MOVE "3" TO CUSS.
1510\IF CUS = "DAF" MOVE "4" TO CUSS.
1520\IF CUS = "DN " MOVE "5" TO CUSS.
1530\IF CUS = "MAC" MOVE "6" TO CUSS.
1540\IF CUS = "MAP" MOVE "7" TO CUSS.
1550\IF CUS = "SYS" MOVE "8" TO CUSS.
1560\WRITE OTREC FROM OREC.
1570\ADD 1 TO OTCNT.
1580\IF CFLAG = "Z" GO TO END-80.
1590\GO TO MOVE-30.
1600:END-80.
1610\PERFORM DIS-170 VARYING SUB1 FROM 1 BY 1 UNTIL SUB1 > 7.
1620\DISPLAY " ".
1630\MOVE COMCNT TO DISCNT.
1640\DISPLAY "NO. OF COM REC READ = " DISCNT.
1650\MOVE WBSCNT TO DISCNT.
1660\DISPLAY "NO. OF 3PAGE REC READ = " DISCNT.
1670\MOVE NOCNT TO DISCNT.
1680\DISPLAY "NO. OF COMREC NOT MATCHED = " DISCNT.
1690\MOVE OTCNT TO DISCNT.
1700\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1710\CLOSE COMFILE WBSFILE OTFILE.
1720\STOP RUN.
1730:PER-90.
1740\MOVE 1 TO SUB1.
1750:HFY-100.
1760\IF HFY NOT = TFY (SUB1) GO TO SUB1-130.
1770:MOVE-110.
```

```
1780\MOVE 0 TO SUB2.
1790\IF HOC = "C" MOVE 1 TO SUB2 ELSE MOVE 2 TO SUB2.
1800\IF INOT = 1 ADD D OF OREC TO TD (2,SUB1,SUB2)
1810\GO TO EXIT-140.
1820:DOL-120.
1830\ADD D OF CREC TO TD (1,SUB1,SUB2).
1840\GO TO EXIT-140.
1850:SUB1-130.
1860\IF TFY (SUB1) = SPACE MOVE HFY TO TFY (SUB1)
1870\GO TO MOVE-110.
1880\ADD 1 TO SUB1.
1890\IF SUB1 > 8 DISPLAY "FY ERROR***" HFY
1900\"    CREC = " CREC STOP RUN.
1910\GO TO HFY-100.
1920:EXIT-140.
1930\EXIT.
1940:MOVE-150.
1950\MOVE IFY TO HFY.
1960\MOVE IOC TO HOC.
1970:MOVE-160.
1980\MOVE FY TO HFY.
1990\MOVE OC TO HOC.
2000:DIS-170.
2010\DISPLAY " " DISPLAY " ".
2020\MOVE SUB1 TO SUBD.
2030\DISPLAY "FY(" SUBD ") = " TFY (SUB1).
2040\DISPLAY "DOLLARS IN".
2050\DISPLAY "CONTRACT = " TD (1,SUB1,1).
2060\DISPLAY "ORGANIC = " TD (1,SUB1,2).
2070\DISPLAY "DOLLARS OUT".
2080\DISPLAY "CONTRACT = " TD (2,SUB1,1).
2090\DISPLAY "ORGANIC = " TD (2,SUB1,2).
2100\DISPLAY "DOLLARS NOT WRITTEN".
2110\DISPLAY "CONTRACT = " TD (3,SUB1,1).
2120\DISPLAY "ORGANIC = " TD (3,SUB1,2).
2130$:ENDJOB
```

APPENDIX A.4

PROGRAM LISTINGS - MODTOT.R - MODTOT.S

CATALOG/FILE DESCRIPTION= RCS/MODTOT,R

```
10##N,R(AC)
20$:IDENT:WP0955,LORER(81)        WILHELM     72751    MODTOT.R
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:GMAP:NDECK
60:600SM
70:SORT:FCB,,9
80:FIELD:(C4,C2,C1,C25,C3,C1,C4,C1)
90:SEQ:(A2,A5,D8,A6,A3)
100:FILCB:FCB,**,2
110:END
120$:EXECUTE
130$:LIMITS:15,,,2K
140$:TAPE:SA,X1D,,76651,,MODRAN
150$:FILE:S2,S2R,55R
160$:FILE:S2,S2R,55R
170$:FILE:S3,S3R,55R
180$:FILE:S4,S4R,55R
190$:FILE:SZ,A1S,210L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODTOT.O
220$:EXECUTE
215$:LIMITS:15,,,2K
240$:FILE:AA,A1R,210L
250$:REMOTE:BB,AC
260$:PRMFL:BC,W,S,RCS/REQPER
270$:PRMFL:BD,W,S,RCS/REQDOL
280$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODTOT,S

10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0955,LORER(81)  CJW  72751  MODTOT,S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODTOT,O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODTOT.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:FILE CONTROL.
140\SELECT INFILE ASSIGN TO AA.
150\SELECT OTFILE ASSIGN TO BB FOR LISTING.
160\SELECT PERFILE ASSIGN TO BC.
170\SELECT REQFILE ASSIGN TO BD.
180:I-O-CONTROL.
190\APPLY STANDARD ON INFILE OTFILE PERFILE REQFILE.
200:DATA DIVISION.
210:FILE SECTION.
220:FD INFILE
230\LABEL RECORD STANDARD.
240: 01 INREC\PIC X(54).
250:FD OTFILE
260\LABEL RECORD STANDARD
270\REPORT IS TOT-REPORT.
280:FD PERFILE
290\LABEL RECORD STANDARD.
300:01 OTREC\PIC X(48).
310:FD REQFILE
320\LABEL RECORD STANDARD.
330:01 REQREC\PIC X(54).
340:WORKING-STORAGE SECTION.
350:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
360:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
370:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
380:77 CUSTOT\PIC 9(7) COMP-1.
390:77 DRAWTOT\PIC 9(7) COMP-1.
400:77 DISCNT\PIC Z(6)9.
410:77 SUB1\PIC 99 VALUE 0 COMP-1.
420:77 SUB2\PIC 99 VALUE 0 COMP-1.
430:77 SUB3\PIC 99 VALUE 0 COMP-1.
440:77 HFY\PIC XX.
450:77 IFY\PIC 99 VALUE 0 COMP-1.
460:77 IOC\PIC 99 VALUE 0 COMP-1.
470:01 SUMTAB.
480:  02 TCUS OCCURS 10.
490\03 TDRAW OCCURS 4.
500\  05 TODOL\PIC 9(7) OCCURS 7.
510\  05 TCDOL\PIC 9(7) OCCURS 7.
520:01 IREC.
530\ 3 FILLER\PIC X(4).
540\ 3 FY\PIC XX.
550\ 3 FGC\PIC X.
560\ 3 FILLER\PIC X(25).
570\ 3 CUS\PIC XXX.
```

```
580\03 OC\PIC X.
590\03 FILLER\PIC X(4).
600\03 DRAW\PIC X.
610\03 D\PIC 9(7).
620\03 FILLER\PIC X(6).
630:01 PREC.
640\03 PFY\PIC XX.
650\03 PCUS\PIC XXX.
660\03 PDRAW\PIC X.
670\03 PERDRAW\PIC 9V9(4).
680\03 POC\PIC X.
690\03 PEROC\PIC 9V9(4).
700\03 PACFT\PIC 9V9(4).
710\03 PMISS\PIC 9V9(4).
720\03 PENG\PIC 9V9(4).
730\03 POMEI\PIC 9V9(4).
740\03 PEXCH\PIC 9V9(4).
750\03 PABM\PIC 9V9(4).
760:01 RQREC.
770\03 RFY\PIC XX.
780\03 RCUS\PIC XXX.
790\03 RDRAW\PIC X.
800\03 ROC\PIC X.
810\03 RACFT\PIC 9(7).
820\03 RMISS\PIC 9(7).
830\03 RENG\PIC 9(7).
840\03 ROMEI\PIC 9(7).
850\03 REXCH\PIC 9(7).
860\03 RABM\PIC 9(7).
870\03 FILLER\PIC X(5).
880:01 CTAB.
890\03 FILLER\PIC X(30) VALUE
900\"AFRANGDA DAFDN MACMAPSYSOTHTOT".
910:01 CUSTAB REDEFINES CTAB.
920\03 CUST\PIC XXX OCCURS 10.
930:01 DTAB.
940\03 FILLER\PIC X(12) VALUE " R  D  A TOT".
950:01 DRAWTAB REDEFINES DTAB.
960\03 DRAT\PIC X(3) OCCURS 4.
962:01 DRTAB.
964\03 FILLER\PIC X(4) VALUE "RDA ".
966:01 DWTAB REDEFINES DRTAB.
968\03 DWAB\PIC X OCCURS 4.
970:REPORT SECTION.
980:RD TOT-REPORT
990\CONTROLS ARE CUST (SUB1) IOC
1000\PAGE LIMIT IS 55 LINES
1010\HEADING 1
1020\FIRST DETAIL 3.
1030:01 TYPE IS CF CUST (SUB1) NEXT GROUP IS NEXT PAGE.
1040:  02 LINE PLUS 01.
1050:01 TYPE IS CH IOC.
1060:  02 LINE PLUS 01.
1070\03 COLUMN 1\PIC XX SOURCE FY.
1080\03 COLUMN 4\PIC XXX SOURCE CUST (SUB1).
1090:01 TYPE IS PH.
1100:  02 LINE PLUS 01.
1110\03 COLUMN 12\SIZE 4 VALUE "ACFT".
1120\03 COLUMN 21\SIZE 4 VALUE "MISS".
1130\03 COLUMN 30\SIZE 3 VALUE "ENG".
```

```
1140\03 COLUMN 39\SIZE 4 VALUE "OMEI".
1150\03 COLUMN 48\SIZE 4 VALUE "EXCH".
1160\03 COLUMN 57\SIZE 5 VALUE "A/B/M".
1170\03 COLUMN 66\SIZE 4 VALUE "TOTL".
1175\03 COLUMN 75\PIC ZZZ9 SOURCE PAGE-COUNTER.
1180:01 OL TYPE DE LINE PLUS 02.
1190\03 COLUMN 2\PIC XXX SOURCE DRAT (SUB2).
1200\03 COLUMN 6\SIZE 1 VALUE "O".
1210\03 COLUMN 9\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,1).
1220\03 COLUMN 18\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,2).
1230\03 COLUMN 27\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,3).
1240\03 COLUMN 36\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,4).
1250\03 COLUMN 45\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,5).
1260\03 COLUMN 54\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,6).
1270\03 COLUMN 63\PIC Z(6)9 SOURCE TODOL (SUB1,SUB2,7).
1280:01 CL TYPE DE LINE PLUS 02.
1290\03 COLUMN 6\SIZE 1 VALUE "C".
1300\03 COLUMN 9\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,1).
1310\03 COLUMN 18\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,2).
1320\03 COLUMN 27\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,3).
1330\03 COLUMN 36\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,4).
1340\03 COLUMN 45\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,5).
1350\03 COLUMN 54\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,6).
1360\03 COLUMN 63\PIC Z(6)9 SOURCE TCDOL (SUB1,SUB2,7).
1370:PROCEDURE DIVISION.
1380:START-0.
1390\OPEN INPUT INFILE OUTPUT OTFILE PERFILE RFOFILE.
1400\INITIATE TOT-REPORT.
1410:MOVE-5.
1420\MOVE ZERO TO SUMTAB.
1430:READ-10.
1440\READ INFILE AT END MOVE "ZZ" TO HFY GO TO EXIT-15.
1450\ADD 1 TO INCNT.
1460\MOVE INREC TO IREC.
1470:EXIT-15.
1480\EXIT.
1490:IF-20.
1500\IF INCNT = 1 MOVE FY TO HFY GO TO CUS-30.
1510\IF HFY = "ZZ" GO TO WRITE-80.
1520\IF FY NOT = HFY GO TO WRITE-80.
1530:CUS-30.
1540\IF CUS = "AFR" MOVE 1 TO SUB1 GO TO DRAW-40.
1550\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-40.
1560\IF CUS = "DA " MOVE 3 TO SUB1 GO TO DRAW-40.
1570\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-40.
1580\IF CUS = "DN " MOVE 5 TO SUB1 GO TO DRAW-40.
1590\IF CUS = "MAC" MOVE 6 TO SUB1 GO TO DRAW-40.
1600\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-40.
1610\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-40.
1620\MOVE 9 TO SUB1.
1630:DRAW-40.
1640\IF DRAW = "R" MOVE 1 TO SUB2.
1650\IF DRAW = "D" MOVE 2 TO SUB2.
1660\IF DRAW = "A" MOVE 3 TO SUB2.
1670\IF DRAW NOT = "R" AND "D" AND "A" DISPLAY "DRAW ERROR***"
1680\DRAW "   IREC = " IREC ADD 1 TO NOCNT
1690\GO TO READ-10.
1700:REI-50.
1710\IF RGC = "A" OR "B" MOVE 1 TO SUB3 GO TO ADD-60.
1720\IF RGC = "C" OR "D" MOVE 2 TO SUB3 GO TO ADD-60.
```

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1730\IF RGC = "E" OR "F" MOVE 3 TO SUB3 GO TO ADD-60.
1740\IF RGC = "G" OR "H" MOVE 4 TO SUB3 GO TO ADD-60.
1750\IF RGC = "J" OR "K" OR "L" MOVE 5 TO SUB3 GO TO ADD-60.
1760\MOVE 6 TO SUB3.
1770:ADD-60.
1780\IF OC = "C" GO TO CON-70.
1790\ADD D TO TODOL (SUB1,SUB2,SUB3) TODOL (SUB1,SUB2,7)
1800\TODOL (SUB1,4,SUB3) TODOL (10,SUB2,SUB3) TODOL (SUB1,4,7)
1810\TODOL (10,4,SUB3) TODOL (10,SUB2,7) TODOL (10,4,7).
1820\GO TO READ-10.
1830:CON-70.
1840\ADD D TO TCDOL (SUB1,SUB2,SUB3) TCDOL (SUB1,SUB2,7)
1850\TCDOL (SUB1,4,SUB3) TCDOL (10,SUB2,SUB3) TCDOL (SUB1,4,7)
1860\TCDOL (10,4,SUB3) TCDOL (10,SUB2,7) TCDOL (10,4,7).
1870\GO TO READ-10.
1880:WRITE-80.
1890\PERFORM MOVE-81 THRU EXIT-85 VARYING SUB1 FROM 1 BY 1 UNTIL
1900\SUB1 > 9 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 3.
1910\PERFORM GEN-9  THRU GEN-100 VARYING SUB1 FROM 1 BY 1 UNTIL
1920\SUB1 > 10 AFTER SUB2 FROM 1 BY 1 UNTIL SUB2 > 4.
1930\IF HFY = "ZZ" GO TO END-110.
1940\MOVE FY TO HFY.
1950\PERFORM MOVE-5.
1960\GO TO CUS-30.
1970:GEN-90.
1990\IF SUB1 = 1 GO TO GEN-100.
2000\IF SUB2 = 1 ADD 1 TO LOC.
2010:GEN-100.
2020\GENERATE OL.
2030\GENERATE CL.
2040:END-110.
2050\MOVE INCNT TO DISCNT.
2060\DISPLAY "NO. OF REC READ = " DISCNT.
2070\MOVE NOCNT TO DISCNT.
2080\DISPLAY "NO. OF STRANGE DRAW CODES = " DISCNT.
2090\TERMINATE TOT-REPORT.
2100\CLOSE INFILE OTFILE PERFILE REQFILE.
2110\STOP RUN.
2120:MOVE-81.8
2130\IF HFY = "ZZ" MOVE FY TO PFY RFY GO TO CHECK-82.
2140\MOVE HFY TO PFY RFY.
2150:CHECK-82.
2160\MOVE CUST (SUB1) TO PCUS RCUS.
2170\MOVE DRAB (SUB2) TO PDRAW RDRAW.
2180:ORG-83.
2190\MOVE "0" TO POC ROC.
2200\COMPUTE CUSTOT = TODOL (SUB1,4,7) + TCDOL (SUB1,4,7).
2210\COMPUTE DRAWTOT = TODOL (SUB1,SUB2,7) + TCDOL (SUB1,SUB2,7).
2220\COMPUTE PERDRAW ROUNDED = DRAWTOT / CUSTOT.
2230\COMPUTE PEROC ROUNDED = TODOL (SUB1,SUB2,7) / DRAWTOT.
2240\COMPUTE PACFT ROUNDED = TODOL (SUB1,SUB2,1) /
2250\TODOL (SUB1,SUB2,7).
2260\COMPUTE PMISS ROUNDED = TODOL (SUB1,SUB2,2) /
2270\TODOL (SUB1,SUB2,7).
2280\COMPUTE PENG ROUNDED = TODOL (SUB1,SUB2,3) /
2290\TODOL (SUB1,SUB2,7).
2300\COMPUTE POMEI ROUNDED = TODOL (SUB1,SUB2,4) /
2310\TODOL (SUB1,SUB2,7).
2320\COMPUTE PEXCH ROUNDED = TODOL (SUB1,SUB2,5) /
2330\TODOL (SUB1,SUB2,7).
```

```
2340\COMPUTE PABM ROUNDED = TODOL (SUB1,SUB2,6) /
2350\TODOL (SUB1,SUB2,7),
2360\WRITE OTREC FROM PREC.
2370\ADD 1 TO OTCNT.
2380\MOVE TODOL (SUB1,SUB2,1) TO RACFT.
2390\MOVE TODOL (SUB1,SUB2,2) TO RMISS.
2400\MOVE TODOL (SUB1,SUB2,3) TO RENG.
2410\MOVE TODOL (SUB1,SUB2,4) TO ROMEI.
2420\MOVE TODOL (SUB1,SUB2,5) TO REXCH.
2430\MOVE TODOL (SUB1,SUB2,6) TO RABM.
2440\WRITE REQREC FROM RQREC.
2450:CON-84.
2460\MOVE "C" TO POC ROC.
2470\COMPUTE PEROC ROUNDED = TCDOL (SUB1,SUB2,7) / DRAWTOT.
2480\COMPUTE PACFT ROUNDED = TCDOL (SUB1,SUB2,1) /
2490\TCDOL (SUB1,SUB2,7).
2500\COMPUTE PMISS ROUNDED = TCDOL (SUB1,SUB2,2) /
2510\TCDOL (SUB1,SUB2,7),
2520\COMPUTE PENG ROUNDED = TCDOL (SUB1,SUB2,3) /
2530\TCDOL (SUB1,SUB2,7),
2540\COMPUTE POMEI ROUNDED = TCDOL (SUB1,SUB2,4) /
2550\TCDOL (SUB1,SUB2,7),
2560\COMPUTE PEXCH ROUNDED = TCDOL (SUB1,SUB2,5) /
2570\TCDOL (SUB1,SUB2,7),
2580\COMPUTE PABM ROUNDED = TCDOL (SUB1,SUB2,6) /
2590\TCDOL (SUB1,SUB2,7),
2600\WRITE OTREC FROM PREC.
2610\ADD 1 TO OTCNT.
2620\MOVE TCDOL (SUB1,SUB2,1) TO RACFT.
2630\MOVE TCDOL (SUB1,SUB2,2) TO RMISS.
2640\MOVE TCDOL (SUB1,SUB2,3) TO RENG.
2650\MOVE TCDOL (SUB1,SUB2,4) TO ROMEI.
2660\MOVE TCDOL (SUB1,SUB2,5) TO REXCH.
2670\MOVE TCDOL (SUB1,SUB2,6) TO RABM.
2680\WRITE REQREC FROM RQREC.
2690:EXIT-85.
2700\EXIT.
2710$:ENDJOB
```

APPENDIX A.5

PROGRAM LISTINGS - MODALL.R - MODALL.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODALL,R


010##N,R(AC)
020$:IDENT:WP0955,LORER(81) CJW  72751     MODALL,R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,8
080:FIELD:(C5)
090:SEQ:(A1)
100:FILCB:FCB,**,2
110:END
120$:EXECUTE
130$:LIMITS:15,,,2K
140$:PRMFL:SA,R,S,RCS/REQPER
150$:FILE:S1,S1R,2 R
160$:FILE:S2,S2R,2 R
170$:FILE:S3,S3R,2 R
180$:FILE:SZ,A1S,2 L
190$:OPTION:NOMAP
200$:GMAP:NDECK
210:600SM
220:SORT:FCB,,9
230:FIELD:(C5)
240:SEQ:(A1)
250:FILCB:FCB,**,2
260:END
270$:EXECUTE
280$:LIMITS:15,,,2K
290$:PRMFL:SA,R,S,RCS/REQDOL
300$:FILE:S1,S1R,2 R
310$:FILE:S2,S2R,2 R
320$:FILE:S3,S3R,2 R
330$:FILE:SZ,A2S,2 L
340$:OPTION:NOMAP
350$:GMAP:NDECK
360:600SM
370:SORT:FCB,,1
380:FIELD:(C2)
390:SEQ:(A1)
400:FILCB:FCB,**,2
410:END
420$:EXECUTE
430$:LIMITS:15,,,2K
440$:PRMFL:SA,R,S,RCS/PFILE
450$:FILE:S1,S1R,1R
460$:FILE:S2,S2R,1R
470$:FILE:SZ,A3S,1L
480$:OPTION:NOMAP
490$:GMAP:NDECK
500:600SM
510:SORT:FCB,,9
520:FIELD:(C4,C2,C1,C21,C2,C2,C3,C1,C4,C1,C12,C1)
530:SEQ:(A2,A12,A10,A8,A3,A5)
540:FILCB:FCB,**,2
550:END
560$:EXECUTE
570$:LIMITS:15,,,2K
```

```
580$:TAPE:SA,X1DD,,74709,,MODRAN
590$:FILE:S1,S1R,3OR
600$:FILE:S2,S2R,3OR
610$:FILE:S3,S3R,3OR
620$:FILE:SZ,A4S,3OL
630$:UTILITY
640$:FUTIL:AA,,REW/AA,/,DDUMP/5OR,/,REW/AA,/
650$:FILE:AA,A4S,3OL
660$:OPTION:COBOL,NOMAP
670$:SELECT:RCS/MODALL.O
680$:EXECUTE
690$:LIMITS:15,16K,,2K
700$:FILE:AA,A1R,2OL
710$:FILE:AB,A4R,3OL
720$:FILE:AC,A3R,1L
730$:PRMFL:AD,R,S,RCS/MODPUT
740$:FILE:AE,A2R,2OL
750$:FILE:AF,A5R,2OL
760$:TAPE:AG,X2DD,,74762,,MODRAN/RING
770$:ENDJOB
```

CATALOG/FILE DESCRIPTION= RCS/MODALL,S

```
0010##M,R(AC) :,8,16;\,12,30
0020$:IDENT:WP0955,LORER(81)   CJW  72751  MODALL,S
0030$:LIMITS:15,,,9K
0040$:OPTION:NONAP
0050$:COBOL:DECK
0060$:PRMFL:C*,W,S,RCS/MODALL,O
0070:IDENTIFICATION DIVISION.
0080:PROGRAM-ID. MODALL.
0090:ENVIRONMENT DIVISION.
0100:CONFIGURATION SECTION.
0110:SPECIAL-NAMES.
0120\COMPILE ERRORS.
0130:FILE CONTROL.
0140\SELECT PERFILE ASSIGN TO AA.
0150\SELECT MODFILE ASSIGN TO AB.
0160\SELECT PRIFILE ASSIGN TO AC.
0170\SELECT DOLFILE ASSIGN TO AD.
0180\SELECT REQFILE ASSIGN TO AE.
0190\SELECT TEMFILE ASSIGN TO AF.
0200\SELECT ALLFILE ASSIGN TO AG.
0210:I-O-CONTROL.
0220\APPLY STANDARD ON PERFILE MODFILE PRIFILE TEMFILE
0230\ALLFILE DOLFILE REQFILE.
0240:DATA DIVISION.
0250:FILE SECTION.
0260:FD PERFILE
0270\LABEL RECORD STANDARD.
0280:01 PERREC\PIC X(40).
0290:FD MODFILE
0300\LABEL RECORD STANDARD.
0310:01 MODREC\PIC X(54).
0320:FD PRIFILE
0330\LABEL RECORD STANDARD.
0340:01 PRIREC\PIC X(6).
0350:FD TEMFILE
0360\LABEL RECORD STANDARD.
0370:01 TEMREC\PIC X(66).
0380:FD ALLFILE
0390\LABEL RECORD STANDARD.
0400:01 ALLREC\PIC X(66).
0410:FD DOLFILE
0420\LABEL RECORD STANDARD.
0430:01 DOLREC\PIC X(72).
0440:FD REQFILE
0450\LABEL RECORD STANDARD.
0460:01 REQREC\PIC X(54).
0470:WORKING-STORAGE SECTION.
0480:77 PERCNT\PIC 9(7) VALUE 0 COMP-1.
0490:77 MODCNT\PIC 9(7) VALUE 0 COMP-1.
0500:77 TEMCNT\PIC 9(7) VALUE 0 COMP-1.
0510:77 ALLCNT\PIC 9(7) VALUE 0 COMP-1.
0520:77 REQCNT\PIC 9(7) VALUE 0 COMP-1.
0530:77 DISCNT\PIC Z(6)9.
0540:77 RFLAG\PIC 9 VALUE 0.
0550:77 SUB1\PIC 99 VALUE 0 COMP-1.
0560:77 SUB2\PIC 99 VALUE 0 COMP-1.
0570:77 SUB3\PIC 99 VALUE 0 COMP-1.
```

