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NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIFORNIA

THESIS

A DATA BASE SYSTEM TO TRACK NPS NAVY OFFICER GRADUATES

by

Judy Harr

June 1993

Thesis Advisor: **Richard Elster**

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In response to Department of Defense queries regarding the effectiveness of graduate education for Navy officers at the Naval Postgraduate School (NPS), the Dean of Instruction found it necessary to provide a system for tracking Navy graduates. The data for this system was initially acquired from the Navy officer personnel data files and a subset was selected by matching with the current NPS Navy student population. Design and development of the system includes the Navy Officer Master File (OMF) records, Unit Identification Code (UIC) index file, and Billet Sequence Code (BSC) index file. The prototype for the OMF is complete and operational for the personnel Officer Master File Extract (OMFX) personnel data base maintenance and reporting.

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A Data Base System to Track
NPS Navy Officer Graduates

by

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ABSTRACT

In response to Department of Defense queries regarding the effectiveness of graduate education for Navy officers at the Naval Postgraduate School (NPS), the Dean of Instruction found it necessary to provide a system for tracking Navy graduates. The data for this system was initially acquired from the Navy officer personnel data files and a subset was selected by matching with the current NPS Navy student population. Design and development of the system includes the Navy Officer Master File (OMF) records, Unit Identification Code (UIC) index file, and Billet Sequence Code (BSC) index file. The prototype for the OMF is complete and operational for the personnel Officer Master File Extract (OMFX) personnel data base maintenance and reporting.

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I. INTRODUCTION

There have been various studies contrasting Navy officer graduate degrees and subsequent assignments. In order to determine the cost effectiveness of providing Naval officers with advanced degrees, there is a need to provide a tool for tracking their career paths after graduation from government sponsored graduate education (or Naval Postgraduate School). This menu-driven prototype application was developed to fulfill that requirement. By providing a data base that is easily maintainable and readily accessible for updating billet information, trends in the utilization of officers having government sponsored graduate degrees can be easily viewed through the reporting feature.

A. REVIEW OF CURRENT PROCESS

In the face of downsizing U.S. military forces, the importance of personnel utilization becomes more critical. The current method for reassignment is determined mainly between the detailer and the officer. Moreover, the Navy officer is in a unique position in that the officer generally is required to follow shore duty (Naval Postgraduate School) with sea duty. The officer is interested in checking off the requirements that the promotion board will be reviewing and not concerned with fulfilling a payback tour or pay back

billet. The detailer has limited payback billets opened concurrently with the rotation cycle of the NPS graduates and is concerned with filling positions rather then payback requirements. There are specific guidelines for filling degree-related billets but no current method for applying these guidelines. Moreover, the activity for educating Navy officers and the activity for assigning them are two distinct commands. At best, a system for tracking NPS Navy officer graduates will provide the necessary data to analyze current billet assignments.

B. PURPOSE

Initially, three questions were to be addressed in this study:

1. What cost effectiveness can be realized by the Navy in providing advanced degrees to their Navy officers?
2. What measures are currently employed in placing graduate Navy officers in applicable billets?
3. What career trends are reflective of the Navy officer following graduation at NPS?

There have been several papers written regarding cost effectiveness of advanced degrees for Navy officers which tend to indicate the subjectivity required to make such an assessment. For further review, see references 2 and 3. As stated previously, there is no unified process for placing graduate students. Basically what is available and what is

optimal in terms of career advancement are the two influencing factors. This would require a process change which is not within the scope of this paper (instead of shore to sea; institute NPS (shore) to payback (shore) to sea). Thus, this paper focused on the tracking of NPS Navy officers. This prototype addresses the third question: where do the graduates go? By looking at past trends and developing a system to track current NPS graduates, future assignments may be more efficiently managed.

II. PROJECT REVIEW

There is no formal system analysis and design methodology when developing a system using a fourth generation language (FOCUS). FOCUS is basically a data base maintenance tool and report generator. Three phases are required to develop a prototype. They consist of (1) the requirements review, (2) data base design, and(3) identifying report requirements. Through an iterative process, the system is developed, analyzed and modified until requirements have been satisfied (the requirements may be modified as the process continues and actual application is realized).

A. REQUIREMENTS REVIEW

The hardware and software selection was based on the size of the data and availability to end-users. The NPS mainframe computer (AMDAHL 6225) was selected and CMS accounts set up to utilize existing FOCUS software. The initial data file of Navy records and data elements requires approximately 40 cylinders of storage. Therefore, a subset of the Officer Navy Master File was used. Only current NPS Navy students were selected for this prototype and may be expanded to include all Navy officers as well as other services as the need requires and space allows.

The Officer Master File (OMF) maintained by the Defense Manpower Data Center (DMDC) was identified as the initial data source. These files provided service member data, billet data, and educational data. However, the billet sequence code required to identify payback billets was not available. Further investigation led to a request by the Dean of Instruction to Bureau of Personnel (PERS 5G) to change the Department of Defense Instruction (DODI) to include this service specific data to the DMDC OMF. This information was not received in adequate time to develope this prototype. Alternatively, menu screens were provided to input a sample of officer billet data into the base OMF extract. Ten officers having graduated the last two quarters across the 12 curriculums were requested for entry into the database.

A UIC file from DMDC was identified and initially requested. However, the idea of grouping UICs (like grouping zip codes) to identify "where are the graduates going" was determined to be too broad to be useful in this analysis.

The billet information was determined to be classified by Bureau of Personnel (BUPERS) and therefore not included in this thesis. A billet matrix, used for assigning personnel, was provided for informational purposes only and not within the scope of developing the personnel data base.

Ability to develop user reports through a user friendly application was requested. A simple menu driven application is provided by FOCUS called TABLETALK. This application was

provided as an option from the main menu. A listing of the individual records in the data base and a summary report were provided as options.

B. DATA BASE DESIGN

As stated previously, the OMF prototype was developed for the personnel data base (OMFX). Index keys were included for later linking to the UIC file and the Billet file. These three structures and their elements are summarized in Appendix A.

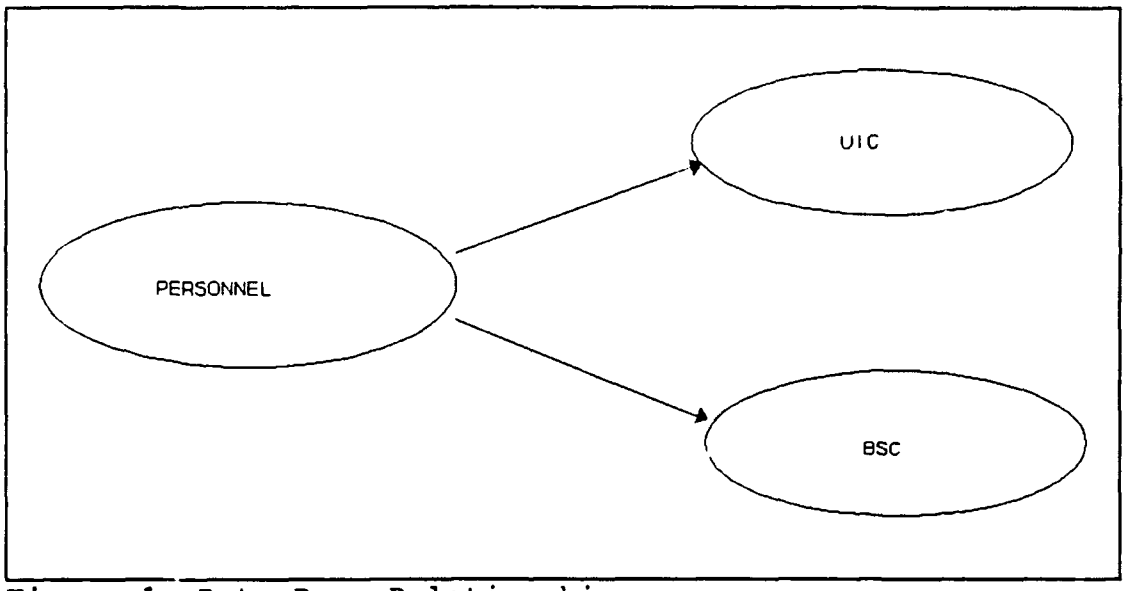

Figure 1 Data Base Relationship

1. Personnel Data Base

The Personnel Data Base referred to as the Officer Master file extract (OMFX) consists of four major components: (1) the service segment; (2) the individual member segment; (3) the billet information segment; and (4) the educational segment. The service component identifies the individual service or organization: NV - Navy, AR - Army, AF - Air Force, CG - Coast Guard, MR - Marines, CIV - Civilian. The Navy is the main focus for this study. The next segment, member information, contains the individual's social security number, abbreviated name, and name as indexes, as well as additional personnel data identified in the master file description. The billet segment indexes the current unit identification code (UIC), the billet sequence code (BSC), and the next tour of duty UIC and BSC. This segment provides data information for the next two tours of duty since there is a requirement to complete a pay back tour within this time period. The educational segment contains the officer's last two college degree programs and their respective information. This was restricted by the initial data uploaded from the OMF file. In order to accommodate multiple instances of educational data, a unique identifier would need to be determined. In reviewing the actual data, a unique identifier could not be determined. Officers may attend the same college and graduate in two separate majors as well as graduate the same time from two different schools. Although this is the

exception and not the rule, there would be lost data or incomplete data on these students if the index were school or date of completion.

2. Unit Identification Code (UIC) File

The UIC file would be used to store data from the UIC file from DMDC providing address information only. This would be helpful if grouping them by geographical area was determined to be useful for tacking NPS Navy students.

3. Billet Sequence Code File

The BSC would identify specific billet codes associated with a UIC. The file would provide subspecialty codes associated with each unique UIC/BSC in order to identify and link potential billets by subspecialties granted at NPS.

III. PROJECT DESIGN AND IMPLEMENTATION

A. OFFICER MASTER FILE EXTRACT (OMFX) MODEL

The OMFX model was designed as a tool to provide on-line access for end-user reporting. This information was normalized into three separate relational data bases. The personnel data base was designed to expand its usage to include all Navy Officers and all services. An account was developed to provide simultaneous access, updating and reporting, referred to as a SINK machine (synchronized usage). Multi-usage was implemented for entering test billet data from each of the NPS curriculum offices. It appears feasible to implement the total Navy force on a single CMS account SINK machine. The Navy OMF fixed file required 40 cylinders of storage. A program account of approximately 50 cylinders and a users account of 4 cylinders for each end user would be required. The model currently consists of 10 cylinders of data and programs and one 4 cylinder user account on the Naval Postgraduate School (NPS) mainframe computer.

B. PROGRAM DEVELOPMENT

Programs developed in FOCUS consists of a main menu for uploading data, maintaining the data base, and reporting. Since this was a prototype, backup procedures and backup programs were not included. However, security passwords were

implemented due to the sensitivity of the data. To view the system, refer to the Users Guide at Appendix C. The accounts currently set up for this model are temporary accounts.

IV. CONCLUSIONS

The initial requirements of providing a tool to track NPS Navy students was realized in the OMFX model. The adding of billet information on students graduating from NPS provides the information required for tracking but raises the issues of entering and maintaining the data as well as keeping duplicate information at their respective command levels. At best, trends can be reviewed from data gathered at DMDC providing that the billet sequence codes can be included in their OMF. The timeliness of the data represents a signficiant problem worthy of further study. The OMF is a fiscal year file. Requirements to have the data quarterly (to include BSC information) impact the submitting agency and the supporting agency.

When it is determined how the BSC data is to be included (provided through the OMF file or through inputing by department curricular offices) and how the data is to be maintained current, the basic concept presented to track these personnel is feasible. The OMFX model represents a successful implementation of a data base with multi-user access.

APPENDIX A: DATA DICTIONARY

A. TABLE 1: DATA FILES

FILE NAME/TYPE	DESCRIPTION
OMF DATA	Transaction input personnel attributes.
OMFX FOCUS	On-Line personnel data base.
OMFUIC FOCUS	Proposed on-line UIC data base.
OMFBSC FOCUS	Proposed on-line BSC data base.

B. TABLE 2: OMF DATA FILE DEFINITIONS

FIELD NAME	FORMAT	DESCRIPTION
RECNO	I5	Record number extracted from master.
PR_GRADE	A1	Permanent Grade
PROMO_STAT	A4	Officer's selection/nonselection to next higher grade.
YEAR_GRP	A2	Year of precedence for officer promotion.
YG_MYSTERY	A1	Year-group of precedence (1 = first increment; 2 = second)
DESIG	A4	Code to categorize officers for accounting and statistical purposes.
UNKNOWN	A1	Filler
SEL_FY	A2	Program Status Fiscal Year
SEL_INCR	A1	Program Status FY Increment
SEL_PGM	A1	Program Status Program
SEL_CURR	A3	Program Status Curriculum
SEL_STAT	A1	Program Status Selectee
GROUP	A1	Education History Group Code
PRESELECT	A1	Preselect Indicator
U_GRAD_VALID	A1	Undergraduate Valid
FY_SELECTED	A2	Fiscal Year Selected
INCR_SELECT	A1	FY Increment Selected
PGM_SELECT	A1	Program Selected
CURRIC_SEL	A3	Curriculum Selected
SELECT_STAT	A1	Selection Status
J_YR_SEL	A1	Junior Year Selected
J_STATUS	A1	Junior Year Status
J_COLLEG	A2	Junior Service College
J_FYELIG	A2	Junior FY Eligible
S_YR_SEL	A1	Senior Year Selected
S_STATUS	A1	Senior Status
S_COLLEG	A2	Senior Service College
S_FYELIG	A2	Senior FY Eligible
PRI_DUTY	A14	Primary Duty (Billet Title)
BSC	A5	Billet Sequence Code (Not Provided)
GRE_YEAR	A1	Graduate Record Exam Year
COLLEGE1	A10	Current College (Monterey)
DURATIN1	A2	Duration
YRCOMP1	A2	Year Completed
SPONSR1	A1	Sponsor Code
LEVEL1	A1	Level
MAJOR1	A2	Major
SPEC1	A2	Specialty

COLLEGE2	A10	Previous College
DURATIN2	A2	Duration
YRCOMP2	A2	Year Completed
SPONSR2	A1	Sponsor Code
LEVEL2	A1	Level
MAJOR2	A2	Major
SPEC2	A2	Specialty
SUBSPEC1	A5	First Subspecialty
SUBSPEC2	A5	Second Subspecialty
SUBSPEC3	A5	Third Subspecialty
SSUHIST	A8	Subspecialty Utilization History
NOB_CODE1	A4	Navy Office Billet Code (NOBC)
NOB_STA_COD1	A3	NOBC Station Code
NOB_CLASS1	A2	NOBC Class (MOS)
NOB_KEY1	A1	NOBC Key
NOB_CODE2	A4	(Group 2 thru 6 same as NOBC group 1)
NOBC_STA_COD2	A3	
NOB_CLASS2	A2	
NOB_KEY2	A1	
NOB_CODE3	A4	
NOB_STA_COD3	A3	
NOB_CLASS3	A2	
NOB_KEY3	A1	
NOB_CODE4	A4	
NOB_STA_COD4	A3	
NOB_CLASS4	A2	
NOB_KEY4	A1	
NOB_CODE5	A4	
NOB_STA_COD5	A3	
NOB_CLASS5	A2	
NOB_KEY5	A1	
NOB_CODE6	A4	
NOB_STA_COD6	A3	
NOB_CLASS6	A2	
NOB_KEY6	A1	
APC	A3	Not Used
DOD_LOSS_COD	A3	DOD LossCode
SEX	A1	Gender (1 - Male;2 - Female)
NOBC_COUNTER	A2	NOBC Counter
PGU_UTIL	A1	Pay Grade Utilization Code
ACTUAL_UIC	A5	Actual Unit Identification Code (UIC)
PARENT_UIC	A5	Parent UIC
UIC_XFERD_TO	A5	UIC Transfered To
AQD_COUNTER Designator	A2	Additional Qualification (AQD) Counter
AQDDATE1	A2	AQD Year
AQD1	A3	AQD Code
AQDDATE2	A2	(Group 2 thru 12 same as AQD group 1)

AQD2	A3	
AQDDATE3	A2	
AQD3	A3	
AQDDATE4	A2	
AQD4	A3	
AQDDATE5	A2	
AQD5	A3	
AQDDATE6	A2	
AQD6	A3	
AQDDATE7	A2	
AQD7	A3	
AQDDATE8	A2	
AQD8	A3	
AQDDATE9	A2	
AQD9	A3	
AQDDATE10	A2	
AQD10	A3	
AQDDATE11	A2	
AQD11	A3	
AQDDATE12	A2	
AQD12	A3	
SSN	A9	Social Security Number
NAME	A27	Last First Middle
YOS	A1	Years of Service