```
0580:77 EFLAG\PIC 9 VALUE 0.
0590:77 HCUS\PIC XXX.
0600:77 HWBS23\PIC XX.
0610:77 HDRAW\PIC X.
0620:77 HOC\PIC X.
0630:77 HRGC\PIC X.
0640:77 LFLAG\PIC 9 VALUE 0.
0650:77 PERCENT\PIC 9V9999 COMP.
0660:77  CUS-H  PIC XXX VALUE "   ".
0670:77 FUDGE\PIC 999V9999 COMP.
0680:77 FUD\PIC 999V9999.
0690:77 FLAG\PIC 9 VALUE 0.
0700:77 DRDRAW\PIC 9(7) COMP-1.
0710:77 ODOC\PIC 9(7) COMP-1.
0720:77 S-1\PIC ZZ9.
0730:77 S-2\PIC ZZ9.
0740:77 S-3\PIC ZZ9.
0750:77 COUNTER\PIC 9(3) VALUE 0 COMP-1.
0760:77 PPTR\PIC 9(6) VALUE 0 COMP-1.
0770:77 PPTRX\PIC 9(6) VALUE 1 COMP-1.
0780:77 PPTRD\PIC 9(6).
0790:77 HCUSS\PIC 9.
0800:77  TEMTOT  PIC 9(7) COMP-1 VALUE 0.
0810:77  FUDTOT  PIC 9(7) COMP-1 VALUE 0.
0820:77  TWM-VAL  PIC 9(7) COMP-1 VALUE 0.
0830:77  FUDSUM  PIC 9(8) VALUE 0.
0840:77  ALLOC  PIC 9(8) COMP-1 VALUE 0.
0850:77  ALLOC-D  PIC Z(7)9.
0860:77  REQ100  PIC 9(8) COMP-1 VALUE 0.
0870:77  REQ90  PIC 9(8) COMP-1 VALUE 0.
0880:77  REQ85  PIC 9(8) COMP-1 VALUE 0.
0890:77  REQ80  PIC 9(8) COMP-1 VALUE 0.
0900:77  REQ75  PIC 9(8) COMP-1 VALUE 0.
0910:77  MREQ100 PIC 9(8) COMP-1 VALUE 0.
0920:77  MREQ90  PIC 9(8) COMP-1 VALUE 0.
0930:77  MREQ85  PIC 9(8) COMP-1 VALUE 0.
0940:77  MREQ80  PIC 9(8) COMP-1 VALUE 0.
0950:77  MREQ75  PIC 9(8) COMP-1 VALUE 0.
0960:77  TREQ  PIC 9(8) COMP-1 VALUE 0.
0970:77  MTREQ  PIC 9(8) COMP-1 VALUE 0.
0980:77  X0  PIC 999V9999 COMP VALUE 0.
0990:77  X1  PIC 999V9999 COMP VALUE 0.
1000:77  X2  PIC 999V9999 COMP VALUE 0.
1010:77  X3  PIC 999V9999 COMP VALUE 0.
1020:77  X4  PIC 999V9999 COMP VALUE 0.
1030:77  X0-D  PIC ZZ9.9999.
1040:77  X1-D  PIC ZZ9.9999.
1050:77  X2-D  PIC ZZ9.9999.
1060:77  X3-D  PIC ZZ9.9999.
1070:77  X4-D  PIC ZZ9.9999.
1080:77  REQ100-D  PIC Z(7)9.
1090:77  REQ90-D  PIC Z(7)9.
1100:77  REQ85-D  PIC Z(7)9.
1110:77  REQ80-D  PIC Z(7)9.
1120:77  REQ75-D  PIC Z(7)9.
1130:77  MREQ100-D PIC Z(7)9.
1140:77  MREQ90-D  PIC Z(7)9.
1150:77  MREQ85-D  PIC Z(7)9.
1160:77  MREQ80-D  PIC Z(7)9.
1170:77  MREQ75-D  PIC Z(7)9.
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1180:77  TREQ-D     PIC Z(7)9.
1190:77  MTREQ-D    PIC Z(7)9.
1200:01  PREC.
1210:      03  PFY  PIC XX.
1220:      03  PCUS  PIC XXX.
1230:      03  PDRAW  PIC X.
1240\03 PERDRAW\PIC 9V9(4).
1250\03 POC\PIC X.
1260\03 PEROC\PIC 9V9(4).
1270\03 PACFT\PIC 9V9(4).
1280\03 PMISS\PIC 9V9(4).
1290\03 PENG\PIC 9V9(4).
1300\03 PONEI\PIC 9V9(4).
1310\03 PFXCH\PIC 9V9(4).
1320\03 PABN\PIC 9V9(4).
1330\03 FILLER\PIC X.
1340:01 PRTAB.
1350\03 PR-NTRY OCCURS 60 TIMES.
1360\   05 PRW23\PIC XX.
1370\   05 PRI23\PIC 99.
1380:01 MREC.
1390:   02 M1.
1400\03 FILLER\PIC X(4).
1410\03 FY\PIC XX.
1420\03 RGC\PIC X.
1430\03 FILLER\PIC X(2 ).
1440\03 WBS.
1450\   05 FILLER\PIC X.
1460\   05 WBS23\PIC XX.
1470\   05 FILLER\PIC XX.
1480\03 CUS\PIC XXX.
1490\03 OC\PIC X.
1500\03 FILLER\PIC X(4).
1510\03 DRAW\PIC X.
1520\03 D\PIC 9(7).
1530\03 FILLER\PIC X(5).
1540:   02 CUSS\PIC 9.
1550:01 PRREC.
1560\03 PRWBS23\PIC XX.
1570\03 FILLER\PIC X.
1580\03 PR1\PIC 99.
1590\03 FILLER\PIC X.
1600:01 TREC.
1610:   02 T1.
1620\03 FILLER\PIC X(4).
1630\03 TFY\PIC XX.
1640\03 TRGC\PIC X.
1650\03 FILLER\PIC X(2 ).
1660\03 TWBS.
1670\   05 FILLER\PIC X.
1680\   05 TWBS23\PIC XX.
1690\   05 FILLER\PIC XX.
1700\03 TCUS\PIC XXX.
1710\03 TOC\PIC X.
1720\03 FILLER\PIC X(4).
1730\03 TDRAW\PIC X.
1740\03 TD\PIC 9(7).
1750\03 FILLER\PIC X(5).
1760:   02 TP\PIC 99.
1770:   02 TDALL\PIC 9(7).
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1780:  02 FILLER\PIC XXX.
1790:  02 TCUSS\PIC X.
1800:01 RQREC.
1810\03 RFY\PIC XX.
1820\03 RCUS\PIC XXX.
1830\03 RDRAW\PIC X.
1840\03 ROC\PIC X.
1850\03 RACFT\PIC 9(7).
1860\03 RMISS\PIC 9(7).
1870\03 RENG\PIC 9(7).
1880\03 ROMEI\PIC 9(7).
1890\03 REXCH\PIC 9(7).
1900\03 RABM\PIC 9(7).
1910\03 FILLER\PIC X(5).
1920:01 REQTAB.
1930:  02 RQCUS OCCURS 9.
1940\03 RQDRAW OCCURS 3.
1950\  05 RQOC OCCURS 4.
1960\     07 RQA\PIC 9(7).
1970\     07 RQM\PIC 9(7).
1980\     07 RQEN\PIC 9(7).
1990\     07 RQOM\PIC 9(7).
2000\     07 RQEX\PIC 9(7).
2010\     07 RQAB\PIC 9(7).
2020:01 ARLC.
2030:  02 A1.
2040\03 FILLER\PIC X(4).
2050\03 AFY\PIC XX.
2060\03 ARGC\PIC X.
2070\03 FILLER\PIC X(2).
2080\03 AWBS.
2090\  05 FILLER\PIC X.
2100\  05 AWBS23\PIC XX.
2110\  05 FILLER\PIC XX.
2120\03 ACUS\PIC XXX.
2130\03 AOC\PIC X.
2140\03 FILLER\PIC X(4).
2150\03 ADRAW\PIC X.
2160\03 AD\PIC 9(7).
2170\03 FILLER\PIC X(5).
2180:  02 AP\PIC 99.
2190:  02 ADALL\PIC 9(7).
2200:  02 FILLER\PIC XXX.
2210:  02 ACUSS\PIC X.
2220:01 DTAB.
2230:  02 DCUS OCCURS 9.
2240\03 DDRAW OCCURS 3.
2250\  05 DOC OCCURS 2.
2260\     07 DA\PIC 9(7).
2270\     07 DM\PIC 9(7).
2280\     07 DEN\PIC 9(7).
2290\     07 DOM\PIC 9(7).
2300\     07 DEX\PIC 9(7).
2310\     07 DAB\PIC 9(7).
2320:01 DIFTAB.
2330:  02 D1 OCCURS 9.
2340\03 D2 OCCURS 3.
2350\  05 D3 OCCURS 2.
2360\     07 DIFDA\PIC S9(7).
2370\     07 DIFDM\PIC S9(7).
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2380\     07 DIFDEN\PIC S9(7).
2390\     07 DIFDOM\PIC S9(7).
2400\     07 DIFDEX\PIC S9(7).
2410\     07 DIFDAB\PIC S9(7).
2420:01 CUSTAB.
2430\03 FILLER\PIC X(27) VALUE
2440\"AFRANGDA DAFDN MACMAPSYSOTH".
2450:01 CTAB REDEFINES CUSTAB.
2460\03 CUST\PIC XXX OCCURS 9.
2470:01 CDOLTAB.
2480\03 CUSTDOL\PIC 9(7) OCCURS 9.
2490:01 DREC.
2500\03 DFY\PIC XX.
2510\03 DBUD\PIC 9(7).
2520\03 DAFR\PIC 9(7).
2530\03 DANG\PIC 9(7).
2540\03 DDA\PIC 9(7).
2550\03 DDAF\PIC 9(7).
2560\03 DDN\PIC 9(7).
2570\03 DMAC\PIC 9(7).
2580\03 DMAP\PIC 9(7).
2590\03 DSYS\PIC 9(7).
2600\03 DOTH\PIC 9(7).
2610:PROCEDURE DIVISION.
2620:START-0.
2630\OPEN INPUT PERFILE MODFILE DOLFILE REQFILE.
2640\OPEN OUTPUT TEMFILE ALLFILE.
2650:MOVE-5.
2660\MOVE ZERO TO DTAB DIFTAB.
2670\MOVE ZERO TO REQTAB.
2680:OPEN-6.
2690\OPEN INPUT PRIFILE.
2700:READ-7.
2710\READ PRIFILE AT END GO TO CLOSE-8.
2720\MOVE PRIREC TO PRREC.
2730\ADD 1 TO PPTR.
2740\MOVE PRWBS23 TO PRW23 (PPTR).
2750\MOVE PRI TO PRI23 (PPTR).
2760\GO TO READ-7.
2770:CLOSE-8.
2780\CLOSE PRIFILE.
2790\MOVE PPTR TO PPTRD.
2800\DISPLAY " EOF ON PRIFILE = " PPTRD.
2810:READ-10.
2820\READ DOLFILE AT END GO TO READ-20.
2830\MOVE DOLREC TO DREC.
2840\MOVE DAFR TO CUSTDOL (1).
2850\MOVE DANG TO CUSTDOL (2).
2860\MOVE DDA TO CUSTDOL (3).
2870\MOVE DDAF TO CUSTDOL (4).
2880\MOVE DDN TO CUSTDOL (5).
2890\MOVE DMAC TO CUSTDOL (6).
2900\MOVE DMAP TO CUSTDOL (7).
2910\MOVE DSYS TO CUSTDOL (8).
2920\MOVE DOTH TO CUSTDOL (9).
2930:READ-20.
2940\READ PERFILE AT END GO TO READ-80.
2950\ADD 1 TO PERCNT.
2960\MOVE PERREC TO PREC.
2970:IF-30.
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2980\IF DFY NOT = PFY AND EFLAG = 1 MOVE 0 TO EFLAG
2990\GO TO READ-80.
3000\IF DFY NOT = PFY GO TO READ-20.
3010\IF EFLAG = 1 GO TO CHECK-40.
3020\MOVE 1 TO EFLAG.
3030:SUB1-35.
3040\MOVE 1 TO SUB1.
3050:CHECK-40.
3060\IF PCUS = CUST (SUB1) GO TO PDRAW-50.
3070\IF PCUS = "OTH" MOVE 9 TO SUB1 GO TO CHECK-40.
3080\IF PCUS = "SYS" MOVE 8 TO SUB1 GO TO CHECK-40.
3090\ADD 1 TO SUB1.
3100\MOVE SUB1 TO S-1.
3110\IF SUB1 > 9 DISPLAY "BAD CUS IN PERFILE  " PCUS
3120\"  PREC = " PREC S-1 GO TO END-440.
3130\GO TO CHECK-40.
3140:PDRAW-50.
3150\IF PDRAW = "D" MOVE 1 TO SUB2 GO TO POC-60.
3160\IF PDRAW = "R" MOVE 2 TO SUB2 GO TO POC-60.
3170\MOVE 3 TO SUB2.
3180:POC-60.
3190\IF POC = "O" MOVE 1 TO SUB3 ELSE
3200\MOVE 2 TO SUB3.
3210:PCALC-70.
3220\MULTIPLY PERDRAW BY CUSTDOL (SUB1) GIVING
3230\DRDRAW ROUNDED.
3240\MULTIPLY PEROC BY DRDRAW GIVING ODOC ROUNDED.
3250\MULTIPLY PACFT BY ODOC GIVING DA (SUB1,SUB2,SUB3)
3260\ROUNDED.
3270\MULTIPLY PMISS BY ODOC GIVING DM (SUB1,SUB2,SUB3)
3280\ROUNDED.
3290\MULTIPLY PENG BY ODOC GIVING DEN (SUB1,SUB2,SUB3)
3300\ROUNDED.
3310\MULTIPLY POMEI BY ODOC GIVING DOM (SUB1,SUB2,SUB3)
3320\ROUNDED.
3330\MULTIPLY PEXCH BY ODOC GIVING DEX (SUB1,SUB2,SUB3)
3340\ROUNDED.
3350\MULTIPLY PABM BY ODOC GIVING DAB (SUB1,SUB2,SUB3)
3360\ROUNDED.
3370\GO TO READ-20.
3380:READ-80.
3390\READ REQFILE AT END GO TO READ-100.
3400\ADD 1 TO REQCNT.
3410\MOVE REQREC TO RQREC.
3420\IF DFY NOT = RFY GO TO READ-80.
3430:PER-90.
3440\MOVE RCUS TO CUS MOVE RDRAW TO DRAW.
3450\MOVE ROC TO OC.
3460\PERFORM CUS-130 THRU OC-150.
3470\MOVE RACFT TO RQA (SUB1,SUB2,SUB3).
3480\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3490\DISPLAY " DA/RQA   " S-1 "  " S-2 "  " S-3 "  "
3500\ DA (SUB1,SUB2,SUB3) "   " RQA (SUB1,SUB2,SUB3).
3510\MOVE RMISS TO RQM (SUB1,SUB2,SUB3).
3520\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3530\DISPLAY " DM/RQM   " S-1 "  " S-2 "  " S-3 "  "
3540\ DM (SUB1,SUB2,SUB3) "   " RQM (SUB1,SUB2,SUB3).
3550\MOVE RENG TO RQEN (SUB1,SUB2,SUB3).
3560\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3570\DISPLAY "DEN/RQEN  " S-1 "  " S-2 "  " S-3 "  "
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3580\ DEN (SUB1,SUB2,SUB3) "   " RQEN (SUB1,SUB2,SUB3),
3590\MOVE ROMEI TO RQOM (SUB1,SUB2,SUB3),
3600\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3610\DISPLAY "DOM/RQOM  " S-1 "  " S-2 "  " S-3 "  "
3620\ DOM (SUB1,SUB2,SUB3) "   " RQOM (SUB1,SUB2,SUB3),
3630\MOVE REXCH TO RQEX (SUB1,SUB2,SUB3),
3640\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3650\DISPLAY "DEX/RQEX  " S-1 "  " S-2 "  " S-3 "  "
3660\ DEX (SUB1,SUB2,SUB3) "   " RQEX (SUB1,SUB2,SUB3),
3670\MOVE RABM TO RQAB (SUB1,SUB2,SUB3),
3680\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3.
3690\DISPLAY "DAB/RQAB  " S-1 "  " S-2 "  " S-3 "  "
3700\ DAB (SUB1,SUB2,SUB3) "   " RQAB (SUB1,SUB2,SUB3),
3710\GO TO READ-80.
3720:READ-100.
3730\READ MODFILE AT END GO TO CHECK-430.
3740\ADD 1 TO MODCNT.
3750\MOVE MODREC TO MREC.
3760:    IF CUS NOT = CUS-H  MOVE MODCNT TO DISCNT
3770:        DISPLAY " CUS CHG " CUS-H "," CUS " AT " DISCNT
3780:        MOVE CUS TO CUS-H.
3790:IF-110.
3800\IF FY NOT = DFY AND EFLAG = 1 GO TO END-440.
3810\IF FY NOT = DFY GO TO READ-80.
3820\MOVE 1 TO EFLAG.
3830\IF MODCNT = 1 MOVE CUS TO HCUS MOVE CUSS TO HCUSS
3840\MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW
3850\MOVE OC TO HOC MOVE RGC TO HRGC.
3860:CHECK-120.
3870\IF CUSS NOT = HCUSS AND LFLAG = 1 GO TO REW-320.
3880\IF DRAW NOT = HDRAW AND LFLAG = 1 GO TO REW-320.
3890\IF OC NOT = HOC AND LFLAG = 1 GO TO REW-320.
3900\IF CUSS NOT = HCUSS  OR  DRAW NOT = HDRAW  OR  OC NOT = HOC
3910::MOVE  CUSS TO HCUSS  MOVE DRAW TO HDRAW  MOVE OC TO HOC.
3920\IF (RGC NOT = "A" AND "B") AND RFLAG = 1 GO TO REW-320.
3930\IF (RGC NOT = "C" AND "D") AND RFLAG = 2 GO TO REW-320.
3940\IF (RGC NOT = "E" AND "F") AND RFLAG = 3 GO TO REW-320.
3950\IF (RGC NOT = "G" AND "H") AND RFLAG = 4 GO TO REW-320.
3960\IF (RGC NOT = "J" AND "K" AND "L") AND RFLAG = 5
3970\GO TO REW-320.
3980\IF (RGC NOT = "M" AND "N" AND "P" AND "R" AND "S") AND
3990\RFLAG = 6 GO TO REW-320.
4000:CUS-130.
4010\IF FLAG = 1 GO TO END-440.
4020\IF CUS = "AFR" MOVE 1 TO SUB1 GO TO DRAW-140.
4030\IF CUS = "ANG" MOVE 2 TO SUB1 GO TO DRAW-140.
4040\IF CUS = "DA " MOVE 3 TO SUB1 GO TO DRAW-140.
4050\IF CUS = "DAF" MOVE 4 TO SUB1 GO TO DRAW-140.
4060\IF CUS = "DN " MOVE 5 TO SUB1 GO TO DRAW-140.
4070\IF CUS = "MAC" MOVE 6 TO SUB1 GO TO DRAW-140.
4080\IF CUS = "MAP" MOVE 7 TO SUB1 GO TO DRAW-140.
4090\IF CUS = "SYS" MOVE 8 TO SUB1 GO TO DRAW-140.
4100\MOVE 9 TO SUB1.
4110:DRAW-140.
4120\IF DRAW = "D" MOVE 1 TO SUB2 GO TO OC-150.
4130\IF DRAW = "R" MOVE 2 TO SUB2 GO TO OC-150.
4140\MOVE 3 TO SUB2.
4150:OC-150.
4160\IF OC = "O" MOVE 1 TO SUB3 ELSE MOVE 2 TO SUB3.
4170:COMPARE-160.
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4180\IF RGC = "A" OR "B" GO TO ACFT-170.
4190\IF RGC = "C" OR "D" GO TO MISS-180.
4200\IF RGC = "E" OR "F" GO TO ENG-190.
4210\IF RGC = "G" OR "H" GO TO OMEI-200.
4220\IF RGC = "J" OR "K" OR "L" GO TO EXCH-210.
4230\IF DAB (SUB1,SUB2,SUB3) < RQAB (SUB1,SUB2,SUB3)
4240\GO TO LESS-230 ELSE GO TO SURP-220.
4250:ACFT-170.
4260\IF DA (SUB1,SUB2,SUB3) < RQA (SUB1,SUB2,SUB3)
4270\GO TO LESS-230 ELSE GO TO SURP-220.
4280:MISS-180.
4290\IF DM (SUB1,SUB2,SUB3) < RQM (SUB1,SUB2,SUB3)
4300\GO TO LESS-230 ELSE GO TO SURP-220.
4310:ENG-190.
4320\IF DEN (SUB1,SUB2,SUB3) < RQEN (SUB1,SUB2,SUB3)
4330\GO TO LESS-230 ELSE GO TO SURP-220.
4340:OMEI-200.
4350\IF DOM (SUB1,SUB2,SUB3) < RQOM (SUB1,SUB2,SUB3)
4360\GO TO LESS-230 ELSE GO TO SURP-220.
4370:EXCH-210.
4380\IF DEX (SUB1,SUB2,SUB3) < RQEX (SUB1,SUB2,SUB3)
4390\GO TO LESS-230.
4400:SURP-220.
4410\MOVE M1 TO A1.
4420\MOVE CUSS TO ACUSS.
4430\MOVE D TO ADALL.
4440\PERFORM OPEN-240 THRU EXIT-280.
4450\WRITE ALLREC FROM AREC.
4460\ADD 1 TO ALLCNT.
4470\GO TO READ-10.
4480:LESS-230.
4490\MOVE 1 TO LFLAG.
4500:OPEN-240.
4510\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP
4520\GO TO EXIT-280.
4530\MOVE 1 TO PPTRX.
4540:CHK-250.
4550\IF WBS23 = PRW23 (PPTRX) MOVE PRI23 (PPTRX) TO AP TP
4560\GO TO EXIT-280.
4570\ADD 1 TO PPTRX.
4580\IF PPTRX > PPTR GO TO MOVE-260.
4590\GO TO CHK-250.
4600:MOVE-260.
4610\MOVE 60 TO AP TP.
4620:EXIT-280.
4630\EXIT.
4640:IF-290.
4650\IF TP NOT < 1 AND TP NOT > 14 MOVE 1.0 TO PERCENT
4660\GO TO MOVE-300.
4670\IF TP NOT < 15 AND TP NOT > 25 MOVE 0.9 TO PERCENT
4680\GO TO MOVE-300.
4690\IF TP NOT < 26 AND TP NOT > 33 MOVE 0.85 TO PERCENT
4700\GO TO MOVE-300.
4710\IF TP NOT < 34 AND TP NOT > 46 MOVE 0.8 TO PERCENT
4720\GO TO MOVE-300.
4730\MOVE 0.75 TO PERCENT.
4740:MOVE-300.
4750\MOVE M1 TO T1.
4760\MOVE CUSS TO TCUSS.
4770:RGC-310.
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4780\IF RGC = "A" OR "B" MOVE 1 TO RFLAG
4790\COMPUTE TDALL ROUNDED = PERCENT * D
4800\COMPUTE DIFDA (SUB1,SUB2,SUB3) = DIFDA (SUB1,SUB2,SUB3)
4810\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4820\GO TO P315-ADD.
4830\IF RGC = "C" OR "D" MOVE 2 TO RFLAG
4840\COMPUTE TDALL ROUNDED = PERCENT * D
4850\COMPUTE DIFDM (SUB1,SUB2,SUB3) = DIFDM (SUB1,SUB2,SUB3)
4860\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4870\GO TO P315-ADD.
4880\IF RGC = "E" OR "F" MOVE 3 TO RFLAG
4890\COMPUTE TDALL ROUNDED = PERCENT * D
4900\COMPUTE DIFDEN (SUB1,SUB2,SUB3) = DIFDEN (SUB1,SUB2,SUB3)
4910\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4920\GO TO P315-ADD.
4930\IF RGC = "G" OR "H" MOVE 4 TO RFLAG
4940\COMPUTE TDALL ROUNDED = PERCENT * D
4950\COMPUTE DIFDOM (SUB1,SUB2,SUB3) = DIFDOM (SUB1,SUB2,SUB3)
4960\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
4970\GO TO P315-ADD.
4980\IF RGC = "J" OR "K" OR "L" MOVE 5 TO RFLAG
4990:     ADD D TO TEMTOT
5000\COMPUTE TDALL ROUNDED = PERCENT * D
5010:     ADD TDALL TO FUDTOT
5020\COMPUTE DIFDEX (SUB1,SUB2,SUB3) = DIFDEX (SUB1,SUB2,SUB3)
5030\+ TDALL WRITE TEMREC FROM TREC ADD 1 TO TEMCNT
5040\GO TO P315-ADD.
5050\MOVE 6 TO RFLAG.
5060\COMPUTE TDALL ROUNDED = PERCENT * D.
5070\COMPUTE DIFDAB (SUB1,SUB2,SUB3) = DIFDAB (SUB1,SUB2,SUB3)
5080\+ TDALL.
5090\WRITE TEMREC FROM TREC.
5100\ADD 1 TO TEMCNT.
5110\GO TO P315-ADD.
5120:P315-ADD.
5130:     IF PERCENT > .97  ADD D TO REQ100  ADD TDALL TO MREQ100
5140:         GO TO READ-100.
5150:     IF PERCENT > .87  ADD D TO REQ90   ADD TDALL TO MREQ90
5160:         GO TO READ-100.
5170:     IF PERCENT > .83  ADD D TO REQ85   ADD TDALL TO MREQ85
5180:         GO TO READ-100.
5190:     IF PERCENT > .77  ADD D TO REQ80   ADD TDALL TO MREQ80
5200:         GO TO READ-100.
5210:     IF PERCENT > .73  ADD D TO REQ75   ADD TDALL TO MREQ75
5220:         GO TO READ-100.
5230:     MOVE PERCENT TO PEROC.
5240:     DISPLAY " PERCENT ERROR FOR FUDGE " PEROC.
5250:     GO TO END-440.
5260:REW-320.
5270\CLOSE TEMFILE.
5280\OPEN INPUT TEMFILE.
5290:     MOVE TEMTOT TO DISCNT.
5300:     DISPLAY "$ FOR TEMFILE " DISCNT.
5310:     MOVE FUDTOT TO DISCNT.
5320:     DISPLAY "$ TO  TEMFILE " DISCNT.
5330:     MOVE 0 TO TEMTOT.
5340:     MOVE TEMCNT TO DISCNT.
5350:     DISPLAY "RECS TO TEMFILE " DISCNT.
5360:     MOVE 0 TO TEMCNT.
5370:     MOVE 0 TO FUDTOT.
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5380\MOVE 0 TO LFLAG.
5390:     MOVE REQ100 TO REQ100-D.
5400:     MOVE REQ90 TO   REQ90-D.
5410:     MOVE REQ85 TO   REQ85-D.
5420:     MOVE REQ80 TO REQ80-D.
5430:     MOVE REQ75 TO REQ75-D.
5440:     MOVE MREQ100 TO MREQ100-D.
5450:     MOVE MREQ90 TO MREQ90-D.
5460:     MOVE MREQ85 TO MREQ85-D.
5470:     MOVE MREQ80 TO MREQ80-D.
5480:     MOVE MREQ75 TO MREQ75-D.
5490:     DISPLAY " VALUES FOR FUDGE" REQ100-D REQ90-D REQ85-D REQ80-D
5500:         REQ75-D "; " MREQ100-D MREQ90-D MREQ85-D MREQ80-D
5510:         MREQ75-D.
5520:IF-330.
5530\COMPUTE COUNTER = COUNTER + 1.
5540\IF RFLAG = 1 GO TO ACFT-340.
5550\IF RFLAG = 2 GO TO MISS-350.
5560\IF RFLAG = 3 GO TO ENG-360.
5570\IF RFLAG = 4 GO TO OMEI-370.
5580\IF RFLAG = 5 GO TO EXCH-380.
5590\IF DIFDAB (SUB1,SUB2,SUB3) NOT < 0 AND
5600\DIFDAB (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5610\COMPUTE FUDGE ROUNDED = DAB (SUB1,SUB2,SUB3) /
5620\  DIFDAB (SUB1,SUB2,SUB3).
5630\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5640\  MOVE FUDGE TO FUD.
5650\DISPLAY "DIFDAB/RQAB   " S-1 "   " S-2 "   " S-3 "   "
5660\  DAB (SUB1,SUB2,SUB3) "    "
5670\  DIFDAB (SUB1,SUB2,SUB3) "    " RQAB (SUB1,SUB2,SUB3) "    "
5680\  FUD " = FUDGE".
5690:     IF FUDGE < 1.001  GO TO READ-390.
5700:     MOVE DAB (SUB1,SUB2,SUB3) TO ALLOC.
5710:     GO TO P385-FUDGE.
5720:ACFT-340.
5730\IF DIFDA (SUB1,SUB2,SUB3) NOT < 0 AND
5740\DIFDA (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5750\COMPUTE FUDGE ROUNDED = DA (SUB1,SUB2,SUB3) /
5760\  DIFDA (SUB1,SUB2,SUB3).
5770\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5780\  MOVE FUDGE TO FUD.
5790\DISPLAY " DIFDA/RQA    " S-1 "   " S-2 "   " S-3 "   "
5800\  DA (SUB1,SUB2,SUB3) "    "
5810\  DIFDA (SUB1,SUB2,SUB3) "    " RQA (SUB1,SUB2,SUB3) "    "
5820\  FUD " = FUDGE".
5830:     IF FUDGE < 1.001  GO TO READ-390.
5840:     MOVE DA (SUB1,SUB2,SUB3) TO ALLOC.
5850:     GO TO P385-FUDGE.
5860:MISS-350.
5870\IF DIFDM (SUB1,SUB2,SUB3) NOT < 0 AND
5880\DIFDM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
5890\COMPUTE FUDGE ROUNDED = DM (SUB1,SUB2,SUB3) /
5900\  DIFDM (SUB1,SUB2,SUB3).
5910\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
5920\  MOVE FUDGE TO FUD.
5930\DISPLAY " DIFDM/RQM    " S-1 "   " S-2 "   " S-3 "   "
5940\  DM (SUB1,SUB2,SUB3) "    "
5950\  DIFDM (SUB1,SUB2,SUB3) "    " RQM (SUB1,SUB2,SUB3) "    "
5960\  FUD " = FUDGE".
5970:     IF FUDGE < 1.0001  GO TO READ-390.
```

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5980:     MOVE DM (SUB1,SUB2,SUB3) TO ALLOC.
5990:     GO TO P385-FUDGE.
6000:ENG-360.
6010\IF DIFDEN (SUB1,SUB2,SUB3) NOT < 0 AND
6020\DIFDEN (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6030\COMPUTE FUDGE ROUNDED = DEN (SUB1,SUB2,SUB3) /
6040\ DIFDEN (SUB1,SUB2,SUB3).
6050\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6060\ MOVE FUDGE TO FUD.
6070\DISPLAY "DIFDEN/RQEN  " S-1 "  " S-2 "  " S-3 "  "
6080\ DEN (SUB1,SUB2,SUB3) "  "
6090\ DIFDEN (SUB1,SUB2,SUB3) "  " RQEN (SUB1,SUB2,SUB3) "  "
6100\ FUD " = FUDGE".
6110:     IF FUDGE < 1.001  GO TO READ-390.
6120:     MOVE DEN (SUB1,SUB2,SUB3) TO ALLOC.
6130:     GO TO P385-FUDGE.
6140:ONEI-370.
6150\IF DIFDOM (SUB1,SUB2,SUB3) NOT < 0 AND
6160\DIFDOM (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6170\COMPUTE FUDGE ROUNDED = DOM (SUB1,SUB2,SUB3) /
6180\ DIFDOM (SUB1,SUB2,SUB3).
6190\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6200\ MOVE FUDGE TO FUD.
6210\DISPLAY "DIFDOM/RQOM  " S-1 "  " S-2 "  " S-3 "  "
6220\ DOM (SUB1,SUB2,SUB3) "  "
6230\ DIFDOM (SUB1,SUB2,SUB3) "  " RQOM (SUB1,SUB2,SUB3) "  "
6240\ FUD " = FUDGE".
6250:     IF FUDGE < 1.001  GO TO READ-390.
6260:     MOVE DOM (SUB1,SUB2,SUB3) TO ALLOC.
6270:     GO TO P385-FUDGE.
6280:EXCH-380.
6290\IF DIFDEX (SUB1,SUB2,SUB3) NOT < 0 AND
6300\DIFDEX (SUB1,SUB2,SUB3) NOT > 5 GO TO DUMP-420.
6310\COMPUTE FUDGE ROUNDED = DEX (SUB1,SUB2,SUB3) /
6320\ DIFDEX (SUB1,SUB2,SUB3).
6330\MOVE SUB1 TO S-1 MOVE SUB2 TO S-2 MOVE SUB3 TO S-3
6340\ MOVE FUDGE TO FUD.
6350\DISPLAY "DIFDEX/RQEX  " S-1 "  " S-2 "  " S-3 "  "
6360\ DEX (SUB1,SUB2,SUB3) "  "
6370\ DIFDEX (SUB1,SUB2,SUB3) "  " RQEX (SUB1,SUB2,SUB3) "  "
6380:         FUD " = FUDGE ".
6390:     IF FUDGE < 1.001  GO TO READ-390.
6400:     MOVE DEX (SUB1,SUB2,SUB3) TO ALLOC.
6410:P385-FUDGE.
6420:     COMPUTE TREQ = REQ100 + REQ90 + REQ85 + REQ80 + REQ75.
6430:     COMPUTE MTREQ = MREQ100 + MREQ90 + MREQ85 + MREQ80 +
6440:         MREQ75.
6450:     MOVE TREQ TO TREQ-D.
6460:     MOVE MTREQ TO MTREQ-D.
6470:     MOVE ALLOC TO ALLOC-D.
6480:     DISPLAY " TOTAL REQ " TREQ-D "  MODIFIED TOTAL REQ "
6490:         MTREQ-D "  MAX ALLOC " ALLOC-D.
6500:     COMPUTE X1 ROUNDED = ( ALLOC - REQ 00 ) /
6510:         ( MREQ90 + MREQ85 + MREQ80 + MREQ75 ).
6520:     IF X1 < 1.1111  MOVE X1 TO X0  GO TO P387-DISPLAY.
6530:     COMPUTE X2 ROUNDED = ( ALLOC - REQ100 - REQ90 ) /
6540:         ( MREQ85 + MREQ80 + MREQ75 ).
6550:     IF X2 < 1.1765  MOVE X2 TO X0  GO TO P387-DISPLAY.
6560:     COMPUTE X3 ROUNDED = ( ALLOC - REQ100 - REQ90 - REQ85 ) /
6570:         ( MREQ80 + MREQ75 ).
```

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6580:     IF X3 < 1,250  MOVE X3 TO X0  GO TO P387-DISPLAY.
6590:     COMPUTE X4 ROUNDED =
6600:         ( ALLOC - REQ100 - REQ90 - REQ85 - REQ80 ) / MREQ75.
6610:     IF X4 < 1,3334  MOVE X4 TO X0  GO TO P387-DISPLAY.
6620:     MOVE 0 TO X0.
6630:P387-DISPLAY.
6640:     MOVE X0 TO X0-D.
6650:     MOVE X1 TO X1-D.
6660:     MOVE X2 TO X2-D.
6670:     MOVE X3 TO X3-D.
6680:     MOVE X4 TO X4-D.
6690:     MOVE FUDGE TO FUD.
6700:     DISPLAY " FUDGE = " FUD "  X1=" X1-D "  X2=" X2-D "  X3="
6710:         X3-D "  X4=" X4-D "  FINAL FUDGE=" X0-D.
6720:     MOVE X0 TO FUDGE.
6730:     IF FUDGE < 0.9999  GO TO END-440.
6740:     MOVE 0 TO X0.
6750:     MOVE 0 TO X1.
6760:     MOVE 0 TO X2.
6770:     MOVE 0 TO X3.
6780:     MOVE 0 TO X4.
6790:READ-390.
6800:     READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
6810\MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE 0 TO RFLAG
6820\MOVE OC TO HOC CLOSE TEMFILE OPEN OUTPUT TEMFILE
6830:         MOVE TEMTOT TO DISCNT
6840:         DISPLAY " # OF NON CHANGES AFTER FUDGE " DISCNT
6850:         MOVE FUDTOT TO DISCNT
6860:         DISPLAY " SUM OF NON CHANGES AFTER FUDGE " DISCNT
6870:         MOVE 0 TO TEMTOT
6880:         MOVE 0 TO FUDTOT
6890:         MOVE 0 TO REQ100
6900:         MOVE 0 TO REQ90
6910:         MOVE 0 TO REQ85
6920:         MOVE 0 TO REQ80
6930:         MOVE 0 TO REQ75
6940:         MOVE 0 TO MREQ100
6950:         MOVE 0 TO MREQ90
6960:         MOVE 0 TO MREQ85
6970:         MOVE 0 TO MREQ80
6980:         MOVE 0 TO MREQ75
6990:         DISPLAY " TOTAL ALLOC TO TAPE " FUDSUM
7000:         MOVE 0 TO FUDSUM
7010\GO TO CUS-130.
7020\MOVE TEMREC TO AREC.
7030:     MOVE ADALL TO TWM-VAL.
7040\COMPUTE ADALL ROUNDED = ADALL * FUDGE.
7050:     IF TWM-VAL = ADALL  ADD 1 TO TEMTOT
7060:     ADD ADALL TO FUDTOT.
7070:     IF ADALL > AD  MOVE AD TO ADALL.
7080:     ADD ADALL TO FUDSUM.
7090:WRITE-400.
7100\WRITE ALLREC FROM AREC.
7110\ADD 1 TO ALLCNT.
7120:GO-410.
7130\GO TO READ-39 .
7140:DUMP-420.
7150\READ TEMFILE AT END MOVE CUS TO HCUS MOVE CUSS TO HCUSS
7160\MOVE WBS23 TO HWBS23 MOVE DRAW TO HDRAW MOVE OC TO HOC
7170\CLOSE TEMFILE OPEN OUTPUT TEMFILE MOVE 0 TO RFLAG
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7180\GO TO CUS-130.
7190\MOVE TEMREC TO AREC.
7200\PERFORM WRITE-400.
7210\GO TO DUMP-42 .
7220:CHECK-430.
7230\IF LFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.
7240\IF RFLAG NOT = 0 MOVE 1 TO FLAG GO TO REW-320.
7250:END-440.
7260\MOVE PERCNT TO DISCNT.
7270\DISPLAY "NO. OF PERCENT REC READ = " DISCNT.
7280\MOVE MODCNT TO DISCNT.
7290\DISPLAY "NO. OF REQ REC READ = " DISCNT.
7300\MOVE TEMCNT TO DISCNT.
7310\DISPLAY "TOTAL NO. OF TEMP REC WRITTEN = " DISCNT.
7320\MOVE ALLCNT TO DISCNT.
7330\DISPLAY "NO. OF ALLOC REC WRITTEN = " DISCNT.
7340\MOVE REQCNT TO DISCNT.
7350\DISPLAY "NO. OF REQ DOL REC READ = " DISCNT.
7360\CLOSE PERFILE MODFILE DOLFILE TEMFILE ALLFILE REQFILE.
7370\STOP RUN.
7380$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODREQ,R

010#N,R(AC)
020$:IDENT:WP0955,LORER(81)  CJW    72751  MODREQ,R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1)
090:SEQ:(A5,A6,A8,A2)
100:PICK:SELECT,(5),(=5H  DAF)
110:FILCB:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,2K
150$:TAPE:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:S4,A1S,3 L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODREQ,O
220$:EXECUTE
230$:LIMITS:15,,,5K
240$:FILE:AA,A1R,3 L
250$:REMOTE:BB,AC
260$:ENDJOB
```

APPENDIX A.6

PROGRAM LISTING - MODREQ.R - MODREQ.S

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CATALOG/FILE DESCRIPTION=  RCS/MODREQ.S

10##MOVE,ROUT(AC) <,7;:,8,16;\,12,30
20$:IDENT:WP0955,LORER(81)  WILHELM  X72751  MODREQ.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODREQ.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODREQ.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130\GTIME IS TODAY.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 FILLER\PIC X(72).
250:FD OTFILE
260\LABEL RECORDS ARE STANDARD
270\REPORT IS CUM-REP.
280:WORKING-STORAGE SECTION.
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 DISCNT\PIC Z(6)9.
320:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
330:77 AMT\PIC 9(7) VALUE 0 COMP-1.
340:77 DATE\PIC X(9).
350:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
360:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
370:77 HLD-ALC\PIC XX VALUE SPACE.
380:77 LCTR\PIC 99 VALUE 0 COMP-1.
390:77 SUB1\PIC 99 VALUE 0 COMP-1.
400:77 SUB2\PIC 99 VALUE 0 COMP-1.
410:77 SUB3\PIC 99 VALUE 0 COMP-1.
420:77 SUB4\PIC 99 VALUE 0 COMP-1.
430:77 CCTR\PIC 99 VALUE 0 COMP-1.
440:77 OCTR\PIC 99 VALUE 0 COMP-1.
450:77 HCTR\PIC 9 VALUE 1 COMP-1.
460:77 HCUS\PIC XXX VALUE SPACE.
470:77 RCTR\PIC 9(7) VALUE 0 COMP-1.
480:77 DCTR\PIC 9(7) VALUE 0 COMP-1.
490:01 DAZE.
500\02 XMO\PIC 99.
510\02 DAT\PIC 99.
520\02 YRX\PIC 99.
530\02 TYME\PIC 9(8) COMP-1.
540:01 DTE.
550\02 DMO\PIC 99.
560\02 FILLDX\PIC X VALUE "/".
570\02 DDT\PIC 99.
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580\02 FILLDY\PIC X VALUE "/".
590\02 DXYR\PIC 99.
600:01 IREC.
610\03 PC\PIC XXXX.
620\03 FY\PIC XX.
630\03 RGC\PIC X.
640\03 KS\PIC X(10).
650\03 MDS\PIC X(1 ).
660\03 WBS\PIC X(5).
670\03 CUS\PIC XXX.
680\03 OC\PIC X.
690\03 FAC\PIC XX.
700\03 ALC\PIC XX.
710\03 DRAW\PIC X.
712\03 RID\PIC XX.
714\03 QTY\PIC 9(7).
720\03 REQ\PIC 9(7).
730\03 MD\PIC X(5).
740\03 PRI\PIC 99.
750\03 ALOC\PIC 9(7).
760\03 FILLER\PIC X.
770:01 SUMTAB.
780: 02  TOC\OCCURS 3.
790\03 TDRAW\OCCURS 4.
800\ 04 TDOL\PIC 9(7) OCCURS 23.
810:01 RTAB.
820:  02 ROC\OCCURS 3.
830\03 RDRAW\OCCURS 4.
840\ 04 DOL\PIC 9(7) OCCURS 23.
850:01 OTAB.
860:  02 OOC\OCCURS 3.
870\03 ODRAW\OCCURS 4.
880\ 04 ODOL\PIC 9(7) OCCURS 23.
890:01 GRTAB.
900:  02 GROC\OCCURS 3.
910\03 GRDRAW\OCCURS 4.
920\ 04 GRDOL\PIC 9(7) OCCURS 23.
930:01 ATAB.
940:  02  AOC\OCCURS 3.
950\03 ADRAW\OCCURS 4.
960\ 04 ADOL\PIC 9(7) OCCURS 23.
970:01 AOTAB.
980:  02 AOOC\OCCURS 3.
990\03 AODRAW\OCCURS 4.
1000\ 04 AODOL\PIC 9(7) OCCURS 23.
1010:01 AGTAB.
1020:  02 AGOC\OCCURS 3.
1030\03 AGDRAW\OCCURS 4.
1040\ 04 AGDOL\PIC 9(7) OCCURS 23.
1050:01 CONRGC.
1060\03 FILLER\PIC X(56)   VALUE
1070\"  A      B      TOT     C      D      TOT     E      F     ".
1080\03 FILLER\PIC X(56) VALUE
1090\" TOT     G      H      TOT     J      K      L      TOT   ".
1100\03 FILLER\PIC X(49) VALUE
1110\"  M      N      P      R      S      TOT    GRN TOT".
1120:01 RGCTAB REDEFINES CONRGC.
1130:  02 TRGC\PIC X(7) OCCURS 23.
1140:01 REQALL.
1150\03 FILLER\SIZE 22 VALUE
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1160\"REQUIREMENTALLOCATIONS".
1170:01 ALRE REDEFINES REQALL.
1180\03 AR\PIC X(11) OCCURS 2.
1190:REPORT SECTION.
1200:RD CUM-REP
1210\CONTROLS ARE HCUS HCTR
1220\PAGE LIMIT IS 60 LINES
1230\HEADING 1
1240\FIRST DETAIL 7.
1250:01 TYPE IS CF HCUS NEXT GROUP IS NEXT PAGE.
1260:  02 LINE PLUS 01.
1270\03 COLUMN 2\SIZE 128 VALUE ALL "*".
1280:01 TYPE IS CH HCTR.
1290:  02 LINE PLUS 02.
1300\03 COLUMN 2\PIC X(11) SOURCE AR (HCTR).
1310:  02 LINE PLUS 0.
1320\03 COLUMN 2\SIZE 11 VALUE ALL "_".
1330:01 TYPE IS PH.
1340:  02 LINE PLUS 01.
1350\03 COLUMN 2\SIZE 4 VALUE "OPR ".
1360\03 COLUMN 7\SIZE 5 VALUE "XBSXX".
1370\03 COLUMN 46\SIZE 24 VALUE "DOLLAR TOTAL BY CUSTOMER".
1380\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER".
1390:  02 LINE PLUS 01.
1400\03 COLUMN 2\SIZE 5 VALUE "DATE ".
1410\03 COLUMN 10\PIC X(9) SOURCE DTE.
1420\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
1430\03 COLUMN 62\PIC XX SOURCE FY.
1440\03 COLUMN 80\SIZE 8 VALUE "CUSTOMER".
1450\03 COLUMN 90\PIC XXX SOURCE HCUS.
1460\03 COLUMN 122\SIZE 4 VALUE "PAGE".
1470\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
1480:  02 LINE PLUS 02.
1490\03 COLUMN 24\SIZE 7  VALUE "ORGANIC".
1500\03 COLUMN 66\SIZE 8  VALUE "CONTRACT".
1510\03 COLUMN 106\SIZE 5 VALUE  "TOTAL".
1520:  02 LINE PLUS 01.
1530\03 COLUMN  14\SIZE 1  VALUE "D".
1540\03 COLUMN 24\SIZE 1 VALUE "R".
1550\03 COLUMN 34\SIZE 1 VALUE "A".
1560\03 COLUMN 42\SIZE 3 VALUE "TOT".
1570\03 COLUMN 56\SIZE 1 VALUE "D".
1580\03 COLUMN 66\SIZE 1 VALUE "R".
1590\03 COLUMN 76\SIZE 1 VALUE "A".
1600\03 COLUMN 84\SIZE 3 VALUE "TOT".
1610\03 COLUMN 98\SIZE 1 VALUE "D".
1620\03 COLUMN 108\SIZE 1 VALUE "R".
1630\03 COLUMN 118\SIZE 1 VALUE "A".
1640\03 COLUMN 126\SIZE 3 VALUE "TOT".
1650:  02 LINE PLUS 0.
1660\03 COLUMN 2\SIZE 128 VALUE ALL "_".
1670:01 RL TYPE DE LINE PLUS 01.
1680\03 COLUMN 2\PIC X(7) SOURCE TRGC (LCTR).
1690\03 COLUMN 10\PIC Z(6)9  SOURCE TDOL (1,1,LCTR).
1700\03 COLUMN 20\PIC Z(6)9    SOURCE TDOL (1,2,LCTR).
1710\03 COLUMN 30\PIC Z(6)9   SOURCE TDOL (1,3,LCTR).
1720\03 COLUMN 40\PIC Z(6)9 SOURCE TDOL (1,4,LCTR).
1730\03 COLUMN 52\PIC Z(6)9 SOURCE TDOL (2,1,LCTR).
1740\03 COLUMN 62\PIC Z(6)9  SOURCE TDOL (2,2,LCTR).
1750\03 COLUMN 72\PIC Z(6)9  SOURCE TDOL (2,3,LCTR).
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1760\03 COLUMN 82\PIC Z(6)9 SOURCE TDOL (2,4,LCTR).
1770\03 COLUMN 94\PIC Z(6)9  SOURCE TDOL (3,1,LCTR).
1780\03 COLUMN 104\PIC Z(6)9  SOURCE TDOL (3,2,LCTR).
1790\03 COLUMN 114\PIC Z(6)9  SOURCE TDOL (3,3,LCTR).
1800\03 COLUMN 124\PIC Z(6)9 SOURCE TDOL (3,4,LCTR).
1810:PROCEDURE DIVISION.
1820:START-0.
1830\OPEN INPUT INFILE OUTPUT OTFILE.
1840\ACCEPT DAZE FROM TODAY.
1850\MOVE XMO TO DMO.
1860\MOVE DAT TO DDT.
1870\MOVE YRX TO DAYR.
1880\INITIATE CUM-REP.
1890\MOVE ZERO TO OTAB AOTAB.
1900\MOVE ZERO TO GRTAB AGTAB.
1910:READ-10.
1920\READ INFILE AT END GO TO END-20.
1930\ADD 1 TO INCNT.
1940\MOVE INREC TO IREC.
1950\IF CUS = HCUS GO TO DO-PROG.
1960\IF HCUS = SPACE GO TO ZERO-SUM.
1970\IF HCUS = "AFR" GO TO GEN-15.
1980\IF HCUS = "ANG" GO TO GEN-15.
1990\IF HCUS = "DA " GO TO GEN-15.
2000\IF HCUS = "DAF" GO TO GEN-15.
2010\IF HCUS = "DN " GO TO GEN-15.
2020\IF HCUS = "MAC" GO TO GEN-15.
2030\IF HCUS = "MAP" GO TO GEN-15.
2040\IF HCUS = "SYS" GO TO GEN-15.
2050\IF ODOL (3,4,23) = 0 GO TO GEN-15.
2060\GO TO GEN-15.
2070:ZERO-SUM.
2080\MOVE ZERO TO SUMTAB ATAB RTAB.
2090\MOVE CUS TO HCUS.
2100\IF CUS = "AFR" MOVE 1 TO CCTR GO TO DO-PROG.
2110\IF CUS = "ANG" MOVE 2 TO CCTR GO TO DO-PROG.
2120\IF CUS = "DA " MOVE 3 TO CCTR GO TO DO-PROG.
2130\IF CUS = "DAF" MOVE 4 TO CCTR GO TO DO-PROG.
2140\IF CUS = "DN " MOVE 5 TO CCTR GO TO DO-PROG.
2150\IF CUS = "MAC" MOVE 6 TO CCTR GO TO DO-PROG.
2160\IF CUS = "MAP" MOVE 7 TO CCTR GO TO DO-PROG.
2170\IF CUS = "SYS" MOVE 8 TO CCTR GO TO DO-PROG.
2180\MOVE 9 TO CCTR.
2190\ADD 1 TO OCTR.
2200\MOVE OTAB TO RTAB.
2210\MOVE AOTAB TO ATAB.
2220:DO-PROG.
2230\IF OC = "C" MOVE 2 TO SUB1.
2240\IF OC = "O" MOVE 1 TO SUB1.
2250\IF DRAW = "D" MOVE 1 TO SUB2 GO TO CHK-RGC.
2260\IF DRAW = "R" MOVE 2 TO SUB2 GO TO CHK-RGC.
2270\IF DRAW = "A" MOVE 3 TO SUB2 GO TO CHK-RGC.
2280\ADD 1 TO DCTR.
2290\IF DRAW = "W" GO TO WRONG-DRAW ELSE GO TO READ-10.
2291:WRONG-DRAW.
2292\MOVE INCNT TO DISCNT.
2293\DISPLAY "NOT USED DRAW " DRAW DISCNT IREC.
2294\MOVE DCTR TO DISCNT.
2295\DISPLAY "THIS MANY " DISCNT.
2296\GO TO READ-10.
```

```
2300:CHK-RGC.
2310\IF RGC = "A" MOVE 1 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2320\IF RGC = "B" MOVE 2 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2330\IF RGC = "C" MOVE 4 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2340\IF RGC = "D" MOVE 5 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2350\IF RGC = "E" MOVE 7 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2360\IF RGC = "F" MOVE 8 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2370\IF RGC = "G" MOVE 10 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2380\IF RGC = "H" MOVE 11 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2390\IF RGC = "J" MOVE 13 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2400\IF RGC = "K" MOVE 14 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2410\IF RGC = "L" MOVE 15 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2420\IF RGC = "M" MOVE 17 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2430\IF RGC = "N" MOVE 18 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2440\IF RGC = "P" MOVE 19 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2450\IF RGC = "R" MOVE 20 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2460\IF RGC = "S" MOVE 21 TO SUB3 PERFORM ADD-LINE GO TO CHK-ST.
2470\ADD 1 TO RCTR.
2472\MOVE RCTR TO DISCNT.
2474\DISPLAY "INVALID RGC " RGC DISCNT IREC.
2476\MOVE INCNT TO DISCNT.
2477\DISPLAY "THIS REC " DISCNT.
2480\GO TO READ-10.
2490:CHK-ST.
2500\IF RGC < "C" MOVE 3 TO SUB4 GO TO STOT-RTNE.
2510\IF RGC < "E" MOVE 6 TO SUB4 GO TO STOT-RTNE.
2520\IF RGC < "G" MOVE 9 TO SUB4 GO TO STOT-RTNE.
2530\IF RGC < "J" MOVE 12 TO SUB4 GO TO STOT-RTNE.
2540\IF RGC < "M" MOVE 16 TO SUB4 GO TO STOT-RTNE.
2550\MOVE 22 TO SUB4.
2560\GO TO STOT-RTNE.
2570:GEN-15.
2580\IF CCTR = 9 MOVE RTAB TO OTAB MOVE ATAB TO AOTAB
2590\GO TO ZERO-SUM.
2600:REQ-RTNE.
2610\MOVE 1 TO HCTR.
2620\MOVE RTAB TO SUMTAB.
2630:LINE-RTNE.
2640\MOVE 1 TO LCTR.
2650:LINE-GEN.
2660\GENERATE RL.
2670\IF LCTR = 23 GO TO LINE-EXIT.
2680\ADD 1 TO LCTR.
2690\GO TO LINE-GEN.
2700:LINE-EXIT.
2710\EXIT.
2720:ALOC-RTNE.
2730\MOVE 2 TO HCTR.
2740\MOVE ATAB TO SUMTAB.
2750\PERFORM LINE-RTNE THRU LINE-EXIT.
2760:RETURN-LINE.
2770\GO TO ZERO-SUM.
2780:ADD-LINE.
2790\ADD REQ TO DOL (SUB1,SUB2,SUB3) GRDOL (SUB1,SUB2,SUB3).
2800\ADD ALOC TO ADOL (SUB1,SUB2,SUB3) AGDOL (SUB1,SUB2,SUB3).
2810\ADD REQ TO DOL (SUB1,4,SUB3) GRDOL (SUB1,4,SUB3).
2820\ADD ALOC TO ADOL (SUB1,4,SUB3) AGDOL (SUB1,4,SUB3).
2830\ADD REQ TO DOL (3,SUB2,SUB3) GRDOL (3,SUB2,SUB3).
2840\ADD ALOC TO ADOL (3,SUB2,SUB3) AGDOL (3,SUB2,SUB3).
2850\ADD REQ TO DOL (3,4,SUB3) GRDOL (3,4,SUB3).
```

```
2860\ADD ALOC TO ADOL (3,4,SUB3) AGDOL (3,4,SUB3).
2870:STOT-RTNE.
2880\ADD REQ TO DOL (SUB1,SUB2,SUB4) GRDOL (SUB1,SUB2,SUB4).
2890\ADD ALOC TO ADOL (SUB1,SUB2,SUB4) AGDOL (SUB1,SUB2,SUB4).
2900\ADD REQ TO DOL (SUB1,4,SUB4) GRDOL (SUB1,4,SUB4).
2910\ADD ALOC TO ADOL (SUB1,4,SUB4) AGDOL (SUB1,4,SUB4).
2920\ADD REQ TO DOL (3,SUB2,SUB4) GRDOL (3,SUB2,SUB4).
2930\ADD ALOC TO ADOL (3,SUB2,SUB4) AGDOL (3,SUB2,SUB4).
2940\ADD REQ TO DOL (3,4,SUB4) GRDOL (3,4,SUB4).
2950\ADD ALOC TO ADOL (3,4,SUB4) AGDOL (3,4,SUB4).
2960:TOT-RTNE.
2970\ADD REQ TO DOL (SUB1,SUB2,23) GRDOL (SUB1,SUB2,23).
2980\ADD ALOC TO ADOL (SUB1,SUB2,23) AGDOL (SUB1,SUB2,23).
2990\ADD REQ TO DOL (SUB1,4,23) GRDOL (SUB1,4,23).
3000\ADD ALOC TO ADOL (SUB1,4,23) AGDOL (SUB1,4,23).
3010\ADD REQ TO DOL (3,SUB2,23) GRDOL (3,SUB2,23).
3020\ADD ALOC TO ADOL (3,SUB2,23) AGDOL (3,SUB2,23).
3030\ADD REQ TO DOL (3,4,23) GRDOL (3,4,23).
3040\ADD ALOC TO ADOL (3,4,23) AGDOL (3,4,23).
3050\ADD 1 TO OTCNT.
3060\GO TO READ-10.
3070:END-25.
3080\IF CCTR = 9 MOVE "OTH" TO HCUS PERFORM REQ-RTNE THRU
3090\  ALOC-RTNE GO TO END-25.
3100\PERFORM REQ-RTNE THRU ALOC-RTNE.
3110\MOVE OTAB TO SUMTAB.
3120\MOVE "OTH" TO HCUS.
3130\MOVE 1 TO HCTR.
3140\PERFORM LINE-RTNE THRU LINE-EXIT.
3150\MOVE AOTAB TO SUMTAB.
3160\MOVE 2 TO HCTR.
3170\PERFORM LINE-RTNE THRU LINE-EXIT.
3180:END-25.
3190\MOVE 1 TO HCTR.
3200\MOVE "GRN" TO HCUS.
3210\MOVE GRTAB TO SUMTAB.
3220\PERFORM LINE-RTNE THRU LINE-EXIT.
3230&\MOVE 2 TO HCTR.
3240\MOVE AGTAB TO SUMTAB.
3250\PERFORM LINE-RTNE THRU LINE-EXIT.
3260\MOVE INCNT TO DISCNT.
3270\DISPLAY "NO. OF REC READ = " DISCNT.
3280\MOVE OTCNT TO DISCNT.
3290\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
3300\TERMINATE CUR-REP.
3310\CLOSE INFILE OTFILE.
3320\STOP RUN.
3330$:ENDJOB
```

APPENDIX A.7

PROGRAM LISTINGS - MODSUM.R - MODSUM.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODSUM,R


010##N,R(AC)
020$:IDENT:WP0955,LORER(81)  CJW   72751   MODSUM,R
030$:LIMITS:15,,,9K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C1,C4,C1,C16,C5,C9,C1)
090:SEQ:(A10,A12,A5,A2,A8)
100:PICK:SELECT,(5),(=5H  DAF)
110:FILCB:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:10,,,2K
150$:TAPE:SA,S1R,,71289,,MODRAN
160$:FILE:S1,S1R,2,R
170$:FILE:S2,S2R,2,R
180$:FILE:S3,S3R,2,R
190$:FILE:SZ,A1S,3CL
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODSUM,0
220$:EXECUTE
230$:LIMITS:15,,,5K
240$:FILE:AA,A1R,3CL
250$:REMOTE:BB,AC
260$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODSUM,S

10##M :,8,16;\,12,30
20$:IDENT:WP0955,LORER(81)   WILHELM   72751   MODSUM,S
30$:LIMITS:8,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODSUM.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODSUM.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\GTIME IS TODAY.
130\COMPILE ERRORS.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OTFILE ASSIGN TO BB FOR LISTING.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\ 03 FILLER\PIC X(72).
250:FD OTFILE
260\LABEL RECORDS ARE STANDARD
270\REPORT IS CUM-REP.
280:WORKING-STORAGE SECTION.
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 ADDCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 DISCNT\PIC Z(6)9.
330:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
340:77 AMT\PIC 9(7) VALUE 0 COMP-1.
350:77 DATE\PIC X(9).
360:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
370:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
380:77 HRGC\PIC X VALUE SPACE.
390:77 RGCTOT\PIC 9(7) VALUE 0 COMP-1.
400:77 ARGCTOT\PIC 9(7) VALUE 0 COMP-1.
410:77 HCUS\PIC XXX VALUE SPACE.
420:77 HMDS\PIC X(5) VALUE SPACE.
430:77 HPRI\PIC XX VALUE SPACE.
440:77 CUSTOT\PIC 9(7) VALUE 0.
450:77 ACFTOT\PIC 9(7) VALUE 0.
460:77 ACUSTOT\PIC 9(7) VALUE 0 COMP-1.
470:77 RCUSTOT\PIC 9(7) VALUE 0 COMP-1.
480:77 RACFTS\PIC 9(7) VALUE 0 COMP-1.
490:77 AACFTS\PIC 9(7) VALUE 0 COMP-1.
500:77 CTR\PIC 9 VALUE 1.
510:77 QUOT\PIC 9V9(6) VALUE 0.
520:77 PERCUS\PIC 9V9(6) VALUE 0.
530:77 PERACFT\PIC 9V9(6) VALUE 0.
540:77 PERQUO\PIC 999V9 VALUE 0.
550:77 PERTOT\PIC 999V9 VALUE 0.
560:77 PERMDS\PIC 999V9 VALUE 0.
570:77 INSUFT\PIC X VALUE SPACE.
```

```
580:77 CNT\PIC 9 VALUE 0.
590:77 ACTR\PIC 9999 VALUE 1 COMP-1.
600:77 CCTR\PIC 9999 VALUE 1 COMP-1.
610:01 DAZE.
620\02 XMO\PIC 99.
630\02 DAT\PIC 99.
640\02 YRX\PIC 99.
650\02 TYME\PIC 9(8) COMP-1.
660:01 DTE.
670\02 DMO\PIC 99.
680\02 FILLI\PIC X VALUE "/".
690\02 DDT\PIC 99.
700\02 FILLDY\PIC X VALUE "/".
710\02 DXYR\PIC 99.
720:01 IREC.
730\03 PC\PIC XXXX.
740\03 FY\PIC XX.
750\03 RGC\PIC X.
760\03 KS\PIC X(10).
770\03 HDS\PIC X(10).
780\03 WBS\PIC X(5).
790\03 CUS\PIC XXX.
800\03 OC\PIC X.
810\03 FAC\PIC XX.
820\03 ALC\PIC XX.
830\03 DRAW\PIC X.
833\03 RID\PIC XX.
836\03 QTY\PIC 9(7).
840\03 REQ\PIC 9(7).
850\03 MD\PIC X(5).
860\03 PRI\PIC 99.
870\03 ADOL\PIC 9(7).
880\03 FILLER\PIC X.
890:01 SUBTAB.
900\03 SVAL\PIC X(18) VALUE "          SUB TOTAL".
910:01 TABSUB REDEFINES SUBTAB.
920\03 SUBT\PIC X(9) OCCURS 2.
930:REPORT SECTION.
940:RD CUM-REP
950\PAGE LIMIT IS 57 LINES
960\HEADING 1
970\FIRST DETAIL 8
980\FOOTING 55.
990: 1 CL TYPE IS DE NEXT GROUP PLUS 02.
1000:  02 LINE PLUS 02.
1010\03 COLUMN 3\SIZE 3 VALUE "---".
1020\03 COLUMN 6\PIC X(5) SOURCE HMDS.
1030\03 COLUMN 11\SIZE 3 VALUE "---".
1040\03 COLUMN 15\SIZE 17 VALUE "CUSTOMER SUBTOTAL".
1050\03 COLUMN 32\SIZE 1 VALUE "*".
1060\03 COLUMN 33\PIC XXX SOURCE HCUS.
1070\03 COLUMN 36\SIZE 1 VALUE "*".
1080\03 COLUMN 37\SIZE 12 VALUE ALL ">".
1090\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
1100\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.
1110\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
1120\03 COLUMN 101\PIC ZZ9.9 SOURCE PERTOT.
1130\03 COLUMN 106\PIC X SOURCE INSUFT.
1140\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.
1150:01 AL TYPE IS DE NEXT GROUP PLUS 03.
```