C. TABLE 3: OMF MASTER FILE

```
FILE=OMF,SUFFIX=FIX
  FIELD=RECNO        ,                ,I5,$
  FIELD=PR_GRADE     ,ALIAS=PG        ,A1,$
  FIELD=PROMO_STAT   ,                ,A4,$
  FIELD=YEAR_GRP     ,ALIAS=YG        ,A2,$
  FIELD=YG_MYSTERY   ,                ,A1,$
  FIELD=DESIG        ,                ,A4,$
  FIELD=UNKNOWN      ,                ,A1,$
  FIELD=SEL_FY       ,                ,A2,$
  FIELD=SEL_INCR     ,                ,A1,$
  FIELD=SEL_PGM      ,                ,A1,$
  FIELD=SEL_CURR     ,                ,A3,$
  FIELD=SEL_STAT     ,                ,A1,$
  FIELD=GROUP        ,                ,A1,$
  FIELD=PRESELECT    ,                ,A1,$
  FIELD=U_GRAD_VALID,                 ,A1,$
  FIELD=FY_SELECTED,                  ,A2,$
  FIELD=INCR_SELECT,                  ,A1,$
  FIELD=PGM_SELECT   ,                ,A1,$
  FIELD=CURRIC_SEL   ,                ,A3,$
  FIELD=SELECT_STAT,                  ,A1,$
  FIELD=J_YR_SEL     ,                ,A1,$
  FIELD=J_STATUS     ,                ,A1,$
  FIELD=J_COLLEG     ,                ,A2,$
  FIELD=J_FYELIG     ,                ,A2,$
  FIELD=S_YR_SEL     ,                ,A1,$
  FIELD=S_STATUS     ,                ,A1,$
  FIELD=S_COLLEG     ,                ,A2,$
  FIELD=S_FYELIG     ,                ,A2,$
  FIELD=PRI_DUTY     ,                ,A14,$
  FIELD=BSC          ,                ,A5,$
  FIELD=GRE_YEAR     ,                ,A1,$
  FIELD=COLLEGE1     ,                ,A10,$
  FIELD=DURATIN1     ,                ,A2,$
  FIELD=YRCOMP1      ,                ,A2,$
  FIELD=SPONSR1      ,                ,A1,$
  FIELD=LEVEL1       ,                ,A1,$
  FIELD=MAJOR1       ,                ,A2,$
  FIELD=SPEC1        ,                ,A2,$
  FIELD=COLLEGE2     ,                ,A10,$
  FIELD=DURATIN2     ,                ,A2,$
  FIELD=YRCOMP2      ,                ,A2,$
  FIELD=SPONSR2      ,                ,A1,$
  FIELD=LEVEL2       ,                ,A1,$
  FIELD=MAJOR2       ,                ,A2,$
  FIELD=SPEC2        ,                ,A2,$
  FIELD=SUBSPEC1     ,ALIAS=SSC1      ,A5,$
  FIELD=SUBSPEC2     ,ALIAS=SSC2      ,A5,$
  FIELD=SUBSPEC3     ,ALIAS=SSC3      ,A5,$
```

```
FIELD=SSUHIST     ,                  ,A8,$
FIELD=NOB_CODE1   ,                  ,A4,$
FIELD=NOB_STA_COD1,                  ,A3,$
FIELD=NOB_CLASS1  ,                  ,A2,$
FIELD=NOB_KEY1    ,                  ,A1,$
FIELD=NOB_CODE2   ,                  ,A4,$
FIELD=NOB_STA_COD2,                  ,A3,$
FIELD=NOB_CLASS2  ,                  ,A2,$
FIELD=NOB_KEY2    ,                  ,A1,$
FIELD=NOB_CODE3   ,                  ,A4,$
FIELD=NOB_STA_COD3,                  ,A3,$
FIELD=NOB_CLASS3  ,                  ,A2,$
FIELD=NOB_KEY3    ,                  ,A1,$
FIELD=NOB_CODE4   ,                  ,A4,$
FIELD=NOB_STA_COD4,                  ,A3,$
FIELD=NOB_CLASS4  ,                  ,A2,$
FIELD=NOB_KEY4    ,                  ,A1,$
FIELD=NOB_CODE5   ,                  ,A4,$
FIELD=NOB_STA_COD5,                  ,A3,$
FIELD=NOB_CLASS5  ,                  ,A2,$
FIELD=NOB_KEY5    ,                  ,A1,$
FIELD=NOB_CODE6   ,                  ,A4,$
FIELD=NOB_STA_COD6,                  ,A3,$
FIELD=NOB_CLASS6  ,                  ,A2,$
FIELD=NOB_KEY6    ,                  ,A1,$
FIELD=APC         ,                  ,A3,$
FIELD=DOD_LOSS_COD,                  ,A3,$
FIELD=SEX         ,                  ,A1,$
FIELD=NOBC_COUNTER,                  ,A2,$
FIELD=PGU_UTIL    ,                  ,A1,$
FIELD=ACTUAL_UIC  ,ALIAS=AUIC        ,A5,$
FIELD=PARENT_UIC  ,ALIAS=PUIC        ,A5,$
FIELD=UIC_XFERD_TO,ALIAS=XUIC        ,A5,$
FIELD=AQD_COUNTER,                   ,A2,$
FIELD=AQDDATE1    ,                  ,A2,$
FIELD=AQD1        ,                  ,A3,$
FIELD=AQDDATE2    ,                  ,A2,$
FIELD=AQD2        ,                  ,A3,$
FIELD=AQDDATE3    ,                  ,A2,$
FIELD=AQD3        ,                  ,A3,$
FIELD=AQDDATE4    ,                  ,A2,$
FIELD=AQD4        ,                  ,A3,$
FIELD=AQDDATE5    ,                  ,A2,$
FIELD=AQD5        ,                  ,A3,$
FIELD=AQDDATE6    ,                  ,A2,$
FIELD=AQD6        ,                  ,A3,$
FIELD=AQDDATE7    ,                  ,A2,$
FIELD=AQD7        ,                  ,A3,$
FIELD=AQDDATE8    ,                  ,A2,$
FIELD=AQD8        ,                  ,A3,$
FIELD=AQDDATE9    ,                  ,A2,$
```

```
  FIELD=AQD9          ,              ,A3,$
  FIELD=AQDDATE10     ,              ,A2,$
  FIELD=AQD10         ,              ,A3,$
  FIELD=AQDDATE11     ,              ,A2,$
  FIELD=AQD11         ,              ,A3,$
  FIELD=AQDDATE12     ,              ,A2,$
  FIELD=AQD12         ,              ,A3,$
  FIELD=SSN           ,              ,A9,$
  FIELD=NAME          ,              ,A27,$
  FIELD=YOS           ,              ,A1,$
END
```

D. TABLE 4: OMFX MASTER FILE

```
FILE=OMFX,SUFFIX=FOC,$

SEGNAME=SERVICE,SEGTYPE=S1
  FIELD=SVC          ,            ,FORMAT=A3   ,FIELDTYPE=I,
    DESCRIPTION='Individual service or organization',
    TITLE='SVC',                                          ,
    ACCEPT='NV ' OR 'AR ' OR 'AF ' OR 'CG ' OR 'MC ' OR 'CIV' ,
    HELP= '*** Service must be NV, AR, AF, CG, MC, OR CIV ***'  ,$
  FIELD=ALUM_FLG     ,            ,FORMAT=A1 ,
    DESCRIPTION='NPS Alumni',
    TITLE='Alumni'                                          ,$
  FIELD=ALUM_DATE    ,            ,FORMAT=I4YM,
    DESCRIPTION='Year Month Graduated from NPS',
    TITLE='Alumni,Grad Date'                                ,$

SEGNAME=MEMBER,SEGTYPE=S1, PARENT=SERVICE
  FIELD=SSN          ,            ,FORMAT=A9 ,FIELDTYPE=I          ,$
  FIELD=NAME_SHORT ,ALIAS=NM_S ,FORMAT=A8 ,FIELDTYPE=I,
    DESCRIPTION='First 8 letters of name field '             ,$
  FIELD=NAME         ,ALIAS=NM    ,FORMAT=A27,FIELDTYPE=I,
    DESCRIPTION='Last First Middle',
    TITLE='Name                '                            ,$
  FIELD=FILE_DATE   ,ALIAS=FY    ,FORMAT=I4YY ,
    DESCRIPTION='Year of Officer Master File Extracted From'  ,$
  FIELD=GENDER       ,ALIAS=SEX   ,FORMAT=A1,
    DESCRIPTION='F - Female, M - Male',
    TITLE='Gender'                                          ,$
  FIELD=DOD_LOSS_COD,ALIAS=ETS  ,FORMAT=A3                  ,$
  FIELD=YOS          ,            ,FORMAT=A1                ,$
  FIELD=PR_GRADE     ,ALIAS=PG    ,FORMAT=A1                ,$
  FIELD=PROMO_STAT ,              ,FORMAT=A4                ,$
  FIELD=YEAR_GRP     ,ALIAS=YG    ,FORMAT=A2                ,$
  FIELD=DESIG        ,            ,FORMAT=A4                ,$
  FIELD=SEL_FY       ,            ,FORMAT=A2                ,$
  FIELD=SEL_INCR     ,            ,FORMAT=A1                ,$
  FIELD=SEL_PGM      ,            ,FORMAT=A1                ,$
  FIELD=SEL_CURR     ,            ,FORMAT=A3                ,$
  FIELD=SEL_STAT     ,            ,FORMAT=A1                ,$

SEGNAME=BILLET,SEGTYPE=S1, PARENT=MEMBER
  FIELD=UIC_ACTUAL ,ALIAS=AUIC,FORMAT=A5   ,FIELDTYPE=I       ,$
  FIELD=BSC          ,            ,FORMAT=A5   ,FIELDTYPE=I   ,$
  FIELD=UIC_PARENT ,ALIAS=PUIC,FORMAT=A5                      ,$
  FIELD=UIC1_X_TO,ALIAS=XUIC1,FORMAT=A5     ,FIELDTYPE=I      ,$
  FIELD=BSC1_X_TO,ALIAS=XBSC1,FORMAT=A5     ,FIELDTYPE=I      ,$
  FIELD=PAY1_BACK    ,            ,FORMAT=A1,
    DESCRIPTION='PAY BACK TOUR OR BILLET',
    TITLE='FIRST,TOUR',
    ACCEPT= 0 TO 4,
    HELP= '*** PAY BACK MUST BE 1, 2, 3, OR 4 ***'          ,$
  FIELD=SPONS1_NM    ,            ,FORMAT=A27               ,$
  FIELD=SPONS1_ADDR1,             ,FORMAT=A20               ,$
  FIELD=SPONS1_ADDR2,             ,FORMAT=A20               ,$
  FIELD=SPONS1_ADDR3,             ,FORMAT=A20               ,$
  FIELD=SPONS1_CITY,              ,FORMAT=A20               ,$
  FIELD=SPONS1_STATE,             ,FORMAT=A2                ,$
  FIELD=SPONS1_ZIP,               ,FORMAT=A10               ,$
  FIELD=RPT1_DATE,                ,FORMAT=I4YM              ,$
  FIELD=UIC2_X_TO,ALIAS=XUIC2,FORMAT=A5     ,FIELDTYPE=I      ,$
  FIELD=BSC2_X_TO,ALIAS=XBSC2,FORMAT=A5     ,FIELDTYPE=I      ,$
```

```
  FIELD=PAY2_BACK   ,           ,FORMAT=A1,
    DESCRIPTION='PAY BACK TOUR OR BILLET',
    TITLE='SECOND,TOUR',
    ACCEPT= 0 TO 4,
    HELP= '*** PAY BACK MUST BE 1, 2, 3, OR 4 ***'                    ,$
  FIELD=SPONS2_NM   ,           ,FORMAT=A27                           ,$
  FIELD=SPONS2_ADDR1,           ,FORMAT=A20                           ,$
  FIELD=SPONS2_ADDR2,           ,FORMAT=A20                           ,$
  FIELD=SPONS2_ADDR3,           ,FORMAT=A20                           ,$
  FIELD=SPONS2_CITY,            ,FORMAT=A20                           ,$
  FIELD=SPONS2_STATE,           ,FORMAT=A2                            ,$
  FIELD=SPONS2_ZIP,             ,FORMAT=A10                           ,$
  FIELD=RPT2_DATE,              ,FORMAT=I4YM                          ,$
  FIELD=SUBSPEC1    ,ALIAS=SSC1,FORMAT=A5   ,FIELDTYPE=I              ,$
  FIELD=SUBSPEC2    ,ALIAS=SSC2,FORMAT=A5   ,FIELDTYPE=I              ,$
  FIELD=SUBSPEC3    ,ALIAS=SSC3,FORMAT=A5   ,FIELDTYPE=I              ,$
  FIELD=PGU_UTIL    ,           ,FORMAT=A1                            ,$
  DEFINE UICBSC/A10 = UIC_ACTUAL || BSC                               ;$

SEGNAME=SCHOOLS,SEGTYPE=S1, PARENT=MEMBER
  FIELD=COLLEGE1    ,           ,FORMAT=A10                           ,$
  FIELD=YRCOMP1     ,           ,FORMAT=A2                            ,$
  FIELD=LEVEL1      ,           ,FORMAT=A1                            ,$
  FIELD=MAJOR1      ,           ,FORMAT=A2                            ,$
  FIELD=SPEC1       ,           ,FORMAT=A2                            ,$
  FIELD=COLLEGE2    ,           ,FORMAT=A10                           ,$
  FIELD=YRCOMP2     ,           ,FORMAT=A2                            ,$
  FIELD=LEVEL2      ,           ,FORMAT=A1                            ,$
  FIELD=MAJOR2      ,           ,FORMAT=A2                            ,$
  FIELD=SPEC2       ,           ,FORMAT=A2                            ,$
END
DBA=OMFDBA                      ,$
USER=OMFRDR   ,ACCESS=R         ,$
USER=OMFNV    ,ACCESS=RW        ,$
```