```
1160:  02 LINE PLUS 01.
1170\03 COLUMN 3\SIZE 3 VALUE "***".
1180\03 COLUMN 6\PIC X(5) SOURCE HMDS.
1190\03 COLUMN 11\SIZE 3 VALUE "***".
1200\03 COLUMN 15\SIZE 17 VALUE "AIRCRAFT SUBTOTAL".
1210\03 COLUMN 33\SIZE 16 VALUE ALL ">".
1220\03 COLUMN 49\PIC Z,ZZZ,ZZ9 SOURCE REQTOT.
1230\03 COLUMN 65\PIC Z,ZZZ,ZZ9 SOURCE RGCTOT.
1240\03 COLUMN 85\PIC Z,ZZZ,ZZ9 SOURCE ALLTOT.
1250\03 COLUMN 101\PIC ZZ9.9 SOURCE PERMDS.
1260\03 COLUMN 106\PIC X SOURCE INSUFT.
1270\03 COLUMN 116\PIC Z,ZZZ,ZZ9 SOURCE ARGCTOT.
1280:01 TYPE IS PF.
1290:  02 LINE PLUS 01.
1300\03 COLUMN 3\SIZE 3 VALUE "***".
1310\03 COLUMN 6\SIZE 1 VALUE "#".
1320\03 COLUMN 8\SIZE 21 VALUE "VALUE 0 IN ANY FIELD ",
1330\03 COLUMN 29\SIZE 21 VALUE "RESULTS IN # APPENDED".
1340\03 COLUMN 50\SIZE 21 VALUE " ZERO PLACED IN PERCE".
1350\03 COLUMN 71\SIZE 21 VALUE "NTAGE FIELD DUE TO UN".
1360\03 COLUMN 92\SIZE 21 VALUE "CERTAINTY OF QUOTIENT".
1370:01 TYPE IS PH.
1380:  02 LINE PLUS 01.
1390\03 COLUMN 3\SIZE 3 VALUE "OPR".
1400\03 COLUMN 7\PIC X(5) VALUE "XRS  ".
1410\03 COLUMN 40\SIZE 51  VALUE
1420\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN".
1430\03 COLUMN 112\SIZE 3 VALUE "RCN".
1440\03 COLUMN 116\SIZE 14 VALUE "CONTROL NUMBER",
1450:  02 LINE PLUS 01.
1460\03 COLUMN 2 \SIZE 4 VALUE "DATE".
1470\03 COLUMN 10\PIC X(9) SOURCE DTE.
1480\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
1490\03 COLUMN 62\PIC XX SOURCE FY.
1500\03 COLUMN 122\SIZE 4 VALUE "PAGE".
1510\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
1520:  02 LINE PLUS 02.
1530\03 COLUMN 2\SIZE 5  VALUE "MODEL".
1540\03 COLUMN 10\SIZE 8 VALUE "CUSTOMER".
1550\03 COLUMN 22\SIZE 12 VALUE "REPAIR GROUP".
1560\03 COLUMN 36\SIZE 8 VALUE "LEVEL OF".
1570\03 COLUMN 48\SIZE 11 VALUE "REQUIREMENT".
1580\03 COLUMN 62\SIZE 17 VALUE "CUMMULATIVE REQMT".
1590\03 COLUMN 85\SIZE 9 VALUE "ALLOCATED".
1600\03 COLUMN 100\SIZE 7 VALUE "PERCENT".
1610\03 COLUMN 110\SIZE 21 VALUE "CUMMULATIVE ALLOCATED",
1620:  02 LINE PLUS 01.
1630\03 COLUMN 2\SIZE 6 VALUE "DESIGN".
1640\03 COLUMN 12\SIZE 4 VALUE "CODE".
1650\03 COLUMN 24\SIZE 8 VALUE "CATEGORY".
1660\03 COLUMN 36\SIZE 8 VALUE "PRIORITY".
1670\03 COLUMN 46\SIZE 14 VALUE "DOLLARS ($000)".
1680\03 COLUMN 64\SIZE 14 VALUE "DOLLARS ($000)".
1690\03 COLUMN 83\SIZE 14 VALUE "DOLLARS ($000)".
1700\03 COLUMN 101\SIZE 5 VALUE "REQMT".
1710\03 COLUMN 114\SIZE 14 VALUE "DOLLARS ($000)".
1720:01 RL TYPE DE LINE PLUS 01.
1730\03 COLUMN 2\PIC X(5) SOURCE HMDS.
1740\03 COLUMN 12\PIC XXX  SOURCE HCUS.
1750\03 COLUMN 28\PIC X  SOURCE HRGC.
```

```
1760\03 COLUMN 40\PIC XX  SOURCE HPRI.
1770\03 COLUMN 49\PIC Z,ZZZ,ZZ9  SOURCE REQTOT.
1780\03 COLUMN 65\PIC Z,ZZZ,ZZ9  SOURCE RGCTOT.
1790\03 COLUMN 85\PIC Z,ZZZ,ZZ9  SOURCE ALLTOT.
1800\03 COLUMN 101\PIC ZZ9.9 SOURCE PERQUO.
1810\03 COLUMN 106\PIC X SOURCE INSUFT.
1820\03 COLUMN 116\PIC Z,ZZZ,ZZ9  SOURCE ARGCTOT.
1830:PROCEDURE DIVISION.
1840:START-0.
1850\OPEN INPUT INFILE OUTPUT OTFILE.
1860\ACCEPT DAZE FROM TODAY.
1870\MOVE XMO TO DMO.
1880\MOVE DAT TO DLT.
1890\MOVE YRX TO DXYR.
1900\INITIATE CUM-REP.
1910:READ-10.
1920\READ INFILE AT END GO TO FINISH-70.
1930\ADD 1 TO INCNT.
1940\MOVE INREC TO IREC.
1950:CHECK-12.
1960\IF RGC EQUAL TO HRGC GO TO CHECK-19.
1970\IF HRGC = SPACE GO TO INITIAL-15.
1980:SUFT-RTNE1.
1990\IF ALLTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RTNE.
2000\IF REQTOT = ZERO MOVE 1 TO CNT GO TO INSUFT-RTNE.
2010\DIVIDE ALLTOT BY REQTOT GIVING QUOT.
2020\MULTIPLY QUOT BY 100 GIVING PERQUO.
2030\GO TO ADD-14.
2040:INSUFT-RTNE.
2050\MOVE "#" TO INSUFT.
2060\IF CNT = 1 MOVE ZERO TO PERQUO.
2070\IF CNT = 2 MOVE ZERO TO PERTOT.
2080\IF CNT = 3 MOVE ZERO TO PERMDS.
2090:ADD-14.
2100\ADD REQTOT TO RCUSTOT.
2110\ADD ALLTOT TO ACUSTOT.
2120\GO TO GEN-50.
2130:SUFT-RTNE2.
2140\DIVIDE ACUSTOT BY RCUSTOT GIVING PERCUS.
2150\MULTIPLY PERCUS BY 100 GIVING PERTOT.
2160:SUFT-RTNE3.
2170\DIVIDE AACPTS BY RACPTS GIVING PERACPT.
2180\MULTIPLY PERACPT BY 100 GIVING PERMDS.
2190:INITIAL-15.
2200\MOVE ZERO TO REQTOT ALLTOT.
2210\MOVE RGC TO HRGC.
2220\MOVE 0 TO ACTR.
2230\MOVE MD TO HMDS.
2240\MOVE CUS TO HCUS.
2250\MOVE PRI TO HPRI.
2260\MOVE 1 TO CTR.
2270:CHECK-19.
2280\IF CUS NOT EQUAL TO HCUS GO TO SUFT-RTNE1.
2290\IF MD NOT EQUAL TO HMDS GO TO SUFT-RTNE1.
2300:COMPUTE-20.
2310\MOVE REQ TO AMT.
2320\ADD AMT TO REQTOT RGCTOT.
2330\MOVE ADOL TO ALLOC.
2340\ADD ALLOC TO ALLTOT ARGCTOT.
2350\ADD 1 TO ADDCNT.
```

```
2360\GO TO READ-10.
2370:CUS-30.
2380\ADD RCUSTOT TO RACFTS.
2390\ADD ACUSTOT TO AACFTS.
2400\IF ACUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFT-RTNE.
2410\IF RCUSTOT = ZERO MOVE 2 TO CNT PERFORM INSUFT-RTNE.
2420\IF CNT = 0 PERFORM SUFT-RTNE2.
2430\MOVE 2 TO CTR.
2440\ADD 1 TO CCTR.
2450\MOVE RCUSTOT TO REQTOT.
2460\MOVE ACUSTOT TO ALLTOT.
2470\GENERATE CL.
2480\ADD 1 TO OTCNT.
2490\MOVE ZERO TO ALLTOT REQTOT CNT.
2500\MOVE SPACE TO INSUFT.
2510\MOVE ZERO TO RCUSTOT ACUSTOT.
2520:ACFTS-40.
2530\IF CUS = HCUS PERFORM CUS-30.
2540\ADD 1 TO ACTR.
2550\IF AACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.
2560\IF RACFTS = ZERO MOVE 3 TO CNT PERFORM INSUFT-RTNE.
2570\IF CNT = 0 PERFORM SUFT-RTNE3.
2580\MOVE RACFTS TO REQTOT.
2590\MOVE AACFTS TO ALLTOT.
2600\MOVE AACFTS TO ACFTOT.
2610\MOVE RACFTS TO CUSTOT.
2620\GENERATE AL.
2630\ADD 1 TO OTCNT.
2640\MOVE ZERO TO AACFTS RACFTS CNT.
2650\MOVE SPACE TO INSUFT.
2660:GEN-50.
2670\GENERATE RL.
2680\ADD 1 TO OTCNT.
2690:EXIT-60.
2700\MOVE ZERO TO REQTOT ALLTOT CNT.
2710\MOVE SPACE TO INSUFT.
2720\IF CUS NOT = HCUS PERFORM CUS-30.
2730\IF MD NOT = HMDS PERFORM ACFTS-40.
2740:RETURN-65.
2750\GO TO INITIAL-15.
2760:FINISH-70.
2770\MOVE ALL "Z" TO MD.
2780\MOVE "Z" TO PGC.
2790\MOVE "ZZZ" TO CUS.
2800\PERFORM CHECK-12 THRU EXIT-60.
2810:END-80.
2820\MOVE INCNT TO DISCNT.
2830\DISPLAY "NO. OF REC READ = " DISCNT.
2840\MOVE ADDCNT TO DISCNT.
2850\DISPLAY "NO OF REC SUMMED = " DISCNT.
2860\MOVE OTCNT TO DISCNT.
2870\DISPLAY "NO. OF REC WRITTEN = " DISCNT
2880\TERMINATE CUM-REP.
2890\CLOSE INFILE OTFILE.
2900\STOP RUN.
29105:ENDJOB
```

APPENDIX A.8

PROGRAM LISTINGS - MOD500.R - MOD500.S

CATALOG/FILE DESCRIPTION= RCS/MOD500,R

```
010##N,R(AC)
020$:IDENT:WP0955,LORER(81)  CJW          72751  MOD500.R
030$:LIMITS:15,,,1 K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C30,C2,C3,C3,C2,C10,C7)
090:SEQ:(A5,D7)
100:PICK:SELECT,(3),(=5H  DAF)
110:FILCB:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,1 K
150$:TAPE:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:SZ,A1S,3 L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MOD500,O
220$:EXECUTE
230$:LIMITS:15,,,1 K
240$:FILE:AA,A1R,3 L
250$:REMOTE:BB,AC
260$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MOD500,S

0001##MOVE,ROUT(AC) :,8,16;\,12,30
0002$:IDENT:WP0955,MMREER/CJW          72751  MOD500.S
0003$:LIMITS:15,,,9K
0004$:OPTION:NOMAP
0005$:COBOL:DECK
0006$:PRMFL:C*,W,S,RCS/MOD500,O
0010:IDENTIFICATION DIVISION.
0020:PROGRAM-ID. MOD500.
0030:ENVIRONMENT DIVISION.
0040:CONFIGURATION SECTION.
0050:SPECIAL-NAMES.
0060\COMPILE ERRORS.
0070:FILE-CONTROL.
0080\SELECT INFILE ASSIGN TO AA.
0090\SELECT OTFILE ASSIGN TO BB FOR LISTING.
0100:I-O-CONTROL.
0110\APPLY STANDARD ON INFILE OTFILE.
0120:DATA DIVISION.
0130:FILE SECTION.
0140:FD INFILE
0150\LABEL RECORDS STANDARD.
0160:01 INREC.
0170\03 FILLER\PIC X(72).
0180:FD OTFILE
0190\LABEL RECORDS ARE STANDARD
0200\REPORT IS CUM-REP.
0210:WORKING-STORAGE SECTION.
0220:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
0230:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
0240:77 DISCNT\PIC Z(6)9.
0250:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
0260:77 AMT\PIC 9(7) VALUE 0 COMP-1.
0270:77 DATE\PIC X(9).
0280:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
0290:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
0300:77 HLD-ALC\PIC XX VALUE SPACE.
0310:01 IREC.
0320\03 PC\PIC XXXX.
0330\03 FY\PIC XX.
0340\03 RGC\PIC X.
0350\03 KS\PIC X(1 ).
0360\03 MDS\PIC X(10).
0370\03 WBS\PIC X(5).
0380\03 CUS\PIC XXX.
0390\03 OC\PIC X.
0400\03 FAC\PIC XX.
0410\03 ALC\PIC XX.
0420\03 DRAW\PIC X.
0430\03 RID\PIC XX.
0440\03 QTY\PIC 9(7).
0450\03 REQ\PIC 9(7).
0460\03 MD\PIC X(5).
0470\03 PRI\PIC 99.
0480\03 ADOL\PIC 9(7).
0490\03 CUSS\PIC X.
0500:REPORT SECTION.
0510:RD CUM-REP
```

```
0520\CONTROLS ARE HLD-ALC
0530\PAGE LIMIT IS 55 LINES
0540\HEADING 1
0550\FIRST DETAIL 8.
0560:01 TYPE IS CF HLD-ALC NEXT GROUP IS NEXT PAGE.
0570:  02 LINE PLUS 01.
0580:01 TYPE IS PH.
0590:  02 LINE PLUS 01.
0600\03 COLUMN 33\SIZE 39  VALUE
0610\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY ",
0620\03 COLUMN 72\SIZE 25  VALUE
0630\"HIGH BURNER WEAPON SYSTEM".
0640:  02 LINE PLUS 01.
0650\03 COLUMN 10\PIC X(9) SOURCE DATE.
0660\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
0670\03 COLUMN 62\PIC XX SOURCE FY.
0680\03 COLUMN 80\SIZE 3 VALUE "ALC".
0690\03 COLUMN 85\PIC XX SOURCE ALC.
0700\03 COLUMN 122\SIZE 4 VALUE "PAGE".
0710\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
0720:  02 LINE PLUS 02.
0730\03 COLUMN 7\SIZE 51  VALUE
0740\"MODEL     PSEUDO   REPAIR  CUSTOMER WORKLOAD BREAK-",
0750\03 COLUMN 59\SIZE 52  VALUE
0760\"LEVEL OF  REQUIREMENT  CUMMULATIVE REQMT   ALLOCATED".
0770\03 COLUMN 114\SIZE 16 VALUE  "CUMMULATIVE ALLO",
0780:  02 LINE PLUS 01.
0790\03 COLUMN 3\SIZE 55 VALUE
0800\"DESIGN SERIES  CODE  GROUP CAT   CODE    DOWN STRUCTURE",
0810\03 COLUMN  59\SIZE 55 VALUE
0820\"PRIORITY DOLLARS($000)  DOLLARS ($000)   DOLLARS ($000)",
0830\03 COLUMN 115\SIZE 14  VALUE  "DOLLARS ($000)".
0840:01 RL TYPE DE LINE PLUS 01.
0850\03 COLUMN 4\PIC X(10) SOURCE MDS.
0860\03 COLUMN 18\PIC XXXX  SOURCE PC.
0870\03 COLUMN 29\PIC X     SOURCE RGC.
0880\03 COLUMN 36\PIC XXX  SOURCE CUS.
0890\03 COLUMN 47\PIC X(5) SOURCE WBS.
0900\03 COLUMN 62\PIC 99    SOURCE PRI.
0910\03 COLUMN 70\PIC Z,ZZZ,ZZ9  SOURCE REQ.
0920\03 COLUMN 86\PIC Z,ZZZ,ZZ9  SOURCE REQTOT.
0930\03 COLUMN 102\PIC Z,ZZZ,ZZ9  SOURCE ADOL.
0940\03 COLUMN 117\PIC Z,ZZZ,ZZ9  SOURCE ALLTOT.
0950:PROCEDURE DIVISION.
0960:START-0.
0970\OPEN INPUT INFILE OUTPUT OTFILE.
0980\ACCEPT DATE.
0990\INITIATE CUM-REP.
1000:READ-10.
1010\READ INFILE AT END GO TO END-20.
1020\ADD 1 TO INCNT.
1030\MOVE INREC TO IREC.
1040\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO REQTOT ALLTOT
1050\  MOVE ALC TO HLD-ALC.
1060\IF REQ LESS THAN 500 GO TO READ-10.
1070\MOVE REQ TO AMT.
1080\ADD AMT TO REQTOT.
1090\MOVE ADOL TO ALLOC.
1100\ADD ALLOC TO ALLTOT.
1110:GEN-15.
```

```
1120\GENERATE RL.
1130\ADD 1 TO OTCNT.
1140\GO TO READ-10.
1150:END-20.
1160\MOVE INCNT TO DISCNT.
1170\DISPLAY "NO. OF REC READ = " DISCNT.
1180\MOVE OTCNT TO DISCNT.
1190\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1200\TERMINATE CUM-REP.
1210\CLOSE INFILE OTFILE.
1220\STOP RUN.
1230$:ENDJOB
```

APPENDIX A.9

PROGRAM LISTINGS - MODALC.R - MODALC.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODALC,R

010##N
020$:IDENT:WP0955,LOREB(81)  CJW      72751  MODALC,R
030$:LIMITS:15,,,1 K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C6,C1,C23,C2,C3,C3,C2,C17,C5)
090:SEQ:(A7,A9,A2)
100:PICK:SELECT,(5),(=5H  DAF)
110:FILE:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,1 K
150$:TAPE:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:SZ,A1S,3 L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODALC.C
220$:EXECUTE
230$:LIMITS:15,,,1 K
240$:FILE:AA,A1R,3 L
250$:SYSOUT:BB
260$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODALC,S

10##M :,8,16;\,12,30
20$:IDENT:WP0955,MMRHR/CJW            72751  MODALC,S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,RCS/MODALC,0
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. MODALC.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:FILE-CONTROL.
140\SELECT INFILE ASSIGN TO AA.
150\SELECT OTFILE ASSIGN TO BB FOR LISTING.
160:I-O-CONTROL.
170\APPLY STANDARD ON INFILE OTFILE.
180:DATA DIVISION.
190:FILE SECTION.
200:FD INFILE
210\LABEL RECORDS STANDARD.
220:01 INREC.
230\  3 FILLER\PIC X(72).
240:FD OTFILE
250\LABEL RECORDS ARE STANDARD
260\REPORT IS CUM-REP.
270:WORKING-STORAGE SECTION.
280:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
290:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 DISCNT\PIC Z(6)9.
310:77 REQTOT\PIC 9(7) VALUE 0 COMP-1.
320:77 AMT\PIC 9(7) VALUE 0 COMP-1.
330:77 TODAY\PIC X(9).
332:77 DATE\PIC X(9).
335:77 TODAYS-DATE\PIC X(9).
340:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
350:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
360:77 HLD-ALC\PIC XX VALUE SPACE.
370:01 IREC.
380\  3 PC\PIC XXXX.
390\  3 FY\PIC XX.
400\  3 RCC\PIC X.
410\  3 KS\PIC X(10).
420\  3 MDS\PIC X(1 ).
430\  3 WBS\PIC X(5).
440\  3 CUS\PIC XXX.
450\  3 OC\PIC X.
460\  3 FAC\PIC XX.
470\  3 ALC\PIC XX.
480\  3 DRAW\PIC X.
483\  3 RID\PIC XX.
486\  3 QTY\PIC 9(7).
490\  3 REQ\PIC 9(7).
500\  3 MD\PIC X(5).
510\  3 PRI\PIC 99.
520\  3 ADOL\PIC 9(7).
530\  3 FILLER\PIC X.
```

```
540:REPORT SECTION.
550:RD CUM-REP
560\CONTROLS ARE HLD-ALC
570\PAGE LIMIT IS 55 LINES
580\HEADING 1
590\FIRST DETAIL 8.
600:01 TYPE IS CF HLD-ALC NEXT GROUP IS NEXT PAGE.
610:  02 LINE PLUS 01.
620:01 TYPE IS PH.
630:  02 LINE PLUS 01.
640\03 COLUMN 42\SIZE 46  VALUE
650\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY MANAGER".
660:  02 LINE PLUS 01.
670\03 COLUMN 10\PIC X(9) SOURCE TODAYS-DATE.
680\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
690\03 COLUMN 62\PIC XX SOURCE FY.
700\03 COLUMN 80\SIZE 3 VALUE "ALC".
710\03 COLUMN 85\PIC XX SOURCE ALC.
720\03 COLUMN 122\SIZE 4 VALUE "PAGE".
730\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
740:  02 LINE PLUS 02.
750\03 COLUMN 7\SIZE 51  VALUE
760\"MODEL     PSEUDO   REPAIR  CUSTOMER WORKLOAD BREAK-".
770\03 COLUMN 59\SIZE 52  VALUE
780\"LEVEL OF  REQUIREMENT  CUMMULATIVE REQMT   ALLOCATED".
790\03 COLUMN 114\SIZE 16 VALUE  "CUMMULATIVE ALLO".
800:  02 LINE PLUS 01.
810\03 COLUMN 3\SIZE 55 VALUE
820\"DESIGN SERIES  CODE  GROUP CAT   CODE    DOWN STRUCTURE".
830\03 COLUMN  59\SIZE 55 VALUE
840\"PRIORITY DOLLARS($000)  DOLLARS ($000)   DOLLARS ($000)".
850\03 COLUMN 115\SIZE 14  VALUE  "DOLLARS ($000)".
860:01 RL TYPE DE LINE PLUS 01.
870\03 COLUMN 4\PIC X(10) SOURCE MDS.
880\03 COLUMN 18\PIC XXXX  SOURCE PC.
890\03 COLUMN 29\PIC X    SOURCE RGC.
900\03 COLUMN 36\PIC XXX  SOURCE CUS.
910\03 COLUMN 47\PIC X(5) SOURCE WBS.
920\03 COLUMN 62\PIC 99    SOURCE PRI.
930\03 COLUMN 70\PIC Z,ZZZ,ZZ9  SOURCE REQ.
940\03 COLUMN 86\PIC Z,ZZZ,ZZ9  SOURCE REQTOT.
950\03 COLUMN 102\PIC Z,ZZZ,ZZ9  SOURCE ADOL.
960\03 COLUMN 117\PIC Z,ZZZ,ZZ9  SOURCE ALLTOT.
970:PROCEDURE DIVISION.
980:START-0.
990\OPEN INPUT INFILE OUTPUT OTFILE.
1000\ACCEPT  DATE.
1010\INITIATE CUM-REP.
1020:READ-10.
1030\READ INFILE AT END GO TO END-20.
1040\ADD 1 TO INCNT.
1050\MOVE INREC TO IREC.
1060\IF ALC NOT EQUAL TO HLD-ALC MOVE 0 TO REQTOT ALLTOT
1070\  MOVE ALC TO HLD-ALC.
1080\MOVE REQ TO AMT.
1090\ADD AMT TO REQTOT.
1100\MOVE ADOL TO ALLOC.
1110\ADD ALLOC TO ALLTOT.
1120:GEN-15.
1130\GENERATE RL.
```

```
1140\ADD 1 TO OTCNT.
1150\GO TO READ-10.
1160:END-20.
1170\MOVE INCNT TO DISCNT.
1180\DISPLAY "NO. OF REC READ = " DISCNT.
1190\MOVE OTCNT TO DISCNT.
1200\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1210\TERMINATE CUM-REP.
1220\CLOSE INFILE OTFILE.
1230\STOP RUN.
1240$:ENDJOB
```

APPENDIX A.10

PROGRAM LISTINGS - MODPRI.R - MODPRI.S

```
CATALOG/FILE DESCRIPTION=  RCS/MODPRI,R


010#N,R(AC)
020$:IDENT:WP0955,LORER(81)  CJW      72751  MODPRI,R
030$:LIMITS:15,,,1 K
040$:OPTION:NOMAP
050$:GMAP:NDECK
060:600SM
070:SORT:FCB,,12
080:FIELD:(C30,C2,C3,C3,C2,C22,C2)
090:SEQ:(A5,A7)
100:PICK:SELECT,(3),(=5H  DAF)
110:FILCB:FCB,**,2
120:END
130$:EXECUTE
140$:LIMITS:15,,,1 K
150$:TAPE:SA,X1D,,71289,,MODRAN
160$:FILE:S1,S1R,2 R
170$:FILE:S2,S2R,2 R
180$:FILE:S3,S3R,2 R
190$:FILE:SZ,A1S,3 L
200$:OPTION:COBOL,NOMAP
210$:SELECT:RCS/MODPRI,0
220$:EXECUTE
230$:LIMITS:15,,,1 K
240$:FILE:AA,A1R,3 L
250$:REMOTE:BB,AC
260$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  RCS/MODPRI,S

10##MOVE,RCU:(AC) :,8,16;\,12,30
20$:IDENT:WP0955,MMRER/CJW              72751  MODPRI,S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
55$:PRMFL:C*,W,S,RCS/MODPRI,C
60:IDENTIFICATION DIVISION.
70:PROGRAM-ID. MODPRI.
80:ENVIRONMENT DIVISION.
90:CONFIGURATION SECTION.
100:SPECIAL-NAMES.
110\COMPILE ERRORS.
120:FILE-CONTROL.
130\SELECT INFILE ASSIGN TO AA.
140\SELECT OTFILE ASSIGN TO BB FOR LISTING.
150:I-O-CONTROL.
160\APPLY STANDARD ON INFILE OTFILE.
170:DATA DIVISION.
180:FILE SECTION.
190:FD INFILE
200\LABEL RECORDS STANDARD.
210:01 INREC.
220\ 03 FILLER\PIC X(72).
230:FD OTFILE
240\LABEL RECORDS ARE STANDARD
250\REPORT IS CUM-REP.
260:WORKING-STORAGE SECTION.
270:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
280:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
290:77 DISCNT\PIC Z(6)9.
300:77 PHOTOT\PIC 9(7) VALUE 0 COMP-1.
310:77 AMT\PIC 9(7) VALUE 0 COMP-1.
320:77 DATE\PIC X(8).
330:77 ALLTOT\PIC 9(7) VALUE 0 COMP-1.
340:77 ALLOC\PIC 9(7) VALUE 0 COMP-1.
350:01 IREC.
360\ 03 PC\PIC XXXX.
370\ 03 FY\PIC XX.
380\ 03 RGC\PIC X.
390\ 03 KS\PIC X(10).
400\ 03 MDS\PIC X(10).
410\ 03 WBS\PIC X(5).
420\ 03 CUS\PIC XXX.
430\ 03 OC\PIC X.
440\ 03 FAC\PIC XX.
450\ 03 ALC\PIC XX.
460\ 03 DRAW\PIC X.
463\ 03 RID\PIC XX.
466\ 03 QTY\PIC 9(7).
470\ 03 REQ\PIC 9(7).
480\ 03 MD\PIC X(5).
490\ 03 PRI\PIC 99.
500\ 03 ADOL\PIC 9(7).
510\ 03 FILLER\PIC X.
520:REPORT SECTION.
530:RD CUM-REP
540\PAGE LIMIT IS 55 LINES
```

```
550\HEADING 1
560\FIRST DETAIL 8.
570:01 TYPE IS PH.
580:  02 LINE PLUS 01.
590\03 COLUMN 35\SIZE 39  VALUE
600\"DPEM REQUIREMENT-ALLOCATION SUMMARY BY ".
610\03 COLUMN 74\SIZE 22 VALUE
620\"WEAPON SYSTEM PRIORITY".
630:  02 LINE PLUS 01.
640\03 COLUMN 10\PIC X(9) SOURCE DATE.
650\03 COLUMN 50\SIZE 11 VALUE "FISCAL YEAR".
660\03 COLUMN 62\PIC XX SOURCE FY.
670\03 COLUMN 122\SIZE 4 VALUE "PAGE".
680\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER.
690:  02 LINE PLUS 02.
700\03 COLUMN 7\SIZE 51  VALUE
710\"MODEL      PSEUDO   REPAIR  CUSTOMER WORKLOAD BREAK-".
720\03 COLUMN 59\SIZE 52  VALUE
730\"LEVEL OF  REQUIREMENT  CUMMULATIVE REQMT   ALLOCATED".
740\03 COLUMN 114\SIZE 16 VALUE  "CUMMULATIVE ALLO".
750:  02 LINE PLUS 01.
760\03 COLUMN 3\SIZE 55 VALUE
770\"DESIGN SERIES  CODE  GROUP CAT   CODE    DOWN STRUCTURE".
780\03 COLUMN  59\SIZE 55 VALUE
790\"PRIORITY DOLLARS($000)  DOLLARS ($000)   DOLLARS ($000)".
800\03 COLUMN 115\SIZE 14  VALUE  "DOLLARS ($000)".
810:01 RL TYPE DE LINE PLUS 01.
820\03 COLUMN 4\PIC X(10) SOURCE MDS.
830\03 COLUMN 18\PIC XXXX  SOURCE PC.
840\03 COLUMN 29\PIC X     SOURCE RGC.
850\03 COLUMN 36\PIC XXX   SOURCE CUS.
860\03 COLUMN 47\PIC X(5) SOURCE WFS.
870\03 COLUMN 62\PIC 99    SOURCE PRI.
880\03 COLUMN 70\PIC Z,ZZZ,ZZ9  SOURCE REQ.
890\03 COLUMN 86\PIC Z,ZZZ,ZZ9  SOURCE REQTOT.
900\03 COLUMN 102\PIC Z,ZZZ,ZZ9  SOURCE ADOL.
910\03 COLUMN 117\PIC Z,ZZZ,ZZ9  SOURCE ALLTOT.
920:PROCEDURE DIVISION.
930:START-0.
940\OPEN INPUT INFILE OUTPUT OTFILE.
950\ACCEPT DATE.
960\INITIATE CUM-REP.
970:READ-10.
980\READ INFILE AT END GO TO END-20.
990\ADD 1 TO INCNT.
1000\MOVE INREC TO IREC.
1010\MOVE REQ TO AMT.
1020\ADD AMT TO REQTOT.
1030\MOVE ADOL TO ALLOC.
1040\ADD ALLOC TO ALLTOT.
1050:GEN-15.
1060\GENERATE RL.
1070\ADD 1 TO OTCNT.
1080\GO TO READ-10.
1090:END-20.
1100\MOVE INCNT TO DISCNT.
1110\DISPLAY "NO. OF REC READ = " DISCNT.
1120\MOVE OTCNT TO DISCNT.
1130\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1140\TERMINATE CUM-REP.
```

```
1150\CLOSE INFILE OTFILE,
1160\STOP RUN.
11705:ENDJOB
```

APPENDIX B.1

FORTRAN SAMPLE MODELPCT

```
        FORT
OLD OR NEW-O MODELPCT82
ERR-FILE NAME >8 CHARACTERS
OLD OR NEW-O MODELPCT
READY
*RUN
THE FOLLOVING ROUTINE ALLOWS YOU TO CHOOSE THE BUDGET
PAPAMETERS FOR ALLOCATING DPEM FUNDING.PLEASE ANSWER
EACH QUESTION WITH THE NUMERIC VALUE YOU WANT

WHAT IS THE TOTAL BUDGET AVAILABLE?
=1650977
WHAT $ FUNDING DO YOU WANT FOR EACH OF THE FOLLOWING?

AFR,ANG,DA,DAF,DN,MAC,MAP,SYS,AND,OTHER
PLEASE INPUT THE VALUES IN ORDER AND REMEMBER TO CHECK
THAT THEY SUM TO THE BUDGET TOTAL
=43782
=89775
=540
=1340526
=27278
=181981
=524
=22040
=24531

WHAT IS THE FISCAL YEAR OF THE BUDGET?
=82

******SUMMARY OF INPUT PARAMETERS******

FISCAL YEAR                82

BUDG 1650977

$AFR 0043782
$ANG 0089775
$DA 0000540
$DAF 1340526
$DN 0027278
$MAC 0181981
$MAP 0000524
$SYS 0022040
$OTH 0024531

*
```

APPENDIX B.2

FORTRAN SAMPLE MODELPCS

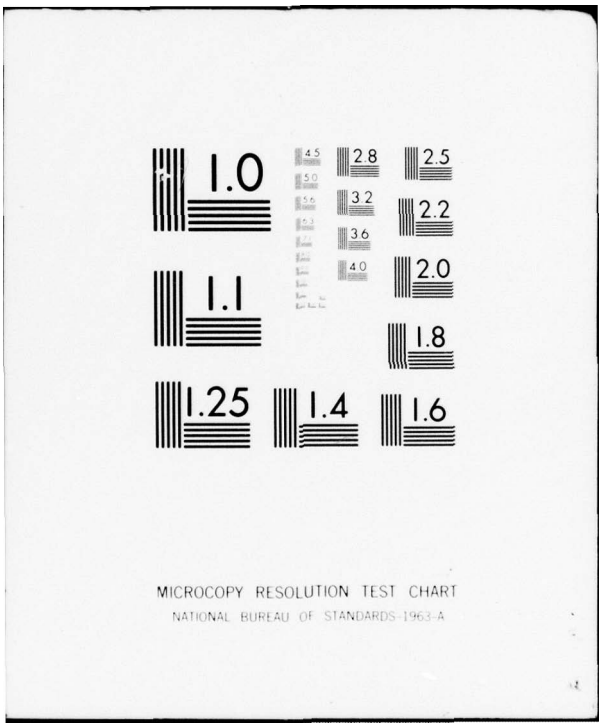
AD-A041 426 AIR FORCE LOGISTICS COMMAND WRIGHT-PATTERSON AFB OHIO--ETC F/G 15/5
AN OPERATIONAL VERSION OF THE DEPOT PURCHASED EQUIPMENT MAINTEN--ETC(U)
JAN 77 H D HILLIS, G C MILBORROW, M L REED

UNCLASSIFIED WORKING PAPER-90 AFLC-77-1 NL

2 OF 2
AD
A041 426

END

DATE
FILMED
7-77


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

```
SYSTEM ? FORT

OLD OR NEW O MODELPCS

READY

* RUN
```

ALLOCATION PERCENT FILE MAINTENANCE PROGRAM ENTER THE FOLLOWING IDENTIFYING DATA FY, CUC, DRAW, OC.

= (Enter values separated by commas)

Enter the percents to be changed using the decimal form.

TYPE IN 99. FOR THOSE PERCENTS NOT BEING CHANGED.
DRAW %, OC %, ACFT %, MISS %, ENG %, OMEI %, EXCH %, AND ABM %.

= (Enter values separated by commas)

DO YOU HAVE MORE CORRECTIONS (Y OR N)?

= (Enter Y or N)

NOTE: Percentage changes will be reflected in the data file NEWPER.

APPENDIX C.1

DATAFILE SAMPLE MODPCT

```
*BCDASCB


        BCDASC MODPCT
LINE NUMBERS?
TAB CHARACTERS AND SETTING?
*LIST
FY  TOTAL   AFR   ANG   DA    DAF   DN    MAC   MAP   SYS   OTH
82 1650977 0043782 0089775 0003543 1340526 0027278 0131981 0000524 0022340 0324531

READY

*
```



```
BYE
CREATE OFF AT  7.193
```

APPENDIX C.2

DATAFILE SAMPLE REOPER

DATAFILE REQPER

FY	CUS	DRAW	DRAW %	O/C	O/C %	ACFT %	MISS %	ENG %	OMEI %	EXCH %	ABT %
82	AFT	07123	05949	00000	00000	01347	00000	08653	00000		
82	AFT	07123	04851	00000	00000	01832	00000	03168	00000		
82	AFT	12378	02182	09139	00000	00000	00000	00000	00361		
82	AFR	12378	07893	05593	00000	00000	00035	04372	00000		
82	AFR	00000	00000	00000	00000	00000	00000	00000	00000		
82	AFR	00000	00000	00000	00000	00000	00000	00000	00000		
82	ANG	06312	07502	00000	00000	03404	00000	06596	00000		
82	ANG	06312	02498	00000	00000	03273	00000	06727	00000		
82	ANG	03688	05268	08465	00000	00000	00753	00000	00781		
82	ANG	03688	04940	09141	00000	00000	00397	00762	00000		
82	ANG	00000	00000	00000	00000	00000	00000	00000	00000		
82	ANG	00000	00000	00000	00000	00000	00000	00000	00000		
82	DA	00734	00000	00000	00000	00000	00000	00000	00000		
82	DA	00734	10000	00000	00000	10000	00000	00000	00000		
82	DA	09296	08645	00000	00000	00000	00046	09493	00461		
82	DA	09296	01355	00000	00000	00000	00001	00000	00000		
82	DA	00000	00000	00000	00000	00000	00000	00000	00000		
82	DA	00000	00000	00000	00000	00000	00000	00000	00000		
82	DAF	00000	00000	00000	00000	00000	00000	00000	00000		
82	DAF	00000	00000	00000	00000	00000	00000	00000	00000		
82	DAF	00000	00000	00000	00000	00000	00000	00000	00000		
82	DAF	00000	00000	00000	00000	00000	00000	00000	00000		
82	DAF	10000	06725	01816	00338	00925	00221	06514	00488		
82	DAF	10000	03284	02835	00445	00762	00454	05503	00000		
82	DN	00000	00000	00000	00000	00000	00000	00000	00000		
82	DN	00000	00000	00000	00000	00000	00000	00000	00000		
82	DN	10000	06142	00000	00000	04533	01311	03994	00162		
82	DN	10000	03858	00296	00000	06305	00000	03398	00000		
82	DN	00000	00000	00000	00000	00000	00000	00000	00000		
82	DN	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAC	04883	06956	00000	00000	01351	00000	03149	00000		
82	MAC	04883	03044	00000	00000	02242	00000	09758	00000		
82	MAC	05118	04515	09930	00000	00000	00000	00021	00049		
82	MAC	05118	05485	10000	00000	00000	00000	00000	00000		
82	MAC	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAC	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAP	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAP	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAP	10000	01679	00000	00000	00000	00455	00000	09545		
82	MAP	10000	08321	09679	00000	00000	00000	00321	00000		
82	MAP	00000	00000	00000	00000	00000	00000	00000	00000		
82	MAP	00000	00000	00000	00000	00000	00000	00000	00000		
82	SYS	05084	06023	00000	00000	01933	00000	03397	00000		
82	SYS	05084	03977	00000	00000	03916	00000	09084	00000		
82	SYS	04916	07225	07618	00751	00000	00000	00300	01331		
82	SYS	04916	02775	05820	00000	00000	00738	03442	00000		
82	SYS	00000	00000	00000	00000	00000	00000	00000	00000		
82	SYS	00000	00000	00000	00000	00000	00000	00000	00000		
82	OTH	00155	01102	00000	00000	00000	00000	00000	10000		
82	OTH	00155	08898	00000	00000	10000	00000	00000	00000		
82	OTH	09845	08909	00126	00139	00000	00001	00600	09135		
82	OTH	09845	01091	04134	00000	00000	00144	05672	00000		
82	OTH	00000	00000	00000	00000	00000	00000	00000	00000		
82	OTH	00000	00000	00000	00000	00000	00000	00000	00000		

APPENDIX C.3

DATAFILE SAMPLE REQDOL

DATAFILE PEQDOL

FY	CUS	DRAW O/C	AFCT $	MISS $	ENG $	OMEI $	EXCH $	ABN $	FILLER
82	AFR	P	00000000	00000000	00002499	00000000	00016049	00000000	00000
82	AFR	P	00000000	00000000	00002314	00000000	00010313	00000000	00000
82	AFR	D	00002421	00000000	00000000	00000000	00000000	00000223	00000
82	AFR	D	00005567	00000000	00000000	00000035	00004351	00000000	00000
82	AFR	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	AFR	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	ANG	P	00000000	00000000	00014469	00000000	00023041	00000000	00000
82	ANG	P	00000000	00000000	00004632	00000000	00009520	00000000	00000
82	ANG	D	00014133	00000000	00000000	00001262	00000000	00013099	00000
82	ANG	D	00014954	00000000	00000000	00000158	00001247	00000000	00000
82	ANG	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	ANG	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DA	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DA	P	00000000	00000000	00000038	00000000	00000000	00000000	00000
82	DA	D	00000000	00000000	00000000	00000002	00000412	00000020	00000
82	DA	D	00000000	00000000	00000000	00000000	00000068	00000000	00000
82	DA	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DA	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DAF	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DAF	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DAF	D	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DAF	D	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DAF	A	00164528	00003405	00383773	00019999	00592300	00442050	00000
82	DAF	A	00125420	00019683	00333712	00020102	00243408	00000000	00000
82	DN	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DN	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DN	D	00000000	00000000	00007595	00002196	00006692	00002720	00000
82	DN	D	00003312	00000000	00006635	00000000	00003576	00000000	00000
82	DN	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	DN	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAC	P	00000000	00000000	00012697	00000000	00055895	00000000	00000
82	MAC	P	00000000	00000000	00000726	00000000	00002921	00000000	00000
82	MAC	D	00046344	00000000	00000000	00000000	00000099	00000227	00000
82	MAC	D	00056702	00000000	00000000	00000000	00000000	00000000	00000
82	MAC	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAC	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAP	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAP	P	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAP	D	00000000	00000000	00000004	00000000	00000084	00000000	00000
82	MAP	D	00004222	00000000	00000000	00000000	00000014	00000000	00000
82	MAP	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	MAP	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	SYS	P	00000000	00000000	00001284	00000000	00005465	00000000	00000
82	SYS	P	00000000	00000000	00000408	00000000	00004048	00000000	00000
82	SYS	D	00005963	00000588	00000002	00000000	00000235	00001042	00000
82	SYS	D	00001750	00000000	00000000	00000222	00001035	00000000	00000
82	SYS	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	SYS	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	OTH	P	00000000	00000000	00000000	00000000	00000000	00000042	00000
82	OTH	P	00000000	00000000	00000339	00000000	00000000	00000000	00000
82	OTH	D	00000271	00000299	00000000	00000002	00001290	00001654	00000
82	OTH	D	00001102	00000000	00000000	00000038	00001494	00000000	00000
82	OTH	A	00000000	00000000	00000000	00000000	00000000	00000000	00000
82	OTH	A	00000000	00000000	00000000	00000000	00000000	00000000	00000

APPENDIX C.4

DATAFILE SAMPLE 3 PAGE.B

3PAGE.8 = **FILE** OF
FUNDING PRIORITY

MD OR MDS CODE	MD	MDS	
AI	AIM4	,AIM004A	
ADA	437 B	,437/BURN	
AI	AIM4	,AIM004D	
AI	AIM4	,AIM004F	
AI	AIM4	,AIM004G	
AE	AIM9	,AIM009B	
AJ	BOM34	,BOM034B	
AJ	BOM34	,BOM034A	
AJ	BOM34	,BOM034F	
AJ	BOM34	,BOM034E	
AK	CGM16	,CGM016E	
AL	CIM10	,CIM010B	
AM	COM10	,COM010A	
AN	LGM25	,LGM025C	
AH	LGM30	,LGM030A	
AH	LGM30	,LGM030C	
AH	LGM30	,LGM030B	
AH	LGM30	,LGM030F	
AH	LGM30	,LGM030G	
AQ	PGM17	,PGM017A	
AR	SLV	,WS96	
AR	SLV	,DSP	
YX	ELCOM	,MCGS	
AD	ADM20	,ADM020C	
AG	AGM28	,AGM028B	
AF	AGM45	,AGM045A	
AB	AGM69	,AGM069A	
AC	AGM65	,AGM65A	
ACF	HGM16	,HGM016F	
BCA	C131	,C131A	10
BCB	C131	,C131B	20
BCD	C131	,C131D	30
BCE	C131	,C131E	40
BCF	C131	,C131H	
BCG	C131	,C131X	50
BC	C131	,VC131A	
BC	C131	,VC131D	
BCH	C131	,VC131H	60
BCJ	T29	,T029A	70
BCK	T29	,VT029A	80
BCL	T29	,T029B	90
BCM	T29	,VT029B	100
BCN	T29	,T029C	110
BCP	T29	,VT029C	0
BCR	T29	,T029D	130
BCS	T29	,VT029D	140
BC	T29	,VT029E	
BC	T29	,CT029A	
BCX	T29	,T029X	
BC	T29	,ET029D	
BD	U10	,U010A	
BDB	U10	,U010B	150
BDD	U10	,U010D	160
BFA	F4	,F004A	170
BFB	F4	,F004B	180
BFC	F4	,RF004B	190
BFD	F4	,F004C	200

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BFE F4    ,RF004C                210
BFF F4    ,F004D                 220
BFG F4    ,F004E                 230
BFH F4    ,F004C                 240
BFR F4    ,F004F
BFJ F4    ,F004J                 250
BFK F4    ,F004N
BHA F102  ,F102A                 260
BHB F102  ,TF102A                270
BJA F111  ,F111A                 280
BJC F111  ,F111C                 290
BJD F111  ,F111D                 300
BJE F111  ,F111E                 310
BJF F111  ,F111F                 320
BJG F111  ,RF111A                330
BJH F111  ,EF111A                340
BRA B111  ,FB111
BR  B111  ,FB111A
BKA F106  ,F106A                 350
BKB F106  ,F106B                 360
BPA U17   ,U017A                 370
BPB U17   ,U017B                 380
BPC U17   ,U017C                 390