E. TABLE 5: UICX MASTER FILE

```
FILENAME=UICX,SUFFIX=FOC,$

SEGNAME=UICFILE,SEGTYPE=S1,$
  FIELD=UICSVC      ,           ,FORMAT=A3                          ,$
SEGNAME=UICINFO,SEGTYPE=S1,PARENT=UICFILE,$
  FIELD=UIC5        ,           ,FORMAT=A5, FIELDTYPE=I             ,$
  FIELD=UNKN1       ,           ,FORMAT=A2                          ,$
  FIELD=ADDR_LN_NO  ,           ,FORMAT=I1                          ,$
  FIELD=ADDR_L1     ,           ,FORMAT=A30                         ,$
  FIELD=ADDR_L2     ,           ,FORMAT=A30                         ,$
  FIELD=ADDR_L3     ,           ,FORMAT=A30                         ,$
  FIELD=ADDR_L4     ,           ,FORMAT=A30                         ,$
  FIELD=ADDR_L5     ,           ,FORMAT=A30                         ,$
  FIELD=STATE       ,           ,FORMAT=A2                          ,$
  FIELD=ZIPCODE     ,           ,FORMAT=A5                          ,$
  FIELD=ZIPEXTN     ,           ,FORMAT=A5                          ,$
  FIELD=SERVICE     ,           ,FORMAT=A1                          ,$
  FIELD=COMP        ,           ,FORMAT=A1                          ,$
  FIELD=DISTR       ,           ,FORMAT=A2                          ,$
  FIELD=CONUS       ,           ,FORMAT=A1                          ,$
  FIELD=UNKN2       ,           ,FORMAT=A1                          ,$
  FIELD=CNTRYCDE    ,           ,FORMAT=A2                          ,$
  FIELD=LOCTN       ,           ,FORMAT=A1                          ,$
  FIELD=CONTN       ,           ,FORMAT=A2                          ,$
  FIELD=STATE_H     ,           ,FORMAT=A2                          ,$
  FIELD=CITY_H      ,           ,FORMAT=A4                          ,$
  FIELD=ACTVTY      ,           ,FORMAT=A1                          ,$
  FIELD=SEA_SHORE   ,           ,FORMAT=A1                          ,$
  FIELD=MISSION     ,           ,FORMAT=A2                          ,$
END
```

F. TABLE 6: BSCNV MASTER FILE

```
FILENAME=BSCNV,SUFFIX=FOC,$

SEGNAME=BSCFILE,SEGTYPE=S1,$
  FIELD=UICBSC      ,           ,FORMAT=A10                          ,$
SEGNAME=BILLET,SEGTYPE=S1,$
  FIELD=SUBSPEC     ,           ,FORMAT=A5                           ,$
  FIELD=DESCRIP     ,           ,FORMAT=A25                          ,$
  FIELD=UIC                     ,FORMAT=A5,   FIELDTYPE=I            ,$
END
```

G. TABLE 7: REPORTS

REPORT NO:OMFDA10R NAVAL POSTGRADUATE SCHOOL PAGE NO: 1
PREPARED: 04/23/93 NAVY OMFX

SSN	Name	SPEC1	CURRENT UIC	SPEC1	CURRENT BSC	SPEC1	TRANSFER TO UIC	SPEC1	TRANSFER TO BSC	SPEC1	COLLEGE	YEAR COMP	MAJOR	SPEC
000000001	LAST1 FIRST1 MIDDLE1	92	62980	92	99990	92		92		92	MONTEREY	81	49	92
000000002	LAST2 FIRST2 MIDDLE2	00	68438	00	11010	00		00		00	MONTEREY	85	57	00
000000003	LAST3 FIRST3 MIDDLE3	71	00612	71	01010	71		71		71	MONTEREY	85	81	71
000000004	LAST4 FIRST4 MIDDLE4	08	09097	08	01010	08		08		08	MONTEREY	87	61	08
000000005	LAST5 FIRST5 MIDDLE5	00	09093	00	15010	00		00		00	USNA	77	81	00

REPORT NO: OMFDA20R NAVAL POSTGRADUATE SCHOOL PAGE NO: 99
PREPARED: 04/23/93 US NAVY OFFICER SUBSPECIALTY INVENTORY
(CATEGORIZED BY SUBSPECIALTY, SUFFIX AND NPS ATTENDANCE)

CURRICULUM	SSC	CODE	TRAINING NPS	NON-NPS	TOTAL
WEAPONS SYSTEMS SCIENCES (PHYSICS)	63	D	2	0	2
		G	3	0	3
		P	96	0	96
		Q	19	0	19
*TOTAL SSC 63			120	0	120
TOTAL			5007	262	5269

SUPSPEC CODES:

S = NO MS (EXPER, NOT PROVEN)	R = NO MS (EXPER, PROVEN)
G = LESS THEN MS (NOT PROVEN)	F = LESS THEN MS (PROVEN)
P = MS (NOT PROVEN)	Q = MS (PROVEN)
M = POST-MS (NOT PROVEN)	N = POST-MS (PROVEN)
D = DOCTOR (NOT PROVEN)	C = DOCTOR (PROVEN)

H. TABLE 8: PROGRAM FILES

PROGRAM NAME	DESCRIPTION
STARTSU EXEC	Disconnects the Account for SINK setup.
STARTFOC EXEC	Links user to FOCUS environment.
PROFILE FOCEXEC	Indentifies data base file and executes main menu.
OMFAD10P FOCEXEC	Creates OMFX FOCUS from OMF FIX.
OMFAD11P FOCEXEC	Matches with NPS Student Data Base.
OMFDA000 FOCEXEC	OMF System Main Menu.
OMFDA10P FOCEXEC	Add module.
OMFDA11P FOCEXEC	Modify module.
OMFDA12P FOCEXEC	Delete module.
OMFDA15P FOCEXEC	Add/Modify UIC and BSC transfer.
OMFDA10R FOCEXEC	Listing of officers from OMFX.
OMFDA20R FOCEXEC	Summary of subspecialties from OMFX.
USEOMF FOCEXEC	Sets password and identifies FOCUS file.

APPENDIX B: PROGRAMS

A. STARTSU EXEC

```
CP LINK FOCUS 191 193
ACC 193 D
FILEDEF SYSIN TERM
CP SET RUN ON CP DISCONN
HLIMAIN &SECRETWORD
```

B. STARTFOC EXEC

```
&TRACE OFF
CP LINK FOCUS 191 193
ACC 193 P
CP LINKTO FOCUS 195
GLOBAL TXTLIB FUSELIB
EX FOCUS
&TRACE ON
```