BXA C7    ,C007A                 410
BXZ C7    ,C0077                 420
BYA C8    ,C008                  430
BYB C8    ,XC008A
BZ  H53   ,H053B
BZ  H53   ,H053C
BZA H53   ,HH053B                440
BZB H53   ,CH053C                450
BZC H53   ,HH053C                460
CEE WSM4A,WSM004A
CEE WSM4C,WSM004C
CEE WSM4F,WSM004F
CFA A1    ,A001E                 470
CGA 02    ,0002A                 480
CGB 02    ,0002B
COA C9    ,C009A                 490
COB C9    ,VC009C
DAE H13   ,DH013E                500
DAG H13   ,DH013G                510
DAH H13   ,DH013H                520
DC  C47   ,C047A
DC  C47   ,C047D
DCA C47   ,C047                  530
DC  C47   ,AC047
DCE C47   ,EC047D                540
DCC C47   ,EC047                 550
DC  C47   ,EC047N
DC  C47   ,EC047P
DCD C47   ,HC047                 560
DCE C47   ,RC047                 570
DCF C47   ,IC047                 580
DCG C47   ,VC047                 590
DC  C47   ,VC047A
DC  C47   ,VC047D
DCH C47   ,C047Y                 600
DCM C117  ,C117                  610
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DCX C117 ,C117X                 620
DDF H23  ,DH023F                630
DEA C54  ,C054D                 640
DEB C54  ,HC054D                650
DEC C54  ,IC054D                660
DEE C54  ,C054E
DEG C54  ,C054G
DEX C54  ,C054X                 670
DEZ C54  ,C0547                 680
DFC H34  ,CH034C                690
DFD H34  ,DH034D                700
DFJ H34  ,DH034J                710
DHA C118 ,C118A                 720
DHB C118 ,VC118A                730
DHX C118 ,C118X                 740
DH  C118 ,EC118A
DJC C124 ,C124C                 750
DKA B26  ,IB026                 760
DKB B26  ,VB026B                770
DKK B26  ,B026K                 780
DLA B66  ,EB066B                790
DLB B66  ,RB066B                800
DLC B66  ,EB066C                810
DLD B66  ,EB066D                820
DLE B66  ,EB066E                830
DL  B66  ,WB066D
DMA C133 ,C133A                 840
DMB C133 ,C133B                 850
DHA S2   ,S002D                 860
DVA C10  ,C010                  870
DZB B22  ,DD022B                880
ECJ E89  ,E089J                 890
EVA DV10 ,DV010A                 90
FEA B47  ,B047B                 910
FEB B47  ,IB047B                920
FED B47  ,B047E                 930
FEE B47  ,RB047E                940
FEG B47  ,WB047E                950
FEH B47  ,RB047H                960
FFD B50  ,WB050D                970
FGA B52  ,B052A                 980
FGB B52  ,B052B                 990
FGC B52  ,B052C                1000
FGD B52  ,B052D                1010
FGE B52  ,B052E                1020
FGF B52  ,B052F                1030
FGG B52  ,B052G                1040
FGH B52  ,B052H                1050
FHC C97  ,C097C                1060
FHD C97  ,C097D                1070
FHE C97  ,C097G
FHG C97  ,KC097G                1080
FHL C97  ,KC097I                1090
FLA C135 ,C135A                1100
FLB C135 ,EC135A                1110
FL  C135 ,EC135G
FL  C135 ,EC135H
FL  C135 ,EC135J
FL  C135 ,EC135K
FL  C135 ,EC135L
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FL  C135 ,EC135N
FL  C135 ,EC135P
FLC C135 ,KC135A          1120
FL  C135 ,RC135
FL  C135 ,KC135Q
FL  C135 ,KC135R
FLD C135 ,RC135A          1130
FL  C135 ,RC135Q
FL  C135 ,RC135T
FLE C135 ,C135B           1140
FLP C135 ,C135C
FLF C135 ,WC135B          1150
FLG C135 ,EC135C          1160
FLH C135 ,RC135C          1170
FLJ C135 ,RC135M          1180
FLK C135 ,RC135S
FLL C135 ,RC135U
FLM C135 ,RC135V
FL  C135 ,VC135B
FX  F15  ,F015
FXA F15  ,F015A            119
FX  F15  ,TF015
FXB F15  ,TF015A
FYA F16  ,F016A
FYB F16  ,F016B
GA  H1   ,HH001H
GAE H1   ,UH001B            00
GAD H1   ,UH001D            10
GAE H1   ,TH001E            20
GAF H1   ,UH001F            30
GAH H1   ,UH001H            40
GAN H1   ,UH001N            50
GAP H1   ,UH001P
GBA H16  ,HH016A            60
GBB H16  ,HH016B            70
GCA C142 ,C142              80
GEA U6   ,U006              90
GEB U6   ,U006A
GJA H21  ,CH021A          1300
GJB H21  ,CH021B          1310
GJC H21  ,HH021B          1320
GMA U7   ,U007            1330
GMA U7   ,U007A
GNA U4   ,U004A           1340
GNB U4   ,U004B
GPA A37  ,A037            1350
GPB A37  ,A037A
GPC A37  ,A037B
GUA F101 ,F101B           1360
GUB F101 ,RF101B          1370
GUC F101 ,F101C           1380
GUD F101 ,RF101C          1390
GUE F101 ,F101E
GUG F101 ,RF101G          1400
HGA T34  ,T034            1410
HHA H47  ,CH047A             142
JCB H43  ,HH043B          1430
JCE H43  ,HH043E          1440
JHA C141 ,C141            1450
JHB C141 ,C141A
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KCA B57   ,RB057A          1460
KCB B57   ,B057B           1470
KCC B57   ,B057C           1480
KCD B57   ,ER057D          1490
KCE B57   ,B057E           1500
KCF B57   ,B057G           1510
KC  B57   ,ER057R
KC  B57   ,ER057F
KCH B57   ,RB057F          1520
KCJ B57   ,WB057F
LCA T33   ,T033A           1530
LC  T33   ,AT033A
LCB T33   ,DT033A          1540
LCC T33   ,RT033A          1550
LCX T33   ,T033X           1560
LCY T33   ,QT033X          1570
LFA C121  ,C121A           1580
LFB C121  ,C121C           1590
LFC C121  ,RC121C          1600
LFD C121  ,EC121D          1610
LFE C121  ,EC121
LFF C121  ,EC121T          1620
LFG C121  ,C121G           1630
LFH C121  ,EC121P          1640
LFK C121  ,EC121K          1650
LFR C121  ,EC121R          1660
LFX C121  ,C121X           1670
LF  C121  ,EC121Q
LF  C121  ,EC121S
LF  C121  ,VC121C
LGA C130  ,C130A           1680
LGB C130  ,DC130A          1690
LGC C130  ,WC130A          1700
LGD C130  ,AC130A          1710
LG  C130  ,AC130E
LGF C130  ,AC130H
LGE C130  ,RC130A          1720
LGH C130  ,C130R           1730
LGJ C130  ,WC130B          1740
LGL C130  ,C130D           1750
LGN C130  ,C130F           1760
LGG C130  ,C130H
LGP C130  ,DC130E          1770
LGR C130  ,WC130L          1780
LGS C130  ,HC130H          1790
LG  C130  ,HC130E
LGT C130  ,HC130N          1800
LGU C130  ,WC130H
LGX C130  ,C130X           1810
LGY C130  ,C130Y           1820
LG  C130  ,DC130H
LG  C130  ,HC130P
LHA C5    ,C005A           1830
LJA C6    ,VC006A          1840
LKA F104  ,QF104A          1850
LKB F104  ,F104A           1860
LKC F104  ,F104R           1870
LKD F104  ,F104C           1880
LKE F104  ,F104D           1890
LKF F104  ,F104G           1900
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LKG F104 ,RF104G                1910
LKH F104 ,TF104G                1920
LK  F104 ,QF104
MAD A7   ,A007D                 1930
MAE A7   ,A007E
MEG T6   ,T006G                 1940
MFA T28  ,T028A                 1950
MFB T28  ,T028B                 1960
MFD T28  ,T028D                 1970
MJA F86  ,F086D                 1980
MJB F86  ,F086F                 1990
MJC F86  ,RF086F                2000
MJD F86  ,F086H                 2010
MLA F100 ,F100A                 2020
MLC F100 ,F100C                 2030
MLD F100 ,F100D                 2040
MLF F100 ,F100F                 2050
MSA F51  ,F051                  2060
MSB F51  ,F051A
MSC F51  ,TF051
NBA F84  ,F084F                 2070
NBB F84  ,RF084F                2080
NEB F105 ,F105B                 2090
NED F105 ,F105D                 2100
NEF F105 ,F105F                 2110
NEG F105 ,F105G                 2120
RBA C119 ,C119C                 2130
RBB C119 ,C119G                 2140
RBC C119 ,C119K
RBD C119 ,C119J                 2150
RBE C119 ,AC119G                2160
RBF C119 ,AC119K                2170
RBG C119 ,C119L
RBX C119 ,C119X                 2180
REB C123 ,C123B                 2190
REJ C123 ,C123J                 2200
REK C123 ,C123K                 2210
REY C123 ,C123Y                 2220
RE  C123 ,UC123K
RE  C123 ,VC123K
SBA MGM13,MGM013A
SCA 01   ,0001A
SCE 01   ,0001E                 2230
SCF 01   ,0001F                 2240
SEA T37  ,T037A
SEB T37  ,T037B                 2250
SEA U3   ,U003A                 2260
SEB U3   ,U003B
THB H3   ,CH003B                2270
THC H3   ,CH003C                2280
THE H3   ,CH003E                2290
TH  H3   ,HH003E
THY H3   ,HH003Y                2300
TXA T43  ,T043                  2310
WBA H19  ,HH019A                2320
WBB H19  ,HH019B                2330
WBD H19  ,UH019D                2340
XCA C137 ,VC137A                2350
XCB C137 ,VC137B
XCC C137 ,VC137C
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XBA C140  ,C140                 2360
XBB C140  ,C140A
XB  C140  ,VC140B
XEA T38   ,T038A                2370
XEX T38   ,T038X
XF  T39   ,T039
XFA T39   ,T039A                 238
XFB T39   ,T039B
XFF T39   ,T039F
XFX T39   ,T039X                2390
XHA C46   ,C046                 2400
XHB C46   ,C046A
XJA F5    ,F005A                2410
XJB F5    ,RF005A               2420
XJC F5    ,F005B                2430
XJE F5    ,F005E                2440
XJF F5    ,F005F
XJX F5    ,F005X
XXA B58   ,B058A                2450
YX  ELCOM,GPQ-T6
YX  ELCOM,GPS-T2
YX  ELCOM,JA
YX  ELCOM,CRITICOM
YS  BOATS,3333
YX  ELCOM,404L
YX  ELCOM,407L
YX  ELCOM,412L
YX  ELCOM,416L
YX  ELCOM,425L
YX  ELCOM,433L
ADA 437 R,437/BURN
YX  ELCOM,440L
YZ  VHCLE,4444
YX  ELCOM,465L
YX  ELCOM,466L
YX  ELCOM,474L
YX  ELCOM,474N
YX  ELCOM,486L
YX  ELCOM,489L
YX  ELCOM,492L
YX  ELCOM,494L
YX  ELCOM,496L
YG  GPEOU,6666
YW  MONIT,7777
YX  ELCOM,ZE
YX  ELCOM,ZH
YX  ELCOM,ZL
YX  ELCOM,ZS
YX  ELCOM,ZT
YX  ELCOM,ZU
YX  ELCOM,ZX
11A T41   ,T041A                2460
11C T41   ,T041C
11D T41   ,T041D                2470
12B A4    ,A004B                2480
13A A10   ,A010                 2490
13B A10   ,A010A
14A U1    ,U001A                2500
15A B45   ,B045                 2510
16A F8    ,F008X                2520
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17A T2    ,T002X          2530
18A P2    ,P002X          2540
19A E3    ,E003A          2550
20A AU23  ,AU23A          2560
20B AU23  ,AU023A
21A AU24  ,AU24A          2570
21B AU24  ,AU024A
22A CX    ,C00XX
23A C747  ,EC747          2590
24A B1    ,B001           2600
24B B1    ,B001A
25A C11   ,C011           2610
26A H15   ,MH-15          2620
27A F37   ,F37A           2630
27B T45   ,T45            2640
28A C1    ,C001X
29A COMM  ,COMM           2660
30A GAT1  ,GAT/1          2670
31A T10   ,APOT10         2680
32A C12   ,C012A
33A E4    ,E004A
35A 2T    ,T002R
42A AOM34 ,AOM034A
TX  T43   ,T043A
888 OTHER ,UNKNOWN
888 OTHER ,OTHER          2690
999 COMMN ,COMMON         2700
```

APPENDIX C.5

DATAFILE SAMPLE NEWPER

DATAFILE NEWPEP

FY	CUS	DRAW O/C	AFCT S	MISS S	ENG S	OMEI S	EXCH S	ABN S	FILLER
82	AFD	P	0000000000	0000000000	0000002499	0000000000	0001160499	0000000000	0000000000
82	AFD	P	0000000000	0000000000	0000002314	0000000000	0001031399	0000000000	0000000000
82	AFD	D	0000002421	0000000000	0000000000	0000000000	0000000000	0000002230	0000000000
82	AFD	D	0000055670	0000000000	0000000000	0000000350	0000043510	0000000000	0000000000
82	AFR	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	AFR	A	0000000000	0000000000	0000000000	0000000000	0000003220	0000000000	0000000000
82	ANG	R	0000000000	0000000000	0001446990	0000000000	0002337410	0000000000	0000000000
82	ANG	R	0000000000	0000000000	0000046320	0000000000	0000095200	0000000000	0000000000
82	ANG	D	0001414330	0000000000	0000000000	0000012620	0000000000	0000013190	0000000000
82	ANG	D	0001495400	0000000000	0000000000	0000001530	0000012470	0000000000	0000000000
82	ANG	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	ANG	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DA	R	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DA	R	0000000000	0000000000	0000000338	0000000000	0000000000	0000000000	0000000000
82	DA	D	0000000000	0000000000	0000000000	0000000020	0000004120	0000002000	0000000000
82	DA	D	0000000000	0000000000	0000000000	0000000000	0000000680	0000000000	0000000000
82	DA	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DA	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DAF	P	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DAF	R	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DAF	D	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DAF	D	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DAF	A	0016452800	0003405000	0837730019	9990590230	0044205000	0000000000	0000000000
82	DAF	A	0012542000	0196830033	7120002010	2024340800	0000000000	0000000000	0000000000
82	DN	P	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DN	P	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DN	J	0000000000	0000000000	0007595000	2196000669	2000027200	0000000000	0000000000
82	DN	D	0000031200	0000000000	0006635000	0000000000	0003576000	0000000000	0000000000
82	DN	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	DN	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAC	R	0000000000	0000000000	0001269700	0000000000	0005589500	0000000000	0000000000
82	MAC	R	0000000000	0000000000	0000072600	0000000000	0002923100	0000000000	0000000000
82	MAC	D	0034634400	0000000000	0000000000	0000000000	0000009900	0000022700	0000000000
82	MAC	D	0025670200	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAC	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAC	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAP	P	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAP	P	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAP	D	0000000000	0000000000	0000000000	0000000040	0000000000	0000003400	0000000000
82	MAP	D	0000042200	0000000000	0000000000	0000000000	0000001400	0000000000	0000000000
82	MAP	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	MAP	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	SYS	D	0000000000	0000000000	0000012840	0000000000	0000054650	0000000000	0000000000
82	SYS	D	0000000000	0000000000	0000004030	0000000000	0000040480	0000000000	0000000000
82	SYS	D	0000596300	0005380000	0000000000	0000000000	0000235000	0104200000	0000000000
82	SYS	D	0000175000	0000000000	0000000000	0000022200	0001035000	0000000000	0000000000
82	SYS	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	SYS	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	OTH	R	0000000000	0000000000	0000000000	0000000000	0000000000	0000003420	0000000000
82	OTH	R	0000000000	0000000000	0000003390	0000000000	0000000000	0000000000	0000000000
82	OTH	D	0000002710	0000000000	0000000000	0000000000	0000012900	0001965400	0000000000
82	OTH	D	0000011020	0000000000	0000000000	0000000000	0000014940	0000000000	0000000000
82	OTH	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000
82	OTH	A	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000	0000000000

APPENDIX C.6

DATAFILE SAMPLE FILE

PFILE 82 = PRIORITY FILE FOR FY 82

MD CODE	RELATIVE FUNDING PRIORITY
42	01
19	02
FG	03
AN	04
LH	05
24	06
AH	07
JH	08
BR	09
FL	10
BZ	11
BJ	12
BF	13
EV	14
FX	15
13	16
LG	17
BK	18
FY	19
CG	20
TH	21
GA	22
LC	23
XJ	24
GU	25
MA	26
28	27
AJ	28
BH	29
FB	30
XD	31
XE	32
TX	33
11	34
SE	35
DH	36
XF	37
GN	38
34	39
KC	40
NE	41

READY

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APPENDIX D

REPORT 1

DPEM REQUIREMENT

ALLOCATION SUMMARY BY MODEL DESIGN

OPR XRS — RPLM REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN — RCN CONTROL NUMBER

DATE 11/12/76 — FISCAL YEAR 77 — PAGE 1

MODEL DESIGN	CUSTOMER CODE	REPAIR GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS ($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	PERCENT REQMT	CUMMULATIVE ALLOCATED DOLLARS ($000)
2T	DN	E	68	2,773	2,773	2,773	100.0	2,773
2T	DN	J	68	2,380	5,153	2,380	100.0	5,153
---2T	--- CUSTOMER SUBTOTAL *DN * >>>>>>>>>>>>>			5,153	5,153	5,153	100.0	5,153
***2T	*** AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			5,153	5,153	5,153	100.0	5,153
437 B	DAF	J	13	126	5,279	120	95.2	5,273
437 B	DAF	K	13	8	5,287	7	87.5	5,280
437 B	DAF	L	13	65	5,352	60	92.3	5,340
---437 B--- CUSTOMER SUBTOTAL *DAF* >>>>>>>>>>>>>				199	5,352	187	93.9	5,340
437 B AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>				199	5,352	187	93.9	5,340
A10	DAF	A	38	123	5,476	88	70.9	5,428
A10	DAF	E	38	236	5,712	186	78.8	5,614
A10	DAF	J	38	808	6,520	615	76.1	6,229
A10	DAF	L	38	0	6,520	0	0.0#	6,229
---A10	--- CUSTOMER SUBTOTAL *DAF* >>>>>>>>>>>>>			1,168	6,520	889	76.1	6,229
A10	DN	J	38	0	6,520	0	0.0#	6,229
---A10	--- CUSTOMER SUBTOTAL *DN * >>>>>>>>>>>>>			0	6,520	0	0.0#	6,229
A10	SYS	J	38	0	6,520	0	0.0#	6,229
A10	SYS	K	38	54	6,574	54	100.0	6,283
---A10	--- CUSTOMER SUBTOTAL *SYS* >>>>>>>>>>>>>			54	6,574	54	100.0	6,283
***A10	*** AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			1,222	6,574	943	77.1	6,283
A37	310	K	46	3	6,577	3	100.0	6,286
---A37	--- CUSTOMER SUBTOTAL *310* >>>>>>>>>>>>>			3	6,577	3	100.0	6,286
A37	AFR	A	46	848	7,425	848	100.0	7,134
A37	AFR	K	46	17	7,442	17	100.0	7,151
---A37	--- CUSTOMER SUBTOTAL *AFR* >>>>>>>>>>>>>			865	7,442	865	100.0	7,151
A37	ANG	A	46	346	7,788	346	100.0	7,497

***# VALUE 0 IN ANY FIELD RESULTS IN 0 APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

REEM REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN
FISCAL YEAR 77

MODEL DESIGN	CUSTOMER CODE	REPAIR GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS ($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	PERCENT REQMT	CUMMULATIVE ALLOCATED DOLLARS ($000)
---A37	--- CUSTOMER SUBTOTAL•ANG•>>>>>>>>>>>>>			346	7,788	346	100.0	7,497
A37	DA	K	46	0	7,788	0	0.0#	7,497
---A37	--- CUSTOMER SUBTOTAL•DA •>>>>>>>>>>>>>			0	7,788	0	0.0#	7,497
A37	DAF	G	46	5	7,793	4	80.0	7,501
A37	DAF	J	46	743	8,536	561	75.5	8,062
A37	DAF	K	46	3	8,539	3	100.0	8,065
A37	DAF	L	46	12	8,551	10	83.3	8,075
---A37	--- CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>>			763	8,551	578	75.7	8,075
A37	DN	J	46	0	8,551	0	0.0#	8,075
---A37	--- CUSTOMER SUBTOTAL•DN •>>>>>>>>>>>>>			0	8,551	0	0.0#	8,075
A37	SSD	K	46	2	8,553	2	100.0	8,077
---A37	--- CUSTOMER SUBTOTAL•SSD•>>>>>>>>>>>>>			2	8,553	2	100.0	8,077
A37	SYS	J	46	0	8,553	0	0.0#	8,077
---A37	--- CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>>			0	8,553	0	0.0#	8,077
•••A37	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>>			1,979	8,553	1,794	90.6	8,077
AZ	AIR	R	29	132	8,685	132	100.0	8,209
---AZ	--- CUSTOMER SUBTOTAL•AIR•>>>>>>>>>>>>>			132	8,685	132	100.0	8,209
AZ	ANG	A	29	1,434	10,119	1,434	100.0	9,643
---AZ	--- CUSTOMER SUBTOTAL•ANG•>>>>>>>>>>>>>			1,434	10,119	1,434	100.0	9,643
AZ	DA	F	29	0	10,119	0	0.0#	9,643
---AZ	--- CUSTOMER SUBTOTAL•DA •>>>>>>>>>>>>>			0	10,119	0	0.0#	9,643
AZ	DAF	A	29	1,214	11,333	915	75.3	10,558
AZ	DAF	B	29	38	11,371	28	73.6	10,586
AZ	DAF	E	29	1,025	12,396	808	78.8	11,394
AZ	DAF	F	29	695	13,091	548	78.8	11,942
AZ	DAF	G	29	294	13,385	264	89.7	12,206
AZ	DAF	J	29	14,575	27,960	11,523	79.0	23,729
AZ	DAF	K	29	431	28,391	340	78.8	24,069
AZ	DAF	L	29	310	28,701	247	79.6	24,316

•••# VALUE # IN ANY FIELD RESULTS IN # APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

MODEL DESIGN	CUSTOMER CODE	REPAIR GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS ($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	PERCENT REQMT	CUMMULATIVE ALLOCATED DOLLARS ($000)
---T43	--- CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>>			0	1,717,762	0	0.0#	1,438,209
•••T43	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			3,659	1,717,762	2,601	71.0	1,438,209
U10	DAF	J	60	29	1,717,791	21	72.4	1,438,230
U10	DAF	L	60	0	1,717,791	0	0.0#	1,438,230
---U10	--- CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>>			29	1,717,791	21	72.4	1,438,230
U10	DN	J	60	0	1,717,791	0	0.0#	1,438,230
U10	DN	L	60	0	1,717,791	0	0.0#	1,438,230
---U10	--- CUSTOMER SUBTOTAL•DN •>>>>>>>>>>>>>			0	1,717,791	0	0.0#	1,438,230
U10	SSD	J	60	0	1,717,791	0	0.0#	1,438,230
---U10	--- CUSTOMER SUBTOTAL•SSD•>>>>>>>>>>>>>			0	1,717,791	0	0.0#	1,438,230
U10	SYS	J	60	0	1,717,791	0	0.0#	1,438,230
---U10	--- CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>>			0	1,717,791	0	0.0#	1,438,230
•••U10	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			29	1,717,791	21	72.4	1,438,230
U17	DAF	J	60	54	1,717,845	39	72.2	1,438,269
U17	DAF	L	60	0	1,717,845	0	0.0#	1,438,269
---U17	--- CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>>			54	1,717,845	39	72.2	1,438,269
U17	DN	F	60	4	1,717,849	4	100.0	1,438,273
---U17	--- CUSTOMER SUBTOTAL•DN •>>>>>>>>>>>>>			4	1,717,849	4	100.0	1,438,273
•••U17	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			58	1,717,849	43	74.1	1,438,273
U3	DAF	J	10	5	1,717,854	5	100.0	1,438,278
U3	DAF	L	10	0	1,717,854	0	0.0#	1,438,278
---U3	--- CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>>			5	1,717,854	5	100.0	1,438,278
U3	DN	F	10	2	1,717,856	2	100.0	1,438,280
U3	DN	J	10	0	1,717,856	0	0.0#	1,438,280

•••• VALUE 0 IN ANY FIELD RESULTS IN # APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

OPR XRS
DATE 11/12/76

OPEM REQUIREMENT-ALLOCATION SUMMARY BY MODEL DESIGN
FISCAL YEAR 77

RCN CONTROL NUMBER

MODEL DESIGN	CUSTOMER CODE	REPAIR GROUP CATEGORY	LEVEL OF PRIORITY	REQUIREMENT DOLLARS ($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	PERCENT REQMT	CUMMULATIVE ALLOCATED DOLLARS ($000)
---03	--- CUSTOMER SUBTOTAL•DN •>>>>>>>>>>>>			2	1,717,856	2	100.0	1,438,280
03	SYS	J	10	0	1,717,856	0	0.0#	1,438,280
---03	--- CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>			0	1,717,856	0	0.0#	1,438,280
•••03	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			7	1,717,856	7	100.0	1,438,280
04	DAF	E	58	32	1,717,888	24	75.0	1,438,304
04	DAF	J	58	0	1,717,888	0	0.0#	1,438,304
04	DAF	L	58	0	1,717,888	0	0.0#	1,438,304
---04	--- CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>			32	1,717,888	24	75.0	1,438,304
04	DN	J	58	0	1,717,888	0	0.0#	1,438,304
---04	--- CUSTOMER SUBTOTAL•DN •>>>>>>>>>>>>			0	1,717,888	0	0.0#	1,438,304
04	SYS	J	58	0	1,717,888	0	0.0#	1,438,304
---04	--- CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>			0	1,717,888	0	0.0#	1,438,304
•••04	••• AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			32	1,717,888	24	75.0	1,438,304
VHCLE	AFE	G	60	189	1,718,077	189	100.0	1,438,493
---VHCLE---	CUSTOMER SUBTOTAL•AFE•>>>>>>>>>>>>			189	1,718,077	189	100.0	1,438,493
VHCLE	ANG	G	60	547	1,718,624	547	100.0	1,439,040
---VHCLE---	CUSTOMER SUBTOTAL•ANG•>>>>>>>>>>>>			547	1,718,624	547	100.0	1,439,040
VHCLE	DAF	G	60	14,309	1,732,933	11,319	79.1	1,450,359
VHCLE	DAF	J	60	2,048	1,734,981	1,462	71.3	1,451,821
---VHCLE---	CUSTOMER SUBTOTAL•DAF•>>>>>>>>>>>>			16,357	1,734,981	12,781	78.1	1,451,821
VHCLE	SYS	G	60	480	1,735,461	480	100.0	1,452,301
---VHCLE---	CUSTOMER SUBTOTAL•SYS•>>>>>>>>>>>>			480	1,735,461	480	100.0	1,452,301
•••VHCLE•••	AIRCRAFT SUBTOTAL >>>>>>>>>>>>>>>>			17,573	1,735,461	13,997	79.6	1,452,301

•••S VALUE 0 IN ANY FIELD RESULTS IN # APPENDED ZERO PLACED IN PERCENTAGE FIELD DUE TO UNCERTAINTY OF QUOTIENT

APPENDIX E

REPORT 2

DPEM REQUIREMENT

ALLOCATION SUMMARY BY HIGH $ BURNER

WEAPON SYSTEM

OPEN REQUIREMENT-ALLOCATION SUMMARY BY HIGH BURNER WEAPON SYSTEM

FISCAL YEAR 76 ALC OC

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
A007D	DQEV	A	DAF	1MADA	29	45,018	45,018	37,465	37,465
H052G	DJGL	R	DAF	1FGGA	05	36,639	81,657	33,763	71,228
A007D	DQSQ	E	DAF	1MADB	29	21,652	103,309	17,660	88,888
C135A	DJEQ	R	SYS	1FLAA	19	20,187	123,496	8,408	97,296
VC137C	DQGU	A	MAC	1XCRC	15	18,410	141,906	18,410	115,706
KC135A	DWZP	E	DAF	1FLCB	19	9,587	151,493	8,818	124,524
A007E	DWBG	E	DN	1MAEB	29	8,623	160,116	1,851	126,375
F004D	DQEK	E	DAF	1MEFB	24	6,873	166,989	5,936	132,311
F111F	DJGH	E	DAF	1MJFB	25	6,234	173,223	5,384	137,695
F111A	DJAU	E	DAF	1MJAB	25	6,075	179,298	5,247	142,942
F004E	DQNZ	E	DAF	1MEGB	24	5,632	184,930	4,864	147,806
F111E	DJAU	E	DAF	1MJEB	25	4,915	189,845	4,245	152,051
H052H	DJHK	J	DAF	1FGHC	05	4,882	194,727	4,697	156,748
WF004C	DQRK	E	DAF	1MEFB	24	4,735	199,462	4,090	160,838
H052G	DJMY	J	DAF	1FGGC	05	4,727	204,189	4,548	165,386
H052H	DQLW	A	DAF	1FGHB	05	4,702	208,891	4,333	169,719
F004D	DQUP	J	DAF	1MEFC	24	4,574	213,465	3,961	173,680
F004E	DQUP	J	DAF	1MEGC	24	4,094	217,559	3,545	177,225
F111E	DCZQ	J	DAF	1MJEC	25	3,900	221,459	3,471	180,696
H052G	DJZL	E	DAF	1FGGB	05	3,693	225,152	3,544	184,240
F004C	DQWR	E	DAF	1MEDB	24	3,656	228,818	3,166	187,406
KC135A	DQMG	J	DAF	1FLCC	19	3,607	232,425	3,210	190,616
FB111A	DQBT	E	DAF	1MP B	17	3,569	235,994	3,082	193,698
F111E	DJJD	J	DAF	1MJEC	25	3,553	239,547	3,077	196,775
F004E	DQLM	K	DAF	1MEGC	24	3,329	242,876	2,882	199,657
H052H	DJRL	J	DAF	1FGHC	05	3,327	246,203	3,290	202,947
H052G	DFGD	J	DAF	1FGGC	05	3,227	249,430	3,105	206,052
WF004C	DQGP	J	DAF	1MEFC	24	3,073	252,503	2,661	208,713
A007D	DQMR	A	ANG	1NADA	29	2,980	255,483	2,980	211,693
KC135A	DGEA	A	SYS	1FLCA	19	2,961	258,444	1,233	212,926
E111D	DJFY	E	DAF	1MJDB	25	2,940	261,384	2,539	215,465
E100D	DJZQ	J	DAF	1MLDC	43	2,846	264,230	2,191	217,656
WC135B	DFGP	A	DAF	1FLEA	19	2,788	267,018	2,312	219,968
E100A	DJYY	J	DAF	1MKAC	31	2,729	269,747	2,232	222,200
C141A	DQUE	J	DAF	1MHC	20	2,683	272,430	2,323	224,523
A007D	DJTA	J	DAF	1MADC	29	2,615	275,045	2,198	226,721
E100A	DMZC	J	DAF	1MKAC	31	2,494	277,539	2,096	228,817
F004D	DQUN	K	DAF	1MEFC	24	2,427	279,966	2,101	230,918
KC135A	DQDT	J	DAF	1FLCC	19	2,422	282,388	2,097	233,015
T038A	DQUE	J	DAF	1XEAC	50	2,370	284,758	1,711	234,726
H052G	DQUX	A	DAF	1FGGA	05	2,367	287,125	2,181	236,907
F111A	DCZQ	J	DAF	1MJAC	25	2,363	289,488	2,103	239,010
F111A	DXFM	J	DAF	1MJAC	25	2,324	291,812	2,013	241,023
F004E	DQRG	K	DAF	1MEGC	24	2,315	294,127	2,005	243,028
E101D	DMZQ	J	DAF	1GHAC	44	2,259	296,386	1,739	244,767
F004C	DQUP	J	DAF	1MEDC	24	2,217	298,603	1,919	246,686
F111A	DJAC	J	DAF	1MJAC	25	2,153	300,756	1,865	248,551
A007D	DQBT	J	DAF	1MADC	29	2,055	302,811	1,681	250,232

DPEM REQUIREMENT-ALLOCATION SUMMARY BY HIGH BURNER WEAPON SYSTEM

FISCAL YEAR 76 ALC OC

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
F004E	DRRT	J	DAF	1REEC	24	1,996	304,807	1,728	251,960
RF004C	DHIN	K	DAF	1REEC	24	1,959	306,766	1,696	253,656
F111F	DCZD	J	DAF	1RJEC	25	1,877	308,643	1,670	255,326
R852H	DRRT	J	DAF	1EGHC	05	1,876	310,519	1,805	257,131
F111F	DYEM	J	DAF	1RJEC	25	1,847	312,366	1,599	258,730
F100D	DWZD	J	DAF	1MLDC	43	1,844	314,210	1,459	260,189
C141A	DRYC	J	DAF	1JHRC	20	1,825	316,035	1,581	261,770
F111F	DYEM	J	DAF	1RJEC	25	1,815	317,850	1,572	263,342
A007F	DJDN	J	EN	1MAEC	29	1,814	319,664	387	263,729
KC135A	DELM	A	DAF	1ELCA	19	1,803	321,467	1,496	265,225
EC135A	DWZD	J	DAF	1ELBC	19	1,792	323,259	1,552	266,777
EC135C	DJRK	J	DAF	1ELGC	19	1,782	325,041	1,543	268,320
C141A	DRRR	J	DAF	1JHRC	20	1,737	326,778	1,504	269,824
R852G	DRRP	F	DAF	1EGGA	05	1,725	328,503	1,655	271,479
F111F	DJAD	J	DAF	1RJEC	25	1,710	330,213	1,481	272,960
R852G	DERL	J	DAF	1EGGC	05	1,692	331,905	1,628	274,588
C141A	DRRT	J	DAF	1JHRC	20	1,690	333,595	1,463	276,051
F004D	DRRT	J	DAF	1REEC	24	1,678	335,265	1,446	277,497
C141A	DJRT	F	DAF	1JHRR	20	1,669	336,934	1,441	278,938
KC135A	DOWD	A	DAF	1ELCA	19	1,600	338,534	1,410	280,348
R852H	DELR	J	DAF	1EGHC	05	1,595	340,129	1,535	281,883
F004E	DHAY	E	DAF	1REER	24	1,570	341,699	1,356	283,239
F004E	DRRJ	J	DAF	1REEC	24	1,566	343,265	1,356	284,595
C141A	DRYH	J	DAF	1JHRC	20	1,518	344,783	1,314	285,909
F004C	DHIN	K	DAF	1REDC	24	1,481	346,264	1,282	287,191
F101A	DWZP	J	DAF	1GMAC	44	1,464	347,728	1,158	288,349
A007D	DRVE	J	DAF	1MADC	29	1,448	349,176	1,184	289,533
EC135C	DWZD	J	DAF	1ELGC	19	1,435	350,611	1,243	290,776
C135A	DOEE	A	SYS	1ELAA	19	1,400	352,011	583	291,359
C135A	DOAD	A	DAF	1ELEA	19	1,392	353,403	1,227	292,586
EC135A	DEJE	A	DAF	1ELBA	19	1,351	354,754	1,121	293,707
KC135A	DEAY	J	DAF	1ELCC	19	1,335	356,089	1,156	294,863
R852D	DWZG	E	DAF	1EGDR	05	1,322	357,411	1,269	296,132
KC135A	DYGD	A	DAF	1ELCA	19	1,313	358,724	1,157	297,289
C141A	DERL	J	DAF	1JHRC	20	1,253	359,977	1,085	298,374
C130E	DQUE	J	DAF	1LGHC	28	1,252	361,229	1,024	299,398
OTHER	DJEL	N	DAF	1RRRC	60	1,228	362,457	993	300,391
EC135C	DJRL	J	DAF	1ELGC	19	1,214	363,671	1,081	301,472
F004D	DQUT	J	DAF	1REEC	24	1,199	364,860	1,029	302,501
F185D	DWTY	J	DAF	1ASDC	33	1,184	366,044	968	303,469
R852D	DERD	J	DAF	1EGDC	05	1,168	367,212	1,124	304,593
EC135A	DWZP	J	DAF	1ELBC	19	1,161	368,373	1,033	305,626
RF004C	DRRT	J	DAF	1REEC	24	1,147	369,520	993	306,619
F100D	DWZH	E	DAF	1MLDR	43	1,144	370,664	878	307,497
F004E	DKJE	K	DAF	1REEC	24	1,142	371,806	989	308,486
C141A	DEAS	J	DAF	1JHRC	20	1,128	372,934	977	309,463
C130E	DEAY	J	DAF	1LGHC	28	1,128	374,062	923	310,386
R852H	DJAG	E	DAF	1EGDR	05	1,115	375,177	1,070	311,456

DPEM REQUIREMENT-ALLOCATION SUMMARY BY HIGH BURNER WEAPON SYSTEM

FISCAL YEAR 76 ALC WR

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
KC135A	J?XT	J	DAF	1FLCB	19	1,174	120,731	1,017	104,391
AC130A	J4MK	J	DAF	1LGDD	28	1,145	121,876	936	105,327
4444	JFUC	G	DAF	4YZ X	60	1,144	123,020	957	106,284
F106A	J4RN	J	DAF	1RKAD	31	1,125	124,145	920	107,204
AC130H	J4MK	J	DAF	1LGEB	28	1,123	125,268	919	108,123
C130E	JTJT	J	DAF	1LGNC	28	1,071	126,339	900	109,023
F106A	J4MZ	J	DAF	1RKAD	31	1,036	127,375	871	109,894
C130E	JFR?	J	DAF	1LGNC	28	1,036	128,410	847	110,741
R852H	J0RH	J	DAF	1FGHD	05	1,034	129,444	1,023	111,764
FB111	J0G0	J	DAF	1RPAD	17	1,024	130,468	887	112,651
R852H	JTFD	J	DAF	1FGHD	05	1,024	131,492	985	113,636
F111F	J0B0	J	DAF	1HJFD	25	1,015	132,507	879	114,515
4444	JXCH	G	DAF	4YZ X	60	1,010	133,517	846	115,361
CH053F	JS0?	J	DAF	1THFC	42	978	134,495	773	116,134
C141A	J1R0	J	DAF	1JHRA	20	952	135,447	825	116,959
C005A	J?XT	J	DAF	1LHAD	18	940	136,387	814	117,773
C130E	J4FC	A	DAF	1LGNA	28	940	137,327	736	118,509
C130E	JXCS	J	ANG	1LGNA	28	930	138,257	930	119,439
F111F	J0B0	J	DAF	1RJFD	25	920	139,177	797	120,236
C141A	J1C0	R	MAC	1JHRA	20	914	140,091	914	121,150
4444	JCAC	G	DAF	4YZ X	60	904	140,995	756	121,906
F004C	J5A?	J	DAF	1HFDE	24	904	141,899	805	122,711
F004E	J0RK	J	DAF	1HFCD	24	897	142,796	776	123,487
C130E	JZC0	A	DAF	1LGNA	28	893	143,689	699	124,186
OTHER	JKVC	M	DAF	1888A	60	893	144,582	722	124,908
F111F	J0BH	J	DAF	1RJFD	25	889	145,471	791	125,699
F111F	JTFD	J	DAF	1HJFD	25	880	146,351	762	126,461
CH053C	JFSL	J	DAF	1HZBC	26	871	147,222	732	127,193
OTHER	J0B?	K	DAF	1888A	60	861	148,083	622	127,815
C130A	JFRR	J	DAF	1LGAC	28	859	148,942	702	128,517
F111F	J0BH	J	DAF	1RJFD	25	854	149,796	760	129,277
F111F	JTFD	J	DAF	1RJFD	25	846	150,642	732	130,009
C130H	J0GJ	A	AFR	1LGHA	28	843	151,485	843	130,852
F004D	J0RH	J	DAF	1HFFD	24	826	152,311	735	131,587
C130E	JXFR	A	MAS	1LGNA	28	826	153,137	139	131,726
F004D	JTFD	J	DAF	1HFFD	24	818	153,955	708	132,434
F053H	J3XT	J	DAF	1SFRD	52	803	154,758	579	133,013
C130E	JFRS	J	DAF	1LGNC	28	798	155,556	670	133,683
C130H	JCGG	A	CG	1LGHA	28	796	156,352	135	133,818
R852D	J0RH	J	DAF	1FGDD	05	788	157,140	779	134,597
R852D	JTFD	J	DAF	1FGDD	05	780	157,920	750	135,347
F101B	J4MK	J	DAF	1GUAD	44	768	158,688	591	135,938
C141A	J1RN	J	DAF	1JHRC	20	760	159,448	658	136,596
F004D	J0RK	J	DAF	1HFFD	24	755	160,203	654	137,250
C123K	JFTH	A	AFR	1PEKA	32	746	160,949	746	137,996
R852D	J0AN	J	DAF	1FGDD	05	740	161,689	732	138,728
FF004C	J5A?	J	DAF	1HFFE	24	727	162,416	647	139,375
F004D	J5A?	J	DAF	1PFNE	24	727	163,143	647	140,022

DPEM REQUIREMENT-ALLOCATION SUMMARY BY HIGH BURNER WEAPON SYSTEM

FISCAL YEAR 76 ALC NR

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
RF004R	JSAZ	J	DAF	1HFCE	24	727	163,870	647	140,669
F004E	JSAZ	J	DAF	1HFCE	24	727	164,597	647	141,316
4444	JMLP	J	DAF	4YZ X	60	725	165,322	538	141,854
FC135A	JRXT	J	DAF	1FLRD	19	717	166,039	621	142,475
C005A	JPCZ	J	DAF	1LHAD	18	692	166,731	599	143,074
C130E	JJHR	J	DAF	1LGNC	28	684	167,415	559	143,633
F111A	JPHH	J	DAF	1HJAD	25	684	168,099	609	144,242
R0526	JPNL	J	DAF	1FGGD	05	682	168,781	674	144,916
F111A	JTED	J	DAF	1HJAD	25	677	169,458	586	145,502
C141A	JPRP	J	DAF	1JHRD	20	667	170,125	593	146,095
C130A	JFPS	J	DAF	1LGAC	28	663	170,788	558	146,653
FC135C	JRXT	J	DAF	1FLGD	19	661	171,449	572	147,225
F111D	JPHH	J	DAF	1HJDD	25	652	172,101	580	147,805
F111D	JTED	J	DAF	1HJDD	25	646	172,747	559	148,364
FR111	JPRH	J	DAF	1HRAD	17	625	173,372	557	148,921
4444	JPGA	G	DAF	4YZ X	60	624	173,996	522	149,443
A666	JZSR	J	DAF	6YG G	60	620	174,616	460	149,903
FR111	JTED	J	DAF	1HRAD	17	619	175,235	536	150,439
R0528	JPNL	J	DAF	1FGHD	05	617	175,852	594	151,033
C130E	JPPP	J	DAF	1LGND	28	613	176,465	515	151,548
A666	JSEE	J	DAF	6YG R	60	611	177,076	453	152,001
C130E	JGAC	J	AFR	1LGNA	28	609	177,685	609	152,610
AC130A	JNSG	A	AFR	1LGDA	28	603	178,288	603	153,213
C130A	JKJK	A	ANG	1LGAA	28	595	178,883	595	153,808
T038A	JKUL	N	DAF	1XFAA	54	590	179,473	478	154,286
KC135A	JPPP	J	DAF	1FLGD	19	583	180,056	519	154,805
T033A	JRXT	J	DAF	1LGAD	48	582	180,638	420	155,225
F004E	JNPP	J	DAF	1RFGE	24	579	181,217	501	155,726
R0526	JSAP	L	DAF	1FGGD	05	576	181,793	554	156,280
C130A	JPRH	A	ANG	1LGAA	28	565	182,358	565	156,845
4444	JPGN	G	DAF	4YZ X	60	562	182,920	471	157,316
C130E	JTNF	A	DAF	1LGNA	28	555	183,475	435	157,751
C140A	JGAC	J	MAC	1XDRC	27	549	184,024	549	158,300
C130E	JJRP	J	DAF	1LGNA	28	539	184,563	441	158,741
RF004C	JJHP	J	DAF	1RFED	24	538	185,101	479	159,220
C130H	JZLY	A	AFR	1LGHA	28	535	185,636	535	159,755
NR053R	JKRT	A	DAF	1RZAA	26	529	186,165	415	160,170
F105B	JPMK	J	DAF	1NFBD	33	524	186,689	428	160,598
F004D	JPMK	J	DAF	1RFED	24	508	187,197	440	161,038
4444	JFSP	G	ANG	4YZ X	60	506	187,703	506	161,544

APPENDIX F

REPORT 3

DPEM REQUIREMENT

ALLOCATION SUMMARY BY WEAPON SYSTEM

PRIORITY

DPEM REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY
FISCAL YEAR 81

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULAITVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
A2M034A	JNVS	C	DAF	242AB	01	5,539	5,539	5,214	5,214
E003A	DQVV	A	DAF	119AA	02	0	5,539	0	5,214
E003A	DQVO	B	DAF	119AC	02	0	5,539	0	5,214
E003A	DQVQ	B	DAF	119AA	02	0	5,539	0	5,214
E003A	DXAI	K	DAF	119AC	02	0	5,539	0	5,214
E003A	DXAQ	K	DAF	119AC	02	0	5,539	0	5,214
E003A	DQYC	L	DAF	119AC	02	0	5,539	0	5,214
E003A	DQII	E	DAF	119AB	02	0	5,539	0	5,214
E003A	DQVT	J	DAF	119AA	02	1	5,540	1	5,215
E003A	DQYV	S	DAF	119AC	02	0	5,540	0	5,215
B052G	DJFN	P	DAF	1PGGC	03	226	5,766	226	5,441
B052G	DDZS	P	DAF	1PGGC	03	1,112	6,878	1,112	6,553
B052G	DQYV	S	DAF	1PGGC	03	5	6,883	5	6,558
B052E	DQUA	S	DAF	1PGHC	03	3	6,886	3	6,561
B052G	DQMZ	S	DAF	1PGGA	03	24	6,910	24	6,585
B052M	DARJ	L	DAF	1PGHC	03	120	7,030	120	6,705
B052G	DCJU	L	DAF	1PGGC	03	72	7,102	72	6,777
B052G	DARG	L	DAF	1PGGC	03	29	7,131	29	6,806
B052G	DJGN	L	DAF	1PGGC	03	171	7,302	171	6,977
B052G	DJGA	L	DAF	1PGGC	03	195	7,497	195	7,172
B052G	DJGM	L	DAF	1PGGC	03	6	7,503	6	7,178
B052G	DARK	L	DAF	1PGGC	03	1	7,504	1	7,179
B052G	DGIA	L	DAF	1PGGC	03	189	7,693	189	7,368
B052G	DQXC	L	DAF	1PGGC	03	0	7,693	0	7,368
B052G	DQRF	L	DAF	1PGGE	03	61	7,754	61	7,429
B052G	DXBC	L	DAF	1PGGC	03	659	8,413	659	8,088
B052M	DFBC	L	DAF	1PGHC	03	657	9,070	657	8,745
B052M	DQRF	L	DAF	1PGHE	03	27	9,097	27	8,772
B052M	D2XE	L	DAF	1PGHC	03	8	9,105	8	8,780
B052M	DLEZ	L	DAF	1PGHC	03	6	9,111	6	8,786
B052D	DGIA	L	DAF	1PGDC	03	189	9,300	189	8,975
B052G	DODR	L	DAF	1PGGC	03	239	9,539	239	9,214
B052D	DODT	L	DAF	1PGDC	03	52	9,591	52	9,266
B052G	DGZH	L	DAF	1PGGC	03	83	9,674	83	9,349
B052M	DGIA	L	DAF	1PGHC	03	150	9,824	150	9,499
B052M	DJGD	L	DAF	1PGHC	03	16	9,840	16	9,515
B052G	DJFR	L	DAF	1PGGC	03	4	9,844	4	9,519
B052G	DQUD	J	DAF	1PGGE	03	177	10,021	177	9,696
B052D	DLHA	J	DAF	1PGDC	03	2	10,023	2	9,698
B052M	DJBO	J	DAF	1PGHC	03	588	10,611	588	10,286
B052M	DJBN	J	DAF	1PGHC	03	558	11,169	558	10,844
B052D	DKYH	J	DAF	1PGDC	03	15	11,184	15	10,859
B052G	DKVB	J	DAF	1PGGC	03	37	11,221	37	10,896
B052M	DKRE	J	DAF	1PGHF	03	164	11,385	164	11,060
B052M	DJRQ	J	DAF	1PGHC	03	40	11,425	40	11,100
B052D	DFDD	J	DAF	1PGDC	03	14,274	25,699	14,274	25,374
B052M	DLHQ	J	DAF	1PGHC	03	2,745	28,444	2,745	28,119
B052M	DJHK	J	DAF	1PGHC	03	17,385	45,829	17,385	45,504

DPEM REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY
FISCAL YEAR 81

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT.	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
B052G	DFAC	J	DAF	1FGGC	03	294	46,123	294	45,798
B052H	DHZQ	J	DAF	1FGHC	03	4,217	50,340	4,217	50,015
B052D	DKVG	J	DAF	1FGDC	03	4	50,344	4	50,019
B052H	DKVN	J	DAF	1FGHF	03	190	50,534	190	50,209
B052H	DHZS	J	DAF	1FGHC	03	917	51,451	917	51,126
B052D	DHZV	J	DAF	1FGDC	03	194	51,645	194	51,320
B052H	DJBM	J	DAF	1FGHC	03	1,526	53,171	1,526	52,846
B052G	DFAY	J	DAF	1FGGC	03	3,997	57,168	3,997	56,843
B052G	DFAS	J	DAF	1FGGC	03	1,594	58,762	1,594	58,437
B052G	DODP	F	DAF	1FGGA	03	1,942	60,704	1,942	60,379
B052H	DBUE	J	DAF	1FGHC	03	1,607	62,311	1,607	61,986
B052D	DBYG	J	DAF	1FGDC	03	714	63,025	714	62,700
B052H	DBBT	J	DAF	1FGHC	03	4,647	67,672	4,647	67,347
B052D	DBWB	J	DAF	1FGDC	03	2,048	69,720	2,048	69,395
B052G	DUCR	J	DAF	1FGGB	03	162	69,882	162	69,557
B052G	DJTB	J	DAF	1FGGC	03	60	69,942	60	69,617
B052G	DIQA	F	DAF	1FGGB	03	18	69,960	18	69,635
B052G	DQSV	F	DAF	1FGGB	03	349	70,309	349	69,984
B052G	DGZE	F	DAF	1FGGB	03	172	70,481	172	70,156
B052H	DIQG	F	DAF	1FGHB	03	6	70,487	6	70,162
B052H	DUPS	J	DAF	1FGHC	03	58	70,545	58	70,220
B052H	DUBS	J	DAF	1FGHC	03	20	70,565	20	70,240
B052H	DODY	J	DAF	1FGHC	03	230	70,795	230	70,470
B052H	DLKH	J	DAF	1FGHC	03	74	70,869	74	70,544
B052G	DQUG	J	DAF	1FGGA	03	3	70,872	3	70,547
B052D	LONA	J	DAF	1FGDC	03	3	70,875	3	70,550
B052D	DULA	J	DAF	1FGDC	03	3	70,878	3	70,553
B052G	DULP	J	DAF	1FGGE	03	14	70,892	14	70,567
B052G	DUCU	J	DAF	1FGGC	03	67	70,959	67	70,634
B052D	DUIS	J	DAF	1FGDC	03	17	70,976	17	70,651
B052H	DULN	J	DAF	1FGHB	03	52	71,028	52	70,703
B052H	DLNZ	J	DAF	1FGHC	03	25	71,053	25	70,728
B052H	DUMK	J	DAF	1FGHC	03	2	71,055	2	70,730
B052G	DURD	J	DAF	1FGGC	03	25	71,080	25	70,755
B052G	DUPG	J	DAF	1FGGE	03	30	71,110	30	70,785
B052H	DUMR	F	DAF	1FGHB	03	4	71,114	4	70,789
B052G	DUMN	F	DAF	1FGGB	03	7	71,121	7	70,796
B052D	DHZU	J	DAF	1FGDC	03	13	71,134	13	70,809
B052D	DKRA	J	DAF	1FGDC	03	235	71,369	235	71,044
B052G	DKTH	J	DAF	1FGGF	03	506	71,875	506	71,550
B052H	DLGO	K	DAF	1FGHC	03	326	72,201	326	71,876
B052D	DUUI	K	DAF	1FGDC	03	61	72,262	61	71,937
B052G	DUMM	K	DAF	1FGGC	03	959	73,221	959	72,896
B052G	DHDD	K	DAF	1FGGC	03	197	73,418	197	73,093
B052D	DRAL	A	DAF	1FGDA	03	1,359	74,777	1,359	74,452
B052D	DXXY	A	DAF	1FGDA	03	1,362	76,139	1,362	75,814
B052H	DCXU	A	DAF	1FGHA	03	11,911	88,050	11,911	87,725
B052G	DCXG	A	DAF	1FGGA	03	21,315	109,365	21,315	109,040

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DPEM REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY
FISCAL YEAR 81

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
A007D	JXFV	J	DAF	1MADE	60	8	1,453,365	7	1,350,529
4444	JWDI	J	DAF	4YZ X	60	15	1,453,380	12	1,350,541
4444	JBCZ	J	DAF	4YZ X	60	78	1,453,458	67	1,350,608
4444	JDIF	J	DAF	4YZ X	60	30	1,453,488	25	1,350,634
4444	JMIG	J	DAF	4YZ X	60	3	1,453,491	2	1,350,636
6565	JFIY	J	DAF	6YG B	60	3	1,453,494	2	1,350,638
6565	JFOG	J	DAF	6YG B	60	1	1,453,495	1	1,350,639
4444	JMIF	J	DAF	4YZ X	60	6	1,453,501	5	1,350,645
6565	JDXL	J	DAF	6YG B	60	12	1,453,513	10	1,350,655
6565	JFIS	J	DAF	6YG B	60	83	1,453,596	70	1,350,725
6565	JMIE	J	DAF	6YG A	60	423	1,454,019	359	1,351,084
6565	JGYK	J	DAF	6YG B	60	1	1,454,020	1	1,351,085
A037A	JTHN	J	DAF	1GPBE	60	1	1,454,021	1	1,351,086
A037A	JHNZ	J	DAF	1GPBD	60	0	1,454,021	0	1,351,086
6565	JWJG	J	DAF	6YG B	60	11	1,454,032	9	1,351,095
HU016B	JFPS	J	DAF	1GPBC	60	0	1,454,032	0	1,351,095
6565	JKWX	J	DAF	6YG G	60	25	1,454,057	22	1,351,117
F065F	JXFV	J	DAF	1MJBE	60	0	1,454,057	0	1,351,117
VC137B	JHBR	J	DAF	1KCBD	60	0	1,454,057	0	1,351,117
4444	JMIP	J	DAF	4YZ X	60	521	1,454,578	443	1,351,560
C007A	JFPS	J	DAF	1BXAC	60	0	1,454,578	0	1,351,560
4444	JMIO	J	DAF	4YZ X	60	253	1,454,831	215	1,351,775
6565	JXPZ	J	DAF	6YG B	60	14	1,454,845	12	1,351,787
6565	JAFG	J	DAF	6YG B	60	19	1,454,864	16	1,351,803
6565	JAFE	J	DAF	6YG B	60	401	1,455,265	341	1,352,144
6565	JLHZ	J	DAF	6YG G	60	661	1,455,926	562	1,352,706
6565	JMKS	J	DAF	6YG B	60	1	1,455,927	1	1,352,707
6565	JXFR	J	DAF	6YG B	60	6	1,455,933	6	1,352,713
6565	JZKB	J	DAF	6YG G	60	264	1,456,197	224	1,352,937
ZX	JBJZ	J	DAF	5YX A	60	3,146	1,459,343	2,575	1,355,512
COMMON	JXKV	J	DAF	1999A	60	12	1,459,355	10	1,355,522
COMMON	JXKU	J	DAF	1999D	60	28	1,459,383	23	1,355,545
COMMON	JCDW	J	DAF	1999C	60	26	1,459,409	21	1,355,566
COMMON	JJXU	J	DAF	1999D	60	12	1,459,421	10	1,355,576
COMMON	JFMZ	J	DAF	1999B	60	11	1,459,432	9	1,355,585
C007A	JBTP	J	DAF	1BXAC	60	0	1,459,432	0	1,355,585
C007A	JCPR	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JGDX	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JDDQ	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JCPT	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JHXT	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JJNV	J	DAF	1BXAC	60	0	1,459,432	0	1,355,585
C007A	JJCB	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
C007A	JNOU	J	DAF	1BXAC	60	0	1,459,432	0	1,355,585
C007A	JHOT	J	DAF	1BXAC	60	0	1,459,432	0	1,355,585
C007A	JWHK	J	DAF	1BXAD	60	0	1,459,432	0	1,355,585
A0023A	JCPR	J	DAF	12090	60	3	1,459,435	2	1,355,587
COMMON	JJAU	J	DAF	1999E	60	17	1,459,452	14	1,355,701

OPEN REQUIREMENT-ALLOCATION SUMMARY BY WEAPON SYSTEM PRIORITY
FISCAL YEAR 81

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
UD10B	JCPR	J	DAF	1BD5D	60	0	1,459,452	0	1,355,701
UD10B	JDCU	J	DAF	1BD8D	60	0	1,459,452	0	1,355,701
AWD24A	JDCZ	J	DAF	121BD	60	9	1,459,461	8	1,355,709
ED04A	JCPR	J	DAF	133AD	60	0	1,459,461	0	1,355,709
UD17B	JBXT	J	DAF	1BRBD	60	0	1,459,461	0	1,355,709
UD17A	JCPT	J	DAF	1BPAD	60	0	1,459,461	0	1,355,709
ED04A	JDCU	J	DAF	133AD	60	0	1,459,461	0	1,355,709
ED04A	JDD2	J	DAF	133AD	60	0	1,459,461	0	1,355,709
CD09A	JCPR	J	DAF	1CQAD	60	0	1,459,461	0	1,355,709
VD131H	JWBN	J	DAF	1BCHD	60	17	1,459,478	14	1,355,723
VD131H	JWHK	J	DAF	1BCHD	60	9	1,459,487	8	1,355,731
ED04A	JWHK	J	DAF	133AD	60	0	1,459,487	0	1,355,731
ED04A	JWDC	J	DAF	133AD	60	0	1,459,487	0	1,355,731
VD029C	JBXT	J	DAF	1BCPD	60	0	1,459,487	0	1,355,731
VD029C	JHNJ	J	DAF	1BCPD	60	0	1,459,487	0	1,355,731
C131B	JJCB	J	DAF	1BCBD	60	1	1,459,488	1	1,355,732
CDM10N	JNSM	J	DAF	1999F	60	23	1,459,511	18	1,355,750
CDM10N	JNUU	J	DAF	1993D	60	2	1,459,513	2	1,355,752
CDM10N	JTGB	J	DAF	1994D	60	57	1,459,570	46	1,355,798
CDM10N	JSXL	J	DAF	1999D	60	143	1,459,713	115	1,355,913
CDM10N	JTQL	J	DAF	1994D	60	8	1,459,721	6	1,355,919
CDM10N	JXKO	J	DAF	1994D	60	15	1,459,736	12	1,355,931
CDM10N	JHNS	J	DAF	1999D	60	120	1,459,856	96	1,356,027
CDM10N	JKBL	J	DAF	1993C	60	60	1,459,916	48	1,356,075
VD131H	JDCZ	J	DAF	1BCHD	60	16	1,459,932	13	1,356,088
C131B	JCPT	J	DAF	1BCBD	60	1	1,459,933	1	1,356,089
CDM10N	JTQM	J	DAF	1999D	60	152	1,460,085	122	1,356,211

APPENDIX G

REPORT 4

DPEM REQUIREMENT

ALLOCATION SUMMARY BY MANAGER

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MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
OTHER	RFAE	M	DAF	1888C	60	69	69	56	56
OTHER	RFAC	M	DN	1888C	60	23	92	5	61
OTHER	RFRN	N	SYT	1888C	60	3	95	0	61
OTHER	RSEE	S	DN	1888C	60	94	189	20	81
OTHER	RSER	S	DN	1888C	60	435	624	93	174
OTHER	RSER	S	DN	1888C	60	11	635	2	176
OTHER	RSDD	S	DN	1888C	60	14	649	3	179
OTHER	RSER	S	DN	1888C	60	17	666	4	183

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MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
A010A	DBTY	J	DAF	1138C	38	0	0	0	0
A010A	DBUE	J	DAF	1138C	38	2	2	2	2
A037A	DFAT	J	DAF	13P8C	46	0	2	0	2
A037A	DFBI	J	DAF	13P8C	46	2	4	2	4
A037A	DQUS	J	DAF	13P8C	46	0	4	0	4
A037A	DBRO	J	DAF	13P8C	46	0	4	0	4
A037A	DBVV	J	DAF	13P8C	46	7	11	6	10
A037A	DBTY	J	DAF	13P8C	46	18	29	14	24
A037A	DBYH	J	DAF	13P8C	46	1	30	1	25
A037A	DQUR	J	DAF	13P8C	46	0	30	0	25
A037A	DFAZ	J	DAF	13P8C	46	13	43	10	35
A037A	DLHA	J	DAF	13P8C	46	1	44	1	35
A037A	DKMP	J	DAF	13P8C	46	1	45	1	37
A037A	DKTN	J	DAF	13P8P	46	1	46	1	38
A037A	DKTH	J	DAF	13P8P	46	1	47	1	39
A037A	DFBL	J	DAF	13P8C	46	5	53	5	44
A037A	DKUE	J	DAF	13P8P	46	0	53	0	44
A037A	DFBH	J	DAF	13P8C	46	0	53	0	44
A037A	DLBQ	J	DAF	13P8C	46	0	53	0	44
A037A	DKVN	J	DAF	13P8P	46	4	57	3	47
A037A	DBYG	J	DAF	13P8C	46	12	69	10	57
A037A	DFAY	J	DAF	13P8C	46	68	137	52	109
A037A	DFAW	J	DAF	13P8C	46	0	137	0	109
A037A	DFAV	J	DAF	13P8C	46	0	137	0	109
A037A	DBVU	J	DAF	13P8C	46	12	149	10	119
A037A	DBWB	J	DAF	13P8C	46	14	163	11	130
A037A	DBVZ	J	DAF	13P8C	46	0	163	0	130
A037A	DBRT	J	DAF	13P8C	46	2	165	2	132
A037A	DBUE	J	DAF	13P8C	46	77	242	60	192
A037A	DKUS	J	DAF	13P8P	46	0	242	0	192
A037A	DFAS	J	DAF	13P8C	46	0	242	0	192
A037A	DQNK	K	DAF	13P8C	46	0	242	0	192
A037A	DQNJ	K	DAF	13P8C	46	0	242	0	192
A037A	DQUI	K	DAF	13P8C	46	0	242	0	192
A037A	DQSZ	K	DAF	13P8C	46	0	242	0	192
A037A	DLGO	K	DAF	13P8C	46	0	242	0	192
A007D	DODK	A	DAF	1MADA	29	252	494	197	389
A007D	DSMX	A	DAF	1MADA	29	481	975	377	766
A007D	DLDL	A	DAF	1MADA	29	60	1,035	47	813
A007D	DQEV	A	DAF	1MADA	29	45,018	46,053	37,465	38,278
A007D	DQAM	A	ANG	1MADA	29	11	46,064	11	38,289
A007D	DQMB	A	ANG	1MADA	29	2,980	49,044	2,980	41,269
A007D	DODJ	A	SYS	1MADA	29	43	49,087	17	41,286
A007D	DLIV	B	SYS	1MADA	29	3	49,090	1	41,287
A007D	DLIW	B	SYS	1MADA	29	1	49,091	0	41,287
A007D	DQLG	B	ANG	1MADA	29	16	49,107	16	41,303
A007D	DQYO	B	DAF	1MADC	29	1	49,108	1	41,304
A007D	DQMC	B	DAF	1MADA	29	66	49,174	52	41,356

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
A007D	DKNW	B	DAF	1MADA	29	11	49,155	8	41,364
A007D	DDWD	E	DAF	1MADB	29	21,652	70,837	17,660	59,024
A007E	DHRG	E	DN	1MAEB	29	8,623	79,460	1,851	60,875
A007E	DQMW	F	DN	1MAEB	29	26	79,486	6	60,881
A007E	DQVN	F	DN	1MAEB	29	3	79,489	1	60,882
A007D	DLLY	F	DN	1MADB	29	8	79,497	2	60,884
A007D	DJXB	F	DAF	1MADC	29	2	79,499	2	60,886
A007D	DGZE	F	DAF	1MADB	29	163	79,662	133	61,019
A007D	DQMV	F	DAF	1MADB	29	31	79,693	25	61,044
A007D	DLMO	F	DAF	1MADB	29	795	80,488	649	61,693
A007D	DJGE	F	DAF	1MADB	29	668	81,156	545	62,238
A007D	DQVL	F	DAF	1MADB	29	14	81,170	12	62,250
A007D	DQVK	F	DAF	1MADB	29	28	81,198	23	62,273
A007D	DQUS	J	DAF	1MADC	29	0	81,198	0	62,273
A007D	DFAZ	J	DAF	1MADC	29	20	81,218	17	62,290
A007D	DFBD	J	DAF	1MADC	29	0	81,218	0	62,290
A007D	DBYH	J	DAF	1MADC	29	2	81,220	2	62,292
A007D	DFAT	J	DAF	1MADC	29	148	81,368	125	62,417
A007D	DQUR	J	DAF	1MADC	29	0	81,368	0	62,417
A007D	DBRO	J	DAF	1MADC	29	577	81,945	485	62,902
A007D	DBVV	J	DAF	1MADC	29	49	81,994	42	62,944
A007D	DBTY	J	DAF	1MADC	29	57	82,051	47	62,991
A007D	DFBI	J	DAF	1MADC	29	4	82,055	3	62,994
A007D	DHVB	J	DAF	1MADC	29	445	82,500	374	63,368
A007D	DJTA	J	DAF	1MADC	29	2,615	85,115	2,198	65,566
A007E	DQQU	J	DN	1MAEC	29	4	85,119	1	65,567
A007E	DQQO	J	DN	1MAEC	29	564	85,683	120	65,687
A007E	DQQP	J	DN	1MAEC	29	35	85,718	8	65,695
A007E	DQQQ	J	DN	1MAEC	29	7	85,725	2	65,697
A007E	DQQT	J	DN	1MAEC	29	189	85,914	40	65,737
A007E	DQQS	J	DN	1MAEC	29	74	85,988	16	65,753
A007E	DQDJ	J	DN	1MAEC	29	13	86,001	3	65,756
A007E	DQQN	J	DN	1MAEC	29	1,814	87,815	387	66,143
A007D	DFBC	J	DAF	1MADC	29	1	87,816	1	66,144
A007D	DLKC	J	DAF	1MADC	29	38	87,854	31	66,175
A007D	DKUF	J	DAF	1MADC	29	0	87,854	0	66,175
A007D	DFBH	J	DAF	1MADC	29	1	87,855	1	66,176
A007D	DFBL	J	DAF	1MADC	29	17	87,872	13	66,189
A007D	DQUZ	J	DAF	1MADC	29	4	87,876	3	66,192
A007D	DQCT	J	DAF	1MADC	29	1	87,877	1	66,193
A007D	DQUU	J	DAF	1MADC	29	16	87,893	13	66,206
A007D	DBYG	J	DAF	1MADC	29	21	87,914	17	66,223
A007D	DYVZ	J	DAF	1MADC	29	136	88,050	112	66,335
A007D	DQCH	J	DAF	1MADC	29	640	88,690	523	66,858
A007D	DQCO	J	DAF	1MADC	29	24	88,714	19	66,877
A007D	DQCN	J	DAF	1MADC	29	358	89,072	292	67,169
A007D	DQCP	J	DAF	1MADC	29	25	89,097	20	67,189
A007D	DFAS	J	DAF	1MADC	29	288	89,386	171	67,360

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE RLQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
OTHER	DDZO	M	DAF	1888B	60	1	570,783	1	478,783
OTHER	DJYZ	M	DAF	1888A	60	83	570,886	67	478,850
OTHER	DDZA	M	DAF	1888A	60	114	570,980	93	478,943
OTHER	DDZJ	M	DAF	1888C	60	4	570,984	3	478,946
OTHER	DDZL	M	ANG	1888C	60	12	570,996	12	478,958
OTHER	DDZK	M	ANG	1888C	60	98	571,094	98	479,056
OTHER	DKNV	M	ANG	1888B	60	21	571,115	21	479,077
OTHER	DJFI	N	FAA	1888A	60	18	571,133	3	479,080
OTHER	DJFK	N	FAA	1888C	60	14	571,147	2	479,082
OTHER	DJFM	N	DAF	1888C	60	963	572,110	779	479,861
OTHER	DQIA	N	DAF	1888A	60	85	572,195	69	479,930
OTHER	DFMH	N	DAF	1888F	60	10	572,205	9	479,939
OTHER	DDZU	N	DAF	1888B	60	16	572,221	13	479,952
OTHER	DJFL	N	DAF	1888C	60	1,228	573,449	993	480,945
OTHER	DJFH	N	DAF	1888A	60	63	573,512	51	480,996
OTHER	DFMK	N	DAF	1888C	60	20	573,532	16	481,012
OTHER	DDZQ	N	DAF	1888B	60	23	573,555	18	481,030
OTHER	DQMY	S	DAF	1888A	60	921	574,476	745	481,775