C. PROFILE FOCEXEC

```
EX USEOMF
EX OMFDA000
```

D. OMFAD10P FOCEXEC

```
************************************************************************
* PROGRAM:      OMFAD10P FOCEXEC
* Date:         15 Jan 1993  J. Harr
* Description: This is the initial upload program from an Officer
* Master fixed file provided by DMDC, Bill King.
************************************************************************
-* CMS FILEDEF OMFX DISK OMFX FOCUS D (RECFM F LRECL 890
CMS FILEDEF OMF DISK OMF DATA D (RECFM F LRECL 316
CMS FILEDEF OMFDUPS DISK OMFDUPS DATA A (RECFM F LRECL 316
MODIFY FILE OMFX
CASE TOP
LOG DUPL ON OMFDUPS MSG OFF
LOG INVALID MSG OFF
COMPUTE VALTEST/I1 = ;
COMPUTE ALUM_FLAG/A1   = ;
COMPUTE ALUM_DATE/I4YM = ;
COMPUTE FILE_DATE/I4YY = ;
COMPUTE UIC1_X_TO/A5 = ;
COMPUTE BSC1_X_TO/A5 = ;
COMPUTE PAY1_BACK/A1 =;
COMPUTE SPONS1_NAME/A27 =;
COMPUTE SPONS1_ADDR1/A20 = ;
COMPUTE SPONS1_ADDR2/A20 = ;
COMPUTE SPONS1_ADDR3/A20 = ;
COMPUTE SPONS1_CITY/A20 = ;
COMPUTE SPONS1_ST/A2 = ;
COMPUTE SPONS1_ZIP/A10 = ;
COMPUTE RPT1_DATE/I4YM = ;
COMPUTE UIC2_X_TO/A5 = ;
COMPUTE BSC2_X_TO/A5 = ;
COMPUTE PAY2_BACK/A1 =;
COMPUTE SPONS2_NAME/A27 =;
COMPUTE SPONS2_ADDR1/A20 = ;
COMPUTE SPONS2_ADDR2/A20 = ;
COMPUTE SPONS2_ADDR3/A20 = ;
COMPUTE SPONS2_CITY/A20 = ;
COMPUTE SPONS2_ST/A2 = ;
COMPUTE SPONS2_ZIP/A10 = ;
COMPUTE RPT2_DATE/I4YM = ;
COMPUTE SVC/A3 = ;
COMPUTE NAME_X/A4 = ;
COMPUTE NAME_SHORT/A8 = ;
FIXFORM X5 PR_GRADE/A1 PROMO_STAT/A4 YEAR_GRP/A2
FIXFORM X1 DESIG/A4 X1 SEL_FY/A2 SEL_INCR/A1 SEL_PGM/A1
FIXFORM SEL_CURR/A3 SEL_STAT/A1 X37 BSC/A5
FIXFORM X1 COLLEGE1/A10 X2 YRCOMP1/A2
FIXFORM X1 LEVEL1/A1 MAJOR1/A2 SPEC1/A2
FIXFORM COLLEGE2/A10 X2 YRCOMP2/A2
FIXFORM X1 LEVEL2/A1 MAJOR2/A2 SPEC2/A2
FIXFORM SUBSPEC1/A5 SUBSPEC2/A5 SUBSPEC3/A5
FIXFORM X71 DOD_LOSS_COD/A3 GENDER/A1 X2 PGU_UTIL/A1
FIXFORM UIC_ACTUAL/A5 UIC_PARENT/A5
FIXFORM X67 SSN/A9 NAME/A27 YOS/A1
COMPUTE FILE_DATE = 1991;
COMPUTE ALUM_FLAG/A1 = 'Y';
COMPUTE ALUM_DATE/I4YM = 0;
COMPUTE UIC1_X_TO/A5 = '     ';
COMPUTE BSC1_X_TO/A5 = '     ';
COMPUTE PAY1_BACK/A1 = '0';
COMPUTE SPONS1_NAME/A27 = '                           ';
```

```
COMPUTE SPONS1_ADDR1/A20 = '                    ';
COMPUTE SPONS1_ADDR2/A20 = '                    ';
COMPUTE SPONS1_ADDR3/A20 = '                    ';
COMPUTE SPONS1_CITY/A20 =  '                    ';
COMPUTE SPONS1_ST/A2 = '  ';
COMPUTE SPONS1_ZIP/A10 = '          ';
COMPUTE RPT1_DATE/I4YM = 9201;
COMPUTE UIC2_X_TO/A5 = '     ';
COMPUTE BSC2_X_TO/A5 = '     ';
COMPUTE PAY2_BACK/A1 = '0';
COMPUTE SPONS2_NAME/A27 = '                          ';
COMPUTE SPONS2_ADDR1/A20 = '                    ';
COMPUTE SPONS2_ADDR2/A20 = '                    ';
COMPUTE SPONS2_ADDR3/A20 = '                    ';
COMPUTE SPONS2_CITY/A20 =  '                    ';
COMPUTE SPONS2_ST/A2 = '  ';
COMPUTE SPONS2_ZIP/A10 = '          ';
COMPUTE RPT2_DATE/I4YM = 9201;
COMPUTE SVC = 'NV ';
COMPUTE NAME_X = EDIT(NAME,'9999$$$$$$$$$$$$$$$$$$$$$$$$');
COMPUTE NAME_SHORT = EDIT(NAME,'99999999$$$$$$$$$$$$$$$$$$$$');
VALIDATE
  VALTEST = IF COLLEGE1 EQ 'MONTEREY' OR COLLEGE2 EQ 'MONTEREY'
            THEN 1 ELSE 0;
  ON INVALID GOTO TOP
MATCH SVC
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH SSN
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH UIC_ACTUAL
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH COLLEGE1
  ON NOMATCH INCLUDE
  ON MATCH REJECT
ENDCASE
DATA ON OMF
END
```

E. OMFAD11P FOCEXEC

```
************************************************************************
* PROGRAM:      OMFAD11P FOCEXEC
* Date:         15 Mar 1993  J. Harr
* Description: This upload program updates the OMFX file with the
* navy student match extract.
************************************************************************
-* CMS FILEDEF OMFX DISK OMFX FOCUS D (RECFM F LRECL 890
CMS FILEDEF OMFIT DISK NOMF FOCTEMP T (RECFM F LRECL 316
-* CMS FILEDEF OMFDUPS DISK OMFDUPS DATA A (RECFM F LRECL 316
MODIFY FILE OMFX
CASE TOP
LOG DUPL MSG OFF
LOG INVALID MSG OFF
COMPUTE VALTEST/I1 = ;
COMPUTE ALUM_FLAG/A1   = ;
COMPUTE ALUM_DATE/I4YM = ;
COMPUTE FILE_DATE/I4YY = ;
COMPUTE UIC1_X_TO/A5 = ;
COMPUTE BSC1_X_TO/A5 = ;
COMPUTE PAY1_BACK/A1 =;
COMPUTE SPONS1_NAME/A27 =;
COMPUTE SPONS1_ADDR1/A20 = ;
COMPUTE SPONS1_ADDR2/A20 = ;
COMPUTE SPONS1_ADDR3/A20 = ;
COMPUTE SPONS1_CITY/A20 = ;
COMPUTE SPONS1_ST/A2 = ;
COMPUTE SPONS1_ZIP/A10 = ;
COMPUTE RPT1_DATE/I4YM = ;
COMPUTE UIC2_X_TO/A5 = ;
COMPUTE BSC2_X_TO/A5 = ;
COMPUTE PAY2_BACK/A1 =;
COMPUTE SPONS2_NAME/A27 =;
COMPUTE SPONS2_ADDR1/A20 = ;
COMPUTE SPONS2_ADDR2/A20 = ;
COMPUTE SPONS2_ADDR3/A20 = ;
COMPUTE SPONS2_CITY/A20 = ;
COMPUTE SPONS2_ST/A2 = ;
COMPUTE SPONS2_ZIP/A10 = ;
COMPUTE RPT2_DATE/I4YM = ;
COMPUTE SVC/A3 = ;
COMPUTE NAME_X/A4 = ;
COMPUTE NAME_SHORT/A8 = ;
FIXFORM X5 PR_GRADE/A1 PROMO_STAT/A4 YEAR_GRP/A2
FIXFORM X1 DESIG/A4 X1 SEL_FY/A2 SEL_INCR/A1 SEL_PGM/A1
FIXFORM SEL_CURR/A3 SEL_STAT/A1 X37 BSC/A5
FIXFORM X1 COLLEGE1/A10 X2 YRCOMP1/A2
FIXFORM X1 LEVEL1/A1 MAJOR1/A2 SPEC1/A2
FIXFORM COLLEGE2/A10 X2 YRCOMP2/A2
FIXFORM X1 LEVEL2/A1 MAJOR2/A2 SPEC2/A2
FIXFORM SUBSPEC1/A5 SUBSPEC2/A5 SUBSPEC3/A5
FIXFORM X71 DOD_LOSS_COD/A3 GENDER/A1 X2 PGU_UTIL/A1
FIXFORM UIC_ACTUAL/A5 UIC_PARENT/A5
FIXFORM X67 SSN/A9 NAME/A27 YOS/A1
COMPUTE FILE_DATE = 1991;
COMPUTE ALUM_FLAG/A1 = 'Y';
COMPUTE ALUM_DATE/I4YM = 0;
COMPUTE UIC1_X_TO/A5 = '     ';
COMPUTE BSC1_X_TO/A5 = '     ';
COMPUTE PAY1_BACK/A1 = '0';
COMPUTE SPONS1_NAME/A27 = '                          ';
```

```
COMPUTE SPONS1_ADDR1/A20 = '                    ';
COMPUTE SPONS1_ADDR2/A20 = '                    ';
COMPUTE SPONS1_ADDR3/A20 = '                    ';
COMPUTE SPONS1_CITY/A20 =  '                    ';
COMPUTE SPONS1_ST/A2 = '  ';
COMPUTE SPONS1_ZIP/A10 = '          ';
COMPUTE RPT1_DATE/I4YM = 9201;
COMPUTE UIC2_X_TO/A5 = '     ';
COMPUTE BSC2_X_TO/A5 = '     ';
COMPUTE PAY2_BACK/A1 = '0';
COMPUTE SPONS2_NAME/A27 = '                          ';
COMPUTE SPONS2_ADDR1/A20 = '                    ';
COMPUTE SPONS2_ADDR2/A20 = '                    ';
COMPUTE SPONS2_ADDR3/A20 = '                    ';
COMPUTE SPONS2_CITY/A20 =  '                    ';
COMPUTE SPONS2_ST/A2 = '  ';
COMPUTE SPONS2_ZIP/A10 = '          ';
COMPUTE RPT2_DATE/I4YM = 9201;
COMPUTE SVC = 'NV ';
COMPUTE NAME_X = EDIT(NAME,'9999$$$$$$$$$$$$$$$$$$$$$$$');
COMPUTE NAME_SHORT = EDIT(NAME,'99999999$$$$$$$$$$$$$$$$$$');
MATCH SVC
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH SSN
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH UIC_ACTUAL
  ON NOMATCH INCLUDE
  ON MATCH CONTINUE
MATCH COLLEGE1
  ON NOMATCH INCLUDE
  ON MATCH REJECT
ENDCASE
DATA ON OMFIT
END
```

F. OMFDA000 FOCEXEC

```
-************  REMOVE BEFORE INSTALLATION  ***************
SET PF04 = END
-*************************************************************
-*
-*  Program:  OMFDA000
-*  This is the main menu for the Officer Master File system.
-*
-*  Calls:
-*           OMFDA10P     ADD an Individual Record
-*           OMFDA11P     Modify an OMF Record
-*           OMFDA12P     Delete an OMF Record
-*           OMFDA15P     Add Transfer Data to OMF
-*           OMFDA80R     DISPLAY/PRINT AN INDIVIDUAL(S) RECORD
-*           OMFDA90R     PRINT A SUMMARY REPORT
-*
-*************************************************************
SET PF03 = RETURN
SET PF15 = RETURN
-RUN

-*  Note:  The Service variable (&&SVC) is set to 'NV ' for Navy.
-*****     *****     *****     *****     *****     *****     *****
-SET &&SVC = 'NV ';
-*****     *****     *****     *****     *****     *****     *****

-SET &PFKEY = '     ';
-SET &OPTION = ' ';
-SET &:AAA = '      ';
-SET &:BBB = '      ';
-SET &CURSOR=':AAA';
-START
-CRTFORM
-" "
-"       OOOOOOOOOOOO             MMMM        MMMMM            <0X
-FFFFFFFFFFF"
-"     OOOOOOOOOOOOOOO            MMMM        MMMMM            <0X
-FFFFFFFFFFF"
-"     OO             OO          MM MM       MM MM            FF"
-"     OO             OO          MM  MM      MM  MM           FFFFFFFFF"
-"     OO             OO          MM   Mm  MM   MM             FF"
-"     OO             OO          MM    MMMM    MM             FF"
-"     OOOOOOOOOOOOOOO            MM     MM     MM             FF"
-"       OOOOOOOOOOO              MM             MM             FF"
-"</02  "
-"                          Naval Postgraduate School"
-" "
-"                         OFFICER MASTER FILE SYSTEM"
-"                                   NAVY"
- </02  "
-"                           Press ENTER to continue"
-IF &PFKEY = 'PF03' OR 'PF15' THEN GOTO EXITING;
-BEGIN
-CRTFORM
-"  OMFDA000-1.0                                              <0X
-         <D.&DATE/08"
-"                            Naval Postgraduate School"
-""
-"                            OFFICER MASTER FILE SYSTEM"
-" "
-"                                OMF MAIN EDIT MENU"
```

```
-'</01  "
-"                    1.  Add an Individual Record "
-"                    2.  Modify Individual Record "
-"                    3.  Delete Individual Record "
-"                    4.  Add Transfer Data "
-"                    T.  Report with TABLETALK     "
-" "
-"                    X.  EXIT"
-"                                          Service  --> <0X
-<&:BBB.CD.&&SVC/02>"
-" "
-"   OPTION }<&:AAA.C.&OPTION/01|{              <.HD.&MSG/44"
-SET &GOBACK='BEGIN';
-SET &MSG = '                                                ';
-SET &&MSGFLAG = ' ';
-SET &WHERE=DECODE &OPTION(1 'OMFDA10P'  2 'OMFDA11P'
-                          3 'OMFDA12P'  4 'OMFDA15P'
-                          T 'TABLETALK'
-                          X 'EXITING'
-                          R 'EXIT'
-          ELSE 'ERRORMSG');
-IF &PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
-IF &WHERE EQ 'EXIT' THEN GOTO EXIT;
-IF &WHERE EQ 'EXITING' THEN GOTO EXITING;
-IF &WHERE EQ 'TABLETALK' THEN GOTO TABLERPT;
-*  OMFUSE SETS UP THE OMF DATABASE
-* EX USEOMF
-* -RUN
EX &WHERE
-RUN
SET PF03 = RETURN
SET PF15 = RETURN
-RUN
-GOTO &GOBACK
-*  OPTION T
-TABLERPT
TABLETALK
-RUN
SET PF03 = RETURN
SET PF15 = RETURN
-RUN
-GOTO &GOBACK
-*  OPTION X
-EXITING
SET PF03 = END,PF15 = END
FIN
-EXIT

-ERRORMSG
-SET &MSG = 'OPTION } ' | &OPTION | ' { is incorrect.  Please reenter.';
-GOTO &GOBACK

-ERRORMSG2
-SET &MSG = 'SVC } ' | &&SVC | ' { is incorrect.  Please reenter.';
-SET &CURSOR = ':BBB';
-GOTO &GOBACK
```

G. OMFDA10P FOCEXEC

```
-*************************************************************************
-*  Program:  OMFDA10P
-*  This program is used to input student personnel data not on initial
-*  data base.
-*
-*  Called From:  OMFDA000 FOCEXEC main dirver program menu.
-*  Files:        OMFX FOCUS
-*************************************************************************
 SET PF03 = RETURN
 SET PF15 = RETURN
-RUN
MODIFY FILE OMFX
COMPUTE
    DUM/A1 = ;
    PFKEY/A4 = ;
GOTO BEGIN

CASE BEGIN
COMPUTE
    TSVC/A3 = 'NV ';
    TUIC/A5 = '62271';
    TCOLLEGE/A10 = 'NPS       ';
CRTFORM LINE 01 TYPE 1
"  OMFDA10P-1.1          NAVAL POSTGRADUATE SCHOOL              <0X
   &DATE"
"                        OFFICER MASTER FILE SYSTEM"
"                              ADD SCREEN 1"
" "
"  Create an Officer Master record by entering the following data:"
" "
"                         SSN             <T.SSN/09>"
"                         SVC:            <D.TSVC/03>"
"                         CURRENT UIC:    <D.TUIC/05>"
"                         COLLEGE:        <D.TCOLLEGE/10>"
"</09  "
"                    PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
COMPUTE
      SVC = TSVC;
      UIC_ACTUAL = TUIC;
      COLLEGE1 = TCOLLEGE;
MATCH SVC
    ON MATCH TYPE "SVC MATCH "
    ON NOMATCH TYPE "SVC <SVC NOMATCH "
    ON MATCH CONTINUE
MATCH SSN
    ON MATCH TYPE "SSN <SSN EXISTS "
    ON MATCH REJECT
    ON NOMATCH TYPE "SSN NOMATCH "
    ON NOMATCH GOTO ADDSSN
ENDCASE

CASE ADDSSN
COMPUTE SSN  = SSN;
CRTFORM LINE 01
"  OMFDA10P-1.2           NAVY POSTGRADUATE SCHOOL <0X
        &DATE"
"                         Officer Master File System"
"                                Add Screen 2"
"   SSN:  <D.SSN/09>"
```

```
"   NAME (LAST FIRST MIDDLE):  <T.NAME/27>"
"   GENDER (F/M):  <T.SEX/01>  ESTIMATED TIME IN SERVICE (A3): <0X
<T.ETS/03>"
" "
"   YOS (1 2 3 ):  <T.YOS/01>  PAY GRADE:  <T.PG/01>"
"   PROMOTION STATUS:  <T.PROMO_STAT/04>"
"   YEAR GROUP:  <T.YG/02>  DESIGNATOR:  <T.DESIG/04>"
"   SELECTION YEAR:  <T.SEL_FY/02>  INCREMENT:  <0X
<T.SEL_INCR/01>  PROGRAM:  <T.SEL_PGM/01>"
"   CURRICULUM:  <T.SEL_CURR/01>  STATUS:  <T.SEL_STAT/01>"
"</05  "
"               PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
MATCH SSN
    ON NOMATCH
     COMPUTE NAME_SHORT = EDIT(NAME,'99999999$$$$$$$$$$$$$$$$$');
    ON NOMATCH INCLUDE
    ON NOMATCH GOTO ADDUIC
ENDCASE

CASE ADDUIC
COMPUTE SSN  = SSN;
        UIC_ACTUAL = AUIC;
CRTFORM LINE 01
"  OMFDA10P-1.3          Officer Master File System              <0X
   &DATE"
"                                  Add Screen 3"
"<.HD.NAME/27>"
"Please input UIC data..."
"CURRENT UIC:  <D.UIC_ACTUAL/05>  CURRENT BSC:  <T.BSC/05>"
"Is this a pay back tour or billet:   }<T.PAY1_BACK/01>{"
"(1 = Yes; 2 = School/Training; 3 = Unknown; 4 = No)"
"UIC }<T.UIC1_X_TO/05>{  BSC }<T.BSC1_X_TO/05>{    ETS (YM) }<0X
<T.RPT1_DATE/04>{"
"Sponsor Name }<T.SPONS1_NM/27>{"
"Sponsor Address }<T.SPONS1_ADDR1/20>{"
"                }<T.SPONS1_ADDR2/20>{"
"        City    }<T.SPONS1_CITY/20>{  State }<0X
<T.SPONS1_STATE/02>{  Zip }<T.SPONS1_ZIP/10>{"
"FOLLOWING tour of duty:"
"UIC }<T.UIC2_X_TO/05>{  BSC }<T.BSC2_X_TO/05>{    ETS (YM) }<0X
<T.RPT2_DATE/04>{"
"Is this a pay back tour or billet:   }<T.PAY2_BACK/01>{"
"Sponsor Name }<T.SPONS2_NM/27>{"
"Sponsor Address }<T.SPONS2_ADDR1/20>{"
"                }<T.SPONS2_ADDR2/20>{"
"        City    }<T.SPONS2_CITY/20>{  State }<0X
<T.SPONS2_STATE/02>{  Zip }<T.SPONS2_ZIP/10>{"
"                  PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;

MATCH UIC_ACTUAL
    ON NOMATCH TYPE "AUIC NOMATCH "
    ON MATCH TYPE "AUIC MATCH "
    ON MATCH UPDATE BSC
    ON MATCH GOTO ADDEDU
ENDCASE

CASE ADDEDU
COMPUTE SSN  = SSN;
        COLLEGE1 = COLLEGE1;
CRTFORM LINE 01
```

```
"  OMFDA10P-1.4          Officer Master File System              <0X
   &DATE"
"                                  Add Screen 4"
" "
"<.HD.NAME/27>"
" "
"Please input current graduate data:"
"COLLEGE NAME  }<D.COLLEGE1/10>{     YEAR COMPLETED }<0X
<T.YRCOMP1/02>{"
"Level }<T.LEVEL1/01>{  Major }<T.MAJOR1/02>{       Specialty       }<0X
<T.SPEC1/02>{"
" "
"Please input previous college data:"
"College Name  }<T.COLLEGE2/10>{     Year Completed }<0X
<T.YRCOMP2/02>{"
"Level }<T.LEVEL2/01>{  Major }<T.MAJOR2/02>{       Specialty       }<0X
<T.SPEC2/02>{"
"</05  "
"                    PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
MATCH SSN
    ON MATCH TYPE "COL SSN MATCH "
    ON NOMATCH TYPE "COL SSN NOMATCH "
    ON MATCH CONTINUE
MATCH COLLEGE1
    ON NOMATCH TYPE "** ERROR IN ADDEDU CASE ** "
    ON MATCH TYPE "** <NAME HAS BEEN ADDED TO THE OMF **"
    ON MATCH UPDATE YRCOMP1
ENDCASE

CASE ERRMSG
CRTFORM LINE 1
" *** Record already in data base.  Use Update Menu to MODIFY. ***"
ENDCASE
DATA
END
```