OTHER	DQNA	S	DAF	1888A	60	334	574,810	271	482,046
DV010A	DQUS	J	DAF	1BVAC	23	0	574,810	0	482,046
DV010A	DFBI	J	DAF	1BVAC	23	1	574,811	1	482,047
DV010A	DBTY	J	DAF	1BVAC	23	17	574,828	15	482,062
DV010A	DBVV	J	DAF	1BVAC	23	2	574,830	2	482,064
DV010A	DBYH	J	DAF	1BVAC	23	1	574,831	1	482,065
DV010A	DQUR	J	DAF	1BVAC	23	0	574,831	0	482,065
DV010A	DBRO	J	DAF	1BVAC	23	1	574,832	1	482,066
DV010A	DFAZ	J	DAF	1BVAC	23	1	574,833	1	482,067
DV010A	DBVU	J	DAF	1BVAC	23	3	574,836	3	482,070
DV010A	DBRI	J	DAF	1BVAC	23	5	574,841	5	482,075
DV010A	DFAY	J	DAF	1BVAC	23	5	574,846	5	482,080
DV010A	DBWB	J	DAF	1BVAC	23	0	574,846	0	482,080
DV010A	DBYG	J	DAF	1BVAC	23	4	574,850	4	482,084
DV010A	DLBQ	J	DAF	1BVAC	23	5	574,855	5	482,089
DV010A	DBUE	J	DAF	1BVAC	23	0	574,855	0	482,089
DV010A	DBVZ	J	DAF	1BVAC	23	73	574,928	63	482,152
DV010A	DFBL	J	DAF	1BVAC	23	0	574,928	0	482,152
DV010A	DQSZ	K	DAF	1BVAC	23	2	574,930	2	482,154
DV010A	DQNJ	K	DAF	1BVAC	23	0	574,930	0	482,154
DV010A	DQNK	K	DAF	1BVAC	23	0	574,930	0	482,154
DV010A	DQUI	K	DAF	1BVAC	23	0	574,930	0	482,154
DV010A	DLGO	K	DAF	1BVAC	23	0	574,930	0	482,154
T023D	DQBS	J	DAF	1MFDC	60	0	574,930	0	482,154
T023A	DFAY	J	DAF	1MFAC	60	1	574,931	1	482,155
T023D	DLIK	J	DAF	1MFDC	60	0	574,931	0	482,155
T023A	DKUE	J	DAF	1MFAF	60	0	574,931	0	482,155
T023A	DFAC	J	DAF	1MFAC	60	1	574,932	1	482,156
T023A	DKTH	J	DAF	1MFAF	60	0	574,932	0	482,156

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DPEM REQUIREMENT-ALLOCATION SUMMARY BY MANAGER
FISCAL YEAR 76 ALC OC

MODEL DESIGN SERIES	PSEUDO CODE	REPAIR GROUP CAT	CUSTOMER CODE	WORKLOAD BREAK-DOWN STRUCTURE	LEVEL OF PRIORITY	REQUIREMENT DOLLARS($000)	CUMMULATIVE REQMT DOLLARS ($000)	ALLOCATED DOLLARS ($000)	CUMMULATIVE ALLO DOLLARS ($000)
T023A	DKUS	J	DAF	1MFAF	60	0	574,932	0	482,156
T023D	DBVU	J	DAF	1MFDC	60	12	574,944	9	482,165
T023D	DFAY	J	DAF	1MFDC	60	5	574,949	4	482,169
T023D	DBVZ	J	DAF	1MFDC	60	0	574,949	0	482,169
T023D	DKUE	J	DAF	1MFDF	60	0	574,949	0	482,169
T023D	DKUE	J	DAF	1MFDF	60	0	574,949	0	482,169
T023D	DBWB	J	DAF	1MFDC	60	14	574,963	11	482,180
T023D	DKTH	J	DAF	1MFDF	60	1	574,964	1	482,181
T023A	DQRD	J	DAF	1MFAC	60	0	574,964	0	482,181
T023A	DBRT	J	DAF	1MFAC	60	2	574,966	2	482,183
T023A	DKVH	J	DAF	1MFAD	60	1	574,967	1	482,184
T023D	DBWE	J	DAF	1MFDC	60	0	574,967	0	482,184
T023D	DKTH	J	DAF	1MFDF	60	1	574,968	1	482,185
T023A	DKTH	J	DAF	1MFAF	60	0	574,968	0	482,185
T023A	DBVU	J	DAF	1MFAC	60	2	574,970	2	482,187
T023A	DBVZ	J	DAF	1MFAC	60	0	574,970	0	482,187
T023A	DBWB	J	DAF	1MFAC	60	2	574,972	2	482,189
T023A	DBUE	J	DAF	1MFAC	60	19	574,990	13	482,202
T023A	DLIK	J	DAF	1MFAC	60	0	574,990	0	482,202
T023A	DQBS	J	DAF	1MFAC	60	0	574,990	0	482,202
T023D	DBRT	J	DAF	1MFDC	60	4	574,994	3	482,205
T023D	DBVV	J	DAF	1MFDC	60	7	575,001	5	482,210
T023A	DFBD	J	DAF	1MFAC	60	1	575,002	1	482,211
T023D	DBRO	J	DAF	1MFDC	60	1	575,003	1	482,212

APPENDIX H

REPORT 5

DPEM REQUIREMENT

SUMMARY BY CUSTOMER, ORGANIC/CONTRACT,

DRAW CODE, AND REPAIR GROUP CATEGORY

OPR XRSXX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER AFR

CONTROL NUMBER
PAGE 1

	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT
REQUIREMENT												
A	2552	0	0	2552	5441	0	0	5441	7993	0	0	7993
B	389	0	0	389	0	0	0	0	389	0	0	389
TOT	2941	0	0	2941	5441	0	0	5441	8382	0	0	8382
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	458	0	458	0	458	0	458
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	458	0	458	0	458	0	458
G	0	0	0	0	189	0	0	189	189	0	0	189
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	189	0	0	189	189	0	0	189
J	0	0	0	0	4996	0	0	4996	4996	0	0	4996
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	4996	0	0	4996	4996	0	0	4996
M	143	0	0	143	0	0	0	0	143	0	0	143
N	83	0	0	83	0	0	0	0	83	0	0	83
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	226	0	0	226	0	0	0	0	226	0	0	226
GRN TOT	3167	0	0	3167	10626	458	0	11084	13793	458	0	14251
ALLOCATIONS												
A	2552	0	0	2552	5441	0	0	5441	7993	0	0	7993
B	389	0	0	389	0	0	0	0	389	0	0	389
TOT	2941	0	0	2941	5441	0	0	5441	8382	0	0	8382
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	457 - 1	0	457	0	457	0	457
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	457	0	457	0	457	0	457
G	0	0	0	0	189	0	0	189	189	0	0	189
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	189	0	0	189	189	0	0	189
J	0	0	0	0	4996	0	0	4996	4996	0	0	4996
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	4996	0	0	4996	4996	0	0	4996
M	143	0	0	143	0	0	0	0	143	0	0	143
N	83	0	0	83	0	0	0	0	83	0	0	83
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	226	0	0	226	0	0	0	0	226	0	0	226
GRN TOT	3167	0	0	3167	10626	457	0	11083	13793	457	0	14250

II-1

OPR XRSXX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER ANG

CONTROL NUMBER
PAGE 2

	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT
REQUIREMENT												
A	11894	0	0	11894	10742	0	0	10742	22636	0	0	22636
B	2679	0	0	2679	0	0	0	0	2679	0	0	2679
TOT	14573	0	0	14573	10742	0	0	10742	25315	0	0	25315
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	8361	0	8361	0	8361	0	8361
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	8361	0	8361	0	8361	0	8361
G	599	0	0	599	625	0	0	625	1224	0	0	1224
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	599	0	0	599	625	0	0	625	1224	0	0	1224
J	0	0	0	0	3388	0	0	3388	3388	0	0	3388
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	3388	0	0	3388	3388	0	0	3388
M	1143	0	0	1143	0	0	0	0	1143	0	0	1143
N	106	0	0	106	0	0	0	0	106	0	0	106
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	1249	0	0	1249	0	0	0	0	1249	0	0	1249
GRN TOT	16421	0	0	16421	14755	8361	0	23116	31176	8361	0	39537
ALLOCATIONS												
A	11894	0	0	11894	10742	0	0	10742	22636	0	0	22636
B	2679	0	0	2679	0	0	0	0	2679	0	0	2679
TOT	14573	0	0	14573	10742	0	0	10742	25315	0	0	25315
C	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	8361	0	8361	0	8361	0	8361
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	8361	0	8361	0	8361	0	8361
G	599	0	0	599	625	0	0	625	1224	0	0	1224
H	0	0	0	0	0	0	0	0	0	0	0	0
TOT	599	0	0	599	625	0	0	625	1224	0	0	1224
J	0	0	0	0	3388	0	0	3388	3388	0	0	3388
K	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	3388	0	0	3388	3388	0	0	3388
M	1143	0	0	1143	0	0	0	0	1143	0	0	1143
N	106	0	0	106	0	0	0	0	106	0	0	106
P	0	0	0	0	0	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0	0
TOT	1249	0	0	1249	0	0	0	0	1249	0	0	1249
GRN TOT	16421	0	0	16421	14755	8361	0	23116	31176	8361	0	39537

OPR XRSXX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER OTH

CONTROL NUMBER

	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT
REQUIREMENT												
A	947	0	0	947	2104	0	0	2104	3051	0	0	3051
B	449	0	0	449	0	0	0	0	449	0	0	449
TOT	1396	0	0	1396	2104	0	0	2104	3500	0	0	3500
C	109	0	0	109	0	0	0	0	109	0	0	109
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	109	0	0	109	0	0	0	0	109	0	0	109
E	0	0	0	0	0	321	0	321	0	321	0	321
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	321	0	321	0	321	0	321
G	0	0	0	0	31	0	0	31	31	0	0	31
H	2	0	0	2	0	0	0	0	2	0	0	2
TOT	2	0	0	2	31	0	0	31	33	0	0	33
J	0	0	0	0	4742	0	0	4742	4742	0	0	4742
K	1982	0	0	1982	214	0	0	214	2196	0	0	2196
L	452	0	0	452	0	0	0	0	452	0	0	452
TOT	2434	0	0	2434	4956	0	0	4956	7390	0	0	7390
M	478	54	0	532	0	0	0	0	478	54	0	532
N	984	7	0	991	0	0	0	0	984	7	0	991
P	17433	0	0	17433	0	0	0	0	17433	0	0	17433
R	2152	0	0	2152	0	0	0	0	2152	0	0	2152
S	125	0	0	125	0	0	0	0	125	0	0	125
TOT	21172	61	0	21233	0	0	0	0	21172	51	0	21233
GRN TOT	25113	61	0	25174	7091	321	0	7412	32204	382	0	32586
ALLOCATIONS												
A	947	0	0	947	2104	0	0	2104	3051	0	0	3051
B	449	0	0	449	0	0	0	0	449	0	0	449
TOT	1396	0	0	1396	2104	0	0	2104	3500	0	0	3500
C	(108) -1	0	0	108	0	0	0	0	108	0	0	108
D	0	0	0	0	0	0	0	0	0	0	0	0
TOT	108	0	0	108	0	0	0	0	108	0	0	108
E	0	0	0	0	0	(319) -2	0	319	0	319	0	319
F	0	0	0	0	0	0	0	0	0	0	0	0
TOT	0	0	0	0	0	319	0	319	0	319	0	319
G	0	0	0	0	31	0	0	31	31	0	0	31
H	2	0	0	2	0	0	0	0	2	0	0	2
TOT	2	0	0	2	31	0	0	31	33	0	0	33
J	0	0	0	0	4742	0	0	4742	4742	0	0	4742
K	1982	0	0	1982	214	0	0	214	2196	0	0	2196
L	451	0	0	(450) -1	0	0	0	0	451	0	0	451
TOT	2433	0	0	2433	4956	0	0	4956	7389	0	0	7389
M	478	54	0	532	0	0	0	0	478	54	0	532
N	984	7	0	991	0	0	0	0	984	7	0	991
P	17433	0	0	17433	0	0	0	0	17433	0	0	17433
R	2152	0	0	2152	0	0	0	0	2152	0	0	2152
S	125	0	0	125	0	0	0	0	125	0	0	125
TOT	21172	61	0	21233	0	0	0	0	21172	51	0	21233
GRN TOT	25111	61	0	25172	7091	319	0	7410	32202	380	0	32582

OPR XRSXX
DATE 11/12/76

DOLLAR TOTAL BY CUSTOMER
FISCAL YEAR 77

CUSTOMER GRN

CONTROL NUMBER
PAGE 10

	ORGANIC				CONTRACT				TOTAL			
	D	R	A	TOT	D	R	A	TOT	D	R	A	TOT
REQUIREMENT												
A	68093	0	172472	240565	57672	0	61788	119460	125765	0	234260	360025
B	26871	0	11938	38809	0	0	975	975	26871	0	12913	39784
TOT	94964	0	184410	279374	57672	0	62763	120435	152636	0	247173	399809
C	109	0	757	866	0	0	5133	5133	109	0	5890	5999
D	1161	0	3077	4238	0	0	0	0	1161	0	3077	4238
TOT	1270	0	3834	5104	0	0	5133	5133	1270	0	8967	10237
E	173	0	100370	100543	5386	9281	46673	61340	5559	9281	147043	161883
F	36	0	7168	7204	0	0	0	0	36	0	7168	7204
TOT	209	0	107538	107747	5386	9281	46673	61340	5595	9281	154211	169087
G	2595	0	17400	20095	1379	0	28209	29588	4074	0	45609	49683
H	8	0	2022	2030	0	0	0	0	8	0	2022	2030
TOT	2703	0	19422	22125	1379	0	28209	29588	4082	0	47631	51713
J	2587	0	583038	585625	17724	0	322783	340507	20311	0	905821	926132
K	5290	0	55680	60970	214	0	8744	8958	5504	0	64424	69928
L	1247	0	36275	37522	0	0	105	105	1247	0	36380	37627
TOT	9124	0	674993	684117	17938	0	331632	349570	27062	0	1006625	1033687
M	2210	54	5962	8226	0	0	0	0	2210	54	5962	8226
N	1190	7	17894	19091	0	0	0	0	1190	7	17894	19091
P	17433	0	2753	20186	0	0	0	0	17433	0	2753	20186
R	2800	0	162	2962	0	0	0	0	2800	0	162	2962
S	487	0	19973	20460	0	0	0	0	487	0	19973	20460
TOT	24120	61	46744	70925	0	0	0	0	24120	61	46744	70925
GRN TOT	132390	61	1036941	1169392	82375	9281	474410	566066	214765	9342	1511351	1735458
ALLOCATIONS												
A	68090	0	140405	208495	57672	0	50197	107869	125762	0	190602	316364
B	26867	0	9347	36214	0	0	790	790	26867	0	10137	37004
TOT	94957	0	149752	244709	57672	0	50987	108659	152629	0	200739	353368
C	108	0	657	765	0	0	4162	4162	108	0	4819	4927
D	1161	0	2459	3620	0	0	0	0	1161	0	2459	3620
TOT	1269	0	3116	4385	0	0	4162	4162	1269	0	7278	8547
E	173	0	81336	81509	5386	9275	37923	52584	5559	9275	119259	134093
F	36	0	6011	6047	0	0	0	0	36	0	6011	6047
TOT	209	0	87347	87556	5386	9275	37923	52584	5595	9275	125270	140140
G	2695	0	14002	16697	1379	0	22927	24306	4074	0	36929	41003
H	8	0	1750	1758	0	0	0	0	8	0	1750	1758
TOT	2703	0	15752	18455	1379	0	22927	24305	4082	0	38679	42761
J	2587	0	473678	476265	17723	0	262630	280353	20310	0	736308	756618
K	5290	0	46236	51526	214	0	6903	7117	5504	0	53139	58643
L	1246	0	28743	29989	0	0	75	75	1246	0	28818	30064
TOT	9123	0	548657	557780	17937	0	269608	287545	27060	0	818265	845325
M	2210	54	4632	6896	0	0	0	0	2210	54	4632	6896
N	1190	7	14278	15475	0	0	0	0	1190	7	14278	15475
P	17433	0	2651	20084	0	0	0	0	17433	0	2651	20084
R	2800	0	141	2941	0	0	0	0	2800	0	141	2941
S	487	0	16274	16761	0	0	0	0	487	0	16274	16761
TOT	24120	61	37976	62157	0	0	0	0	24120	61	37976	62157
GRN TOT	132381	61	842600	975042	82374	9275	386607	477256	214755	9336	1228207	1452298

APPENDIX I

REPORT 6

DPEM REQUIREMENT

ALLOCATION SUMMARY BY TOTAL OF ELEMENT

OF EXPENSE IDENTIFICATION CODE

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMFT	EXCH	A/B/M	TOTL	1
78 AFR									
R	0	0	0	2742	0	21834	0	24576	
	C	0	0	1804	0	12427	0	14231	
D	0	2152	0	0	0	0	229	2381	
	C	7635	0	0	67	3214	0	10916	
A	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
TOT	0	2152	0	2742	0	21834	229	26957	
	C	7635	0	1804	67	15641	0	25147	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/R/M	TOTL	2
78 ANG									
R	0	0	0	13462	0	46473	0	59935	
	C	0	0	3614	0	22185	0	25799	
D	0	12719	0	0	1262	0	1324	15305	
	C	14426	0	0	454	1785	0	16665	
A	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
TOT	0	12719	0	13462	1262	46473	1324	75240	
	C	14426	0	3614	454	23970	0	42464	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL
78 DA								
R	0	0	0	0	0	0	0	0
	C	0	0	38	0	0	0	38
D	0	0	0	0	2	183	20	205
	C	0	0	0	0	68	0	68
A	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0
TOT	0	0	0	0	2	183	20	205
	C	0	0	38	0	68	0	106

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL	4
78 DAE									
R	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
D	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
A	0	198481	3025	92596	20443	606203	21245	941993	
	C	85473	16417	26991	20501	246797	0	396179	
TOT	0	198481	3025	92596	20443	606203	21245	941993	
	C	85473	16417	26991	20501	246797	0	396179	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL
78 DN								
R	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0
D	0	0	0	7596	2196	7162	128	17082
	C	306	0	7024	0	3681	0	10931
A	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0
TOT	0	0	0	7596	2196	7162	128	17082
	C	306	0	7024	0	3681	0	10931

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL
78 MAC								
R	0	0	0	12321	0	59553	0	71874
	C	0	0	652	0	31175	0	31827
D	0	43553	0	0	0	105	231	43889
	C	15236	0	0	0	0	0	15236
A	0	0	0	0	0	0	0	0
	C	0	0	0	0	0	0	0
TOT	0	43553	0	12321	0	59658	231	115763
	C	15236	0	652	0	31175	0	47063

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL	7
78 MAP									
R	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
D	0	0	0	0	4	0	84	88	
	C	534	0	0	0	14	0	548	
A	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
TOT	0	0	0	0	4	0	84	88	
	C	534	0	0	0	14	0	548	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL	8
78 SYS									
R	0	0	0	1607	0	7533	0	9140	
	C	0	0	1210	0	4703	0	5913	
D	0	5351	1078	0	0	245	1042	7716	
	C	1622	0	0	371	968	0	2961	
A	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
TOT	0	5351	1078	1607	0	7778	1042	16856	
	C	1622	0	1210	371	5671	0	8874	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL	9
78 OTH									
R	0	0	0	0	0	0	43	43	
	C	87	0	287	0	0	0	374	
D	0	842	299	0	2	1677	19686	22506	
	C	1643	0	0	38	1502	0	3183	
A	0	0	0	0	0	0	0	0	
	C	0	0	0	0	0	0	0	
TOT	0	842	299	0	2	1677	19729	22549	
	C	1730	0	287	38	1502	0	3557	

DPEM REQUIREMENT - ALLOCATION SUMMARY BY TOTAL OF ELEMENT OF EXPENSE IDENTIFICATION CODE

		ACFT	MISS	ENG	OMEI	EXCH	A/B/M	TOTL	10
78 TOT									
R	0	0	0	30132	0	135393	43	165568	
	C	87	0	7605	0	70490	0	78182	
D	0	64617	1377	7596	3466	9372	22744	109172	
	C	41402	0	7024	930	11152	0	60508	
A	0	198481	3025	92596	20443	606203	21245	941993	
	C	85473	16417	26991	20501	246797	0	396179	
TOT	0	263098	4402	130324	23909	750968	44032	1216733	
	C	126962	16417	41620	21431	328439	0	534869	

GLOSSARY OF TERMS

A	Direct Air Forces
A/B/M	Area Base Manufacture
AFR	Air Force Reserve
ALL $	Allocated Dollars
ANG	Air National Guard
C	Contract
CUS	Customer
D	Direct Cite
DA	Department of the Army
DAF	Department of the Air Force
DC	Department of Commerce
DN	Department of the Navy
EEI	Element of Expense Identification
EEIC	Element of Expense Identification Code
ENG	Engines
EXCH	Exchangeables
FSC	Federal Stock Class
FY	Fiscal Year
KS	Logistic Subprogram Code
MAC	Military Airlift Command
MAP	Military Assistance Program
MD	Model Design
MDS	Model Design Series
MISS	Missile
MISTR	Management Items Subject to Repair
MODALC.	Summary by Manager. Report #4.
MODALL.	Process comparing requirements to dollar available and dollars are assigned in order of priority of weapon systems.
MODEXT.	Extraction of data from DPEM data base
MODMDS.	Process making common items and identifying them to "peculiar" weapon systems
MODPCS	Time sharing interface allows percentage choice of budget parameters for allocating DPEM funding.
MODPCT	Time sharing interface allows choice of budget parameter for allocating DPEM funding
MODREQ.	Summary by Customer. Report #5.
MODSUM.	Summary by Model Design. Report #1.
MODTOT.	Summary by total of element of Expense Identification Code. Report #6.
MODWBS	Process that merges two streams of "peculiar" data
MODPRI.	Summary by priority. Report #3.
MOD500.	Summary of items over $500,000. Report #2.
O	Organic
OTH	All others

O/C	Organic/Contract, work types
PC	Pseudo Code
R	Reimburseables
REQ $	Requirement Dollars
RGC	Repair Group Category
SYS	Air Force Systems Command
WBS	Workload Breakdown Structure
WM ALL $	Cummulative allocated dollars
WM REQ	Cummulative requirement dollars

LOGISTICS PSEUDO CODES

The Logistics Pseudo Code (PC) is a four-character alphabetical code used to identify a particular line entry within the automated Program Management System (K011A) and the DPEM program.

Oklahoma City Air Logistics Center	(OC-ALC)	DAAA-DZZZ
Ogden Air Logistics Center	(OO-ALC)	EAAA-EZZZ
San Antonio Air Logistics Center	(SA-ALC)	FAAA-FZZZ
Sacramento Air Logistics Center	(SM-ALC)	HAAA-HZZZ
Warner Robins Air Logistics Center	(WR-ALC)	JAAA-JZZZ
Aerospace Guidance and Metrology Center	(AGMC)	RAAA-RZZZ

From a Headquarters AFLC viewpoint, the first letter denotes the ALC, and the last three letters, AAA to ZZZ, are internally assigned and controlled by the ALC.

REPAIR GROUP CATEGORY

A Repair Group Category (RGC) is a one-digit alpha or numeric character that identifies the system(s) Federal Stock Class (FSC) or program for which a maintenance workload may exist and against which an expenditure of manhours may be charged.

A = Aircraft - Programmed

B = Aircraft - Non-Programmed

C = Missile - Programmed

D = Missile - Non-Programmed

E = Engines - Programmed

F = Engines - Non-Programmed

G = Other Major End Items (OMEI) - Programmed

H = OMEI - Non-Programmed

J = MISTR (Organic/Contract)

K = Negotiated Project Directive (Non-MISTR)

L = Exchangeable - Non-Programmed

M = Area Support - Organic only

N = Base Support - Organic only

P = Manufacture - Air Force Stock Fund - AFSF

R = Manufacture - Non-AFSF

S = Special - Organic only

W = D/M Overhead - Organic only

1 = Aircraft Storage

3 = Detachment #41, Vanderburg

5 = PME Calibration

7 = AFLC Contract Base Maintenance

8 = Contract Service Engineering

9 = Preparation of Reproducible Copy of Data

WORKLOAD BREAKDOWN STRUCTURE

The Workload Breakdown Structure (WBS) contains three (3) elements.

The first element (1st digit) is the major category codes that identifies one of seven major categories of weapons or equipment end items to which a workload may be assigned. (See 1, below)

The second element (2nd, 3rd and 4th digit) is a weapon or equipment end item defined as an instrument of combat or combat support employed in the accomplishment of a military mission. It consists of a final combination of assemblies, subassemblies, parts, and materiels which together perform a complete operational function and is ready for its intended use, i.e., vehicle, missile aircraft, ship, tank, communications system. (See 2, below)

The third element (5th digit) is the workload breakdown structure code used to provide further breakdown of the seven major categories of weapons or equipment end items for which requirements may generate. (See 3, below)

1. Major Category Code:

Category	Code
Aircraft	1xxxx
Missile	2xxxx
Ship	3xxxx
Vehicles	4xxxx
Electronics and Communications Systems	5xxxx
General Purpose Equipment	6xxxx
Ordnance Weapons and Munitions	7xxxx

2. Weapons or equipment end item specific codes used are as follows:

Aircraft

BCA = C131A	BFE = RF004C	BXZ = C007Z	DCX = C117X
BCB = C131B	FBB = F004D	BYA = C008	DDF = OH023F

BCD = C131D
BCE = C131E
BCG = C131X
BCH = VC131H
BCJ = T029A
BCK = VT029A
BCL = VT029B
BCM = VT029B
BCN = F004A
BCP = VT029C
BCR = T029D
BCS = VT029D
BDB = UO10B
BDD = UO10B
BFA = F004A
BFB = F004B
BFC = RF004B
BFD = F004C
BFG = F004E
BFH = F004G
BFJ = F004J
BHA = F102A
BHB = TF102A
BJA = F111A
BJC = F111C
BJD = F111D
BJE = F111E
BJF = F-11F
BJG = RF111A
BKA = F106A
BKB = F106B
BPA = UD17A
BPB = J017B
BPC = U017C
BRA = FB111
BXA = C007A
BZA - HH053B
BZB = CH053C
BZC = HH053C
CFA = A001E
CGA = 0002A
CQA = C009A
DAE = OH013E
DAG = OH013G
DAH = OH013H
DCA = C047
DCB = EC047Q
DCC = EC047
DCD = HC047
DCE = RC047
DCF = TC047
DCG = VC047
DCH = C047X
DCM = C117
DEA = C054D
DEB = HC054D
DEC = TC054D
DEX = C054X
DEZ = C054Z
DFC = CH034C
DFD = UH034D
DFJ = UH034J
DHA = C118A
DHB = VC118A
DHX = C118X
DJC = C124C
DKA = TB026
DKB = VB026B
DKK = B026K
DLA = EB066B
DLB = RB066B
DLC = EB066C
DLD = EB066D
DLB = FB066E
DMA = C133A
DMB = C113B
DUA = S-02D
FLA = C135A
FLB = EC135A
FLC = RC135A
FLD = RC135A
FLE = C135B
GUC = F101C
GUD = RF101C
GUG = RF101G
HGA = T034
HHA = CH047
LFR = EC121R
LFX = C121X
LGA = C130A
LGB = DC130A
LGC = WC130A

DVA = C010
DZB = QU022B
ECJ = F089J
EVA = OV10A
FEA = B047B
FEB = TB047B
FED = B047E
FEE = RB047E
FEG = WB047E
FEH = RB047H
FFD = WB050D
FGA = B052A
FGB = F052B
FGC = B052C
FGD = B052D
FGE = B052E
FGF = B052F
FGG = B052G
FGH = B052H
FHC = C097L
FHD = C097D
FHG = KC097G
FHL = KC097L
FLF = WC135B
FLG = EC135C
FLH = RC135C
FLJ = RC135M
FXA = F015
GAB = UH001B
GAD = UH001D
GAE = TH001F
GAF = UH001F
GAH = UH001H
GAN = UH001N
GBA = HU016A
GBB = HU016B
GCA = C142
GEA = U006
GJA = CH021A
GJB = CH021B
GJC = HH021B
GMA = U007
GNA = U004A
GPA = A037
GUA = F101B
GUB = RF101B
JCB = HH043B
JCF = HH043F
JHA = C141
KCA = RB057A
KCB = B057B
KCC = B057C
KCD = EB057D
KCE = B057E
KCF = B057G
KCH = RB057F
LCA = T033A
LCB = DT033A
LCC = RT033A
LCX = T033X
LGY = QT033X
LFA = C121A
LFB = C121C
LFC = RC121C
LFD = EC121D
LFF = EC121T
LFG = C121G
LFH = EC121H
LFK = EC121K
LGD = AC130A
LGE = RC130A
LGH = C130B
LGJ = WC130B
LGL = C130D
LGN = C130E
LGP = DC130E
LGR = WC130E
LGS = HC130H
LGT = HC130N
LGX = C130X
LGY = C130Y
LHA = C005A
LJA = VC006A
LKA = QF104
LKB = F104A
LKC = F104B
LKD = F104C
LKE = F104D
LKF = F104G
LKG = RF104G
LKH = TF104G
MAD = A007D

MEG = T006G	RDA = C119C	TXA = T043	13A = AX
MFA = T028A	RDB = C119G	WDA = HH019A	14A = U001A
MFB = T028B	RDD = C119J	WDB = HH019B	15A = B045
MFD = T028D	RDE = AC119G	WDD = UH019D	16A = F008X
MJA = F086D	RDF = AC119K	XCA = VC137A	17A = T002X
MJB = F086F	RDX = C119K	XDA = C140	18A = P002X
MJC = RF086F	REB = C123B	XEA = T038A	19A = E003A
MJD = F086F	REJ = C123J	XFA = T039	20A = AU23A
MLA = F100A	REK = C123K	XFX = T039X	21A = AU24A
MLC = F100C	REY = C123Y	XHA = C046	22A = C00XX
MLD = F100D	SCE = 0001E	XJA = F005A	23A = EC747
MLF = F100F	SCF = 0001F	XJB = RF005A	24A = B1
MSA = F051	SEB = T037B	XJC = F005B	25A = C-11
NDA = F084F	SFA = U003A	XJE = F005E	26A = MH-15
NDB = RF084F	THB = CH003B	XXA = B058A	27A = F37A/T45
NEB = F105B	THC = CH003C	11A = T041A	28A = A7
NED = F105D	THE = CH003E	11D = T041D	888 = Other
NEF = F105F	THY = HH003Y	12B = A004B	999 = Common
NEG = F105G			

Missiles

ACD = CGM016D	AHG = LGM030G	JBA = AGM65A	22A = PGM043
ACE = CGM016E	ADA = 437/BURN	SBA = MQM013A	23A = BQM034A
ACF = HGM016F	BMA = WS96	SBB = CGM013B	23F = BQM034F

AEC = LGM025C	CEA = HGM025A	VEA = DSP	888 = Other
AHB = LGM030B	FBA = COM010A	21A = PGM017A	999 = Common
AHF = LGM030F	FBB = CIm010B		

Ship Systems

"333"

Vehicle Systems

"444"

Electronics & Communications Systems

CZA = 440L	ZJA = 474L	2BA = 427M	3KA = 490L
CPA = MCGS	ZKA = 404L	3AA = 439L	3LA = 493L
ELA = 441D	ZMA = 494L	3BA = 469L	3LB = ZS
XLA = 414L	ZNA = 492L	3CA = 484L	3LC = JA
XMA = 416P	ZRA = 407L	3DA = 484N	3LD = ZX
XNA = 418L	1AA = 416L	3EA = 486L	3LE = ZE
ZAA = 496L	LBA = 416M	3FA = 487L	3LF = ZU
ZBA = 412L	1CA = 416Q	3GA = 487M	3LG = ZV
ZEA = 433L	1DA = 474N	3HA = 488L	4AN = GPS-T2
ZFA = 465L	2AA = 425L	3JA = 489L	5AN = GPQ-76
ZGA = 466L			

General Support Systems

"666"

Ordnance Weapons and Munitions

"777"

3. Workload Breakdown Structure Codes:

I Aircraft	II Missiles
A = Airframe	A = Missile Frame

B = Engine

C = A/C Acc/Comp

D = A/C Electr/Comm

E = A/C Armament

F = A/C Supp Equip

G = A/C Other

B = Msl Prop Sys/Comp

C = Msl Acc/Comp

D = Msl Supp & Launch

E = Msl Guid Sys/Comp

F = Msl Grd Comm/Cent

G = Msl Other

III Ships

Constant 3333X ships

IV Vehicles

Constant 4444X vehicles

V Electronic & Communications Systems

A = Sta Sys/Comp

B = Mobile Sys/Comp

C = Port Sys/Comp

VI General Purpose Equip

Constant 6666X General Purpose Equipment

VII Ordnance Weapons and Munitions

Constant 7777X