H. OMFDA11P FOCEXEC

```
-*************************************************************************
-*  Program:  OMFDA11P
-*  This program is used to modify student personnel data.
-*
-*  Files:        OMFX FOCUS
-*************************************************************************
 SET PF03 = RETURN
 SET PF15 = RETURN
-RUN
MODIFY FILE OMFX
COMPUTE
    DUM/A1 = ;
    PFKEY/A4 = ;
GOTO BEGIN

CASE BEGIN
COMPUTE
    TSVC/A3 = 'NV ';
    TUIC/A5 = '62271';
    TCOLLEGE/A10 = 'NPS       ';
CRTFORM LINE 01 TYPE 1
"  OMFDA11P-1.1          NAVAL POSTGRADUATE SCHOOL             <0X
   &DATE"
"                        OFFICER MASTER FILE SYSTEM"
"                              Modify Screen 1"
" "
"  Modify an Officer Master record by entering the following data:"
" "
"                         SSN             <T.SSN/09>"
"                         SVC:            <D.TSVC/03>"
"                         CURRENT UIC:    <D.TUIC/05>"
"                         COLLEGE:        <D.TCOLLEGE/10>"
"</09  "
"                    PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
COMPUTE
      SVC = TSVC;
      UIC_ACTUAL = TUIC;
      COLLEGE1 = TCOLLEGE;
MATCH SVC
    ON MATCH TYPE "SVC MATCH "
    ON NOMATCH TYPE "SVC <SVC NOMATCH "
    ON MATCH CONTINUE
MATCH SSN
    ON NOMATCH GOTO ERRMSG
    ON MATCH TYPE "SSN MATCH "
    ON MATCH GOTO MODSSN
ENDCASE

CASE MODSSN
COMPUTE SSN  = SSN;
CRTFORM LINE 01
"  OMFDA11P-1.2           NAVY POSTGRADUATE SCHOOL <0X
        &DATE"
"                         Officer Master File System"
"                                Modify Screen 2"
"   SSN:  <D.SSN/09>"
"   NAME (LAST FIRST MIDDLE):  <T.NAME/27>"
"   GENDER (F/M):  <T.SEX/01>  ESTIMATED TIME IN SERVICE (A3): <0X
<T.ETS/03>"
```

```
" "
"   YOS (1 2 3 ):  <T.YOS/01>  PAY GRADE:  <T.PG/01>"
"   PROMOTION STATUS:  <T.PROMO_STAT/04>"
"   YEAR GROUP:  <T.YG/02>  DESIGNATOR:  <T.DESIG/04>"
"   SELECTION YEAR:  <T.SEL_FY/02>  INCREMENT:  <0X
<T.SEL_INCR/01>  PROGRAM:  <T.SEL_PGM/01>"
"   CURRICULUM:  <T.SEL_CURR/01>  STATUS:  <T.SEL_STAT/01>"
"</05  "
"               PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
MATCH SSN
    ON MATCH
     COMPUTE NAME_SHORT = EDIT(NAME,'9999999$$$$$$$$$$$$$$$$$');
    ON MATCH UPDATE NAME_SHORT NAME FY SEX ETS YOS PG PROMO_STAT
    ON MATCH UPDATE YG DESIG SEL_FY SEL_INCR SEL_PGM SEL_CURR SEL_STAT
    ON MATCH GOTO MODUIC
ENDCASE

CASE MODUIC
COMPUTE SSN  = SSN;
        UIC_ACTUAL = AUIC;
CRTFORM LINE 01
"  OMFDA11P-1.3          Officer Master File System              <0X
   &DATE"
"                                  Modify Screen 3"
"<.HD.NAME/27>"
"Please input UIC data..."
"CURRENT UIC:  <D.UIC_ACTUAL/05>  CURRENT BSC:  <T.BSC/05>"
"Is this a pay back tour or billet:   }<T.PAY1_BACK/01>{"
"(1 = Yes; 2 = School/Training; 3 = Unknown; 4 = No)"
"UIC }<T.UIC1_X_TO/05>{  BSC }<T.BSC1_X_TO/05>{    ETS (YM) }<0X
<T.RPT1_DATE/04>{"
"Sponsor Name }<T.SPONS1_NM/27>{"
"Sponsor Address }<T.SPONS1_ADDR1/20>{"
"                }<T.SPONS1_ADDR2/20>{"
"        City    }<T.SPONS1_CITY/20>{  State }<0X
<T.SPONS1_STATE/02>{  Zip }<T.SPONS1_ZIP/10>{"
"FOLLOWING tour of duty:"
"UIC }<T.UIC2_X_TO/05>{  BSC }<T.BSC2_X_TO/05>{    ETS (YM) }<0X
<T.RPT2_DATE/04>{"
"Is this a pay back tour or billet:   }<T.PAY2_BACK/01>{"
"Sponsor Name }<T.SPONS2_NM/27>{"
"Sponsor Address }<T.SPONS2_ADDR1/20>{"
"                }<T.SPONS2_ADDR2/20>{"
"        City    }<T.SPONS2_CITY/20>{  State }<0X
<T.SPONS2_STATE/02>{  Zip }<T.SPONS2_ZIP/10>{"
"                  PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;

MATCH UIC_ACTUAL
    ON NOMATCH TYPE "AUIC NOMATCH "
    ON MATCH TYPE "AUIC MATCH "
    ON MATCH UPDATE BSC PUIC XUIC1 XBSC1 PAY1_BACK SPONS1_NM
    ON MATCH UPDATE SPONS1_ADDR1 SPONS1_ADDR2 SPONS1_ADDR3
    ON MATCH UPDATE SPONS1_CITY SPONS1_STATE SPONS1_ZIP RPT1_DATE
    ON MATCH UPDATE XUIC2 XBSC2 PAY2_BACK SPONS2_NM
    ON MATCH UPDATE SPONS2_ADDR1 SPONS2_ADDR2 SPONS2_ADDR3
    ON MATCH UPDATE SPONS2_CITY SPONS2_STATE SPONS2_ZIP RPT2_DATE
    ON MATCH GOTO MODEDU
ENDCASE

CASE MODEDU
```

```
COMPUTE SSN   = SSN;
        COLLEGE1 = COLLEGE1;
CRTFORM LINE 01
"  OMFDA11P-1.4          Officer Master File System              <0X
   &DATE"
"                                  Modify Screen 4"
" "
"<.HD.NAME/27>"
" "
"Please input current graduate data:"
"COLLEGE NAME  }<D.COLLEGE1/10>{     YEAR COMPLETED }<0X
<T.YRCOMP1/02>{"
"Level }<T.LEVEL1/01>{  Major }<T.MAJOR1/02>{       Specialty       }<0X
<T.SPEC1/02>{"
" "
"Please input previous college data:"
"College Name  }<T.COLLEGE2/10>{     Year Completed }<0X
<T.YRCOMP2/02>{"
"Level }<T.LEVEL2/01>{  Major }<T.MAJOR2/02>{       Specialty       }<0X
<T.SPEC2/02>{"
"</05  "
"                    PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
MATCH SSN
    ON MATCH CONTINUE
MATCH COLLEGE1
    ON NOMATCH TYPE "** ERROR IN MODEDU CASE ** "
    ON MATCH TYPE "** Record has been modified: <NAME **"
    ON MATCH UPDATE YRCOMP1 LEVEL1 MAJOR1 SPEC1
    ON MATCH UPDATE COLLEGE2 YRCOMP2 LEVEL2 MAJOR2 SPEC2
ENDCASE

CASE ERRMSG
CRTFORM LINE 1
" *** Record NOT in data base.  Use Add Menu to ADD. ***"
ENDCASE
DATA
END
```

I. OMFDA12P FOCEXEC

```
-*************************************************************************
-*  Program:  OMFDA12P
-*  This program is used to delete OMFX records.
-*
-*  Files:         OMFX FOCUS
-*************************************************************************
 SET PF03 = RETURN
 SET PF15 = RETURN
-RUN
MODIFY FILE OMFX
COMPUTE
    DUM/A1 = ;
    PFKEY/A4 = ;
GOTO BEGIN

CASE BEGIN
COMPUTE
    TSVC/A3 = 'NV ';
CRTFORM LINE 01 TYPE 1
"  OMFDA12P-1.1          NAVAL POSTGRADUATE SCHOOL              <0X
   &DATE"
"                        OFFICER MASTER FILE SYSTEM"
"                              Delete Screen"
" "
"  Delete an Officer Master record by entering the following data:"
" "
"                          SSN            <T.SSN/09>"
"</09  "
"                   PRESS PF3/PF15 TO RETURN TO PREVIOUS MENU"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
COMPUTE
      SVC = TSVC;
MATCH SVC
    ON MATCH CONTINUE
MATCH SSN
    ON NOMATCH GOTO ERRMSG
    ON MATCH TYPE "** Record <SSN DELETED.  Enter next SSN or exit. **"
    ON MATCH DELETE
ENDCASE

CASE ERRMSG
COMPUTE SSN = SSN;
CRTFORM LINE 1
" *** RECORD <D.SSN NOT IN DATA BASE. ***"
ENDCASE
DATA
END
```

J. OMFDA15P FOCEXEC

```
-*************************************************************************
-*  Program:  OMFDA15P
-*  This program is used for students to input their UIC and BSC that
-*  they are transferring to.
-*
-*  Files:  OMFX FOCUS -- indexes by SSN
-*************************************************************************
SET PF03 = RETURN
SET PF15 = RETURN
CMS FILEDEF OMFNOSSN DISK OMFNOSSN DATA A (LRECL 100 RECFM FB DISP MOD)
MODIFY FILE OMFX.SSN
LOG NOMATCH ON OMFNOSSN MSG OFF
COMPUTE
    DUM/A1 = ;
    PFKEY/A4 = ;
GOTO BEGIN

CASE BEGIN
COMPUTE
    DOC_NUM/A8 = '';
    AC_NUM/A2 = '';
CRTFORM LINE 01 TYPE 1
"  OMFDA15P-1.0                      SVC &&SVC                <0X
       &DATE"
"                           Officer Master File System"
"                                     Edit Screen"
"</01  "
"                               Enter SSN  }<SSN/09>{    "
"</13  "
"                     PRESS ENTER to Continue or PF3 to Quit"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;
MATCH SSN
    ON NOMATCH TYPE
       "**SSN } <SSN { IS NOT ON FILE**"
    ON NOMATCH REJECT
    ON MATCH GOTO EDINFO
ENDCASE

CASE EDINFO
NEXT UIC_ACTUAL
ON NEXT
CRTFORM LINE 04
"  <.HD.NAME/27>"
"   PLEASE PROVIDE THE FOLLOWING INFORMATION..."
" "
"NEXT tour of duty assignment:"
"UIC }<T.UIC1_X_TO/05>{  BSC }<T.BSC1_X_TO/05>{    ETS (YM) }<0X
<T.RPT1_DATE/04>{"
"Is this a pay back tour or billet:   }<T.PAY1_BACK/01>{"
"(1 = Yes; 2 = School/Training; 3 = Unknown; 4 = No)"
"Sponsor Name }<T.SPONS1_NM/27>{"
"Sponsor Address }<T.SPONS1_ADDR1/20>{"
"                }<T.SPONS1_ADDR2/20>{"
"        City    }<T.SPONS1_CITY/20>{  State }<0X
<T.SPONS1_STATE/02>{  Zip }<T.SPONS1_ZIP/10>{"
"FOLLOWING tour of duty:"
"UIC }<T.UIC2_X_TO/05>{  BSC }<T.BSC2_X_TO/05>{    ETS (YM) }<0X
<T.RPT2_DATE/04>{"
"Is this a pay back tour or billet:   }<T.PAY2_BACK/01>{"
"Sponsor Name }<T.SPONS2_NM/27>{"
```

```
"Sponsor Address }<T.SPONS2_ADDR1/20>{"
"                }<T.SPONS2_ADDR2/20>{"
"        City    }<T.SPONS2_CITY/20>{  State }<0X
<T.SPONS2_STATE/02>{  Zip }<T.SPONS2_ZIP/10>{"
" "
"***PRESS TAB to Next Field, ENTER to Add Data, or PF3 to Quit***"
IF PFKEY EQ 'PF03' OR 'PF15' THEN GOTO EXIT;

    ON NEXT TYPE
 "<40 UIC/BSC INFORMATION UPDATED"
    ON NEXT UPDATE UIC1_X_TO    BSC1_X_TO    PAY1_BACK    SPONS1_NM
    ON NEXT UPDATE SPONS1_ADDR1 SPONS1_ADDR2 SPONS1_ADDR3
    ON NEXT UPDATE SPONS1_CITY  SPONS1_STATE SPONS1_ZIP   RPT1_DATE
    ON NEXT UPDATE UIC2_X_TO    BSC2_X_TO    PAY2_BACK    SPONS2_NM
    ON NEXT UPDATE SPONS2_ADDR1 SPONS2_ADDR2 SPONS2_ADDR3
    ON NEXT UPDATE SPONS2_CITY  SPONS2_STATE SPONS2_ZIP   RPT2_DATE
    ON NONEXT TYPE
 "<40 UIC }<UIC_ACTUAL {  DOES NOT MATCH"
    ON NONEXT GOTO BEGIN
ENDCASE

DATA
END
```

K. OMFDA10R FOCEXEC

```
-* PROGRAM:  OMFDA10R FOCEXEC
-* THIS PROGRAM PRODUCES A LISTING OF KEY ELEMENTS OF OMFX.
-*
-* J. HARR APR 1993
OFFLINE CLOSE
CMS FILEDEF OFFLINE CLEAR
CMS FILEDEF OFFLINE DISK OMFDA10R LISTING T (LRECL 132 RECFM F
TABLE FILE OMFX
"REPORT NO:OMFDA10R         NAVAL POSTGRADUATE SCHOOL
<+14  PAGE NO:  <+4 <TABPAGENO> "
"PREPARED:  &DATE                  NAVY OMFX  "
PRINT SSN NAME
      AUIC AS 'CURRENT,UIC'
      BSC  AS 'CURRENT,BSC'
      XUIC1 AS 'TRANSFER,TO UIC'
      XBSC1 AS 'TRANSFER,TO BSC'
      COLLEGE1 AS 'COLLEGE'
      YRCOMP1 AS 'YEAR,COMP'
      MAJOR1 AS 'MAJOR'
      SPEC1 AS 'SPEC'
BY SVC NOPRINT
END
-RUN
-CMS XEDIT OMFDA10R LISTING T
```

L. OMFDA20R FOCEXEC

```
-* PROGRAM:  OMFDA20R FOCEXEC
-* THIS PROGRAM COUNTS ALL HOLDERS OF SUBSPECIALTIES GRANTED BY
-* NPS REGARDLESS OF WHERE AN OFFICER OBTAINED THEM.  THE REPORT
-* IS GROUPED BY SUBSPECIALTY.
-* AUTHOR:   HOWARD MORTON
-* MODIFIED: J. HARR  APRIL 1993
OFFLINE CLOSE
CMS FILEDEF OFFLINE CLEAR
CMS FILEDEF OFFLINE DISK OMFDA20R LISTING T (LRECL 132 RECFM F
TABLE FILE OMFX
PRINT SUBSPEC1 COLLEGE1 COLLEGE2
IF SUBSPEC1 IS '$$42$' OR '$$43$' OR '$$45$' OR '$$76$'
OR '$$91$' OR '$$89$' OR '$$48$' OR '$$47$' OR '$$49$'
OR '$$41$' OR '$$44$' OR '$$61$' OR '$$63$' OR '$$67$'
OR '$$56$' OR '$$54$' OR '$$55$' OR '$$77$' OR '$$46$'
OR '$$81$' OR '$$71$' OR '$$72$' OR '$$21$' OR '$$22$'
OR '$$23$' OR '$$24$' OR '$$28$' OR '1304$' OR '$$35$'
OR '1306$' OR '1302$' OR '$$17$' OR '$$32$' OR '$$31$'
OR '$$33$' OR '$$95$'
ON TABLE HOLD AS HOWARD
END
DEFINE FILE HOWARD
TRAINING/A7 =IF COLLEGE1 OMITS 'MONTEREY' AND COLLEGE2 OMITS 'MONTEREY'
  THEN 'NON-NPS' ELSE ' NPS';
SSC/A2 = EDIT(SUBSPEC1, '$$99$');
SFX/A1 = EDIT(SUBSPEC1, '$$$$9');
CURRICULUM/A38 = DECODE SSC
   ('42' 'OPERATIONS ANALYSIS'
    '43' 'OPERATIONAL LOGISTICS'
    '45' 'COMMAND, CONTROL AND COMMUNICATIONS'
    '76' 'SPACE SYSTEMSOPERATIONS'
    '91' 'COMPUTER SCIENCE'
    '95' 'COMPUTER SYSTEMS MANAGEMENT'
    '89' 'INFORMATION TECHNOLOGY MANAGEMENT'
    '48' 'METEOROLOGY'
    '47' 'AIR-OCEAN SCIENCES'
    '49' 'OCENAOGRAPHY'
    '44' 'ASW SYSTEMS'
    '61' 'WEAPONS SYSTEMS ENGINEERING'
    '63' 'WEAPONS SYSTEMS SCIENCES (PHYSICS)'
    '67' 'NUCLEAR PHYSICS (WEAPONS AND EFFECTS)'
    '56' 'UNDERWATER ACOUSTICS'
    '54' 'NAVAL/MECHANICAL ENGINEERING'
    '55' 'ELECTRONIC SYSTEMS ENGINEERING'
    '77' 'SPACE SYSTEMS ENGINEERING'
    '46' 'EW SYSTEMS ENGINEERING'
    '81' 'COMMUNICATIONS ENGINEERING'
    '71' 'AERONAUTICAL ENGINEERING'
    '72' 'AERONAUTICAL ENGINEERING-AVIONICS'
    '21' 'NSA - MIDEAST, AFRICA, SOUTH ASIA'
    '22' 'NSA - FAR EAST, SE ASIA, PACIFIC'
    '23' 'NSA - WESTERN HEMISPHERE'
    '24' 'NSA - EUROPE, USSR'
    '28' 'NSA - STRATEGIC PLANNING'
    '04' 'TRANSPORTATION LOGISTICS MANAGEMENT'
    '35' 'TRANSPORTATION MANAGEMENT'
    '06' 'ACQUISITIONS & CONTRACT MANAGEMENT'
    '02' 'SYSTEMS INVENTORY MANAGEMENT'
    '17' 'INTELLIGENCE'
    '32' 'MATERIAL LOGISTICS SUPPORT MANAGEMENT'
```

```
    '31' 'FINANCIAL MANAGEMENT'
    '33' 'MANPOWER, PERS & TRAINING ANALYSIS')
END
TABLE FILE HOWARD
"REPORT NO:OMFDA20R         NAVAL POSTGRADUATE SCHOOL
<+14  PAGE NO:  <+4 <TABPAGENO> "
"PREPARED:  &DATE        US NAVY OFFICER SUBSPECIALTY INVENTORY"
"              (CATEGORIZED BY SUBSPECIALTY, SUFFIC AND NPS ATTENDANCE)"
COUNT SUBSPEC1 ACROSS TRAINING AND ROW-TOTAL AND COLUMN-TOTAL
BY CURRICULUM UNDER-LINE NOSPLIT
BY SSC SUBTOTAL
BY SFX AS 'CODE'
WHERE SFX IS 'S' OR 'R' OR 'G' OR 'F' OR 'P' OR 'Q' OR 'N' OR 'M' OR 'D'
 OR 'C'
FOOTING
"SUPSPEC CODES:"
"S = NO MS (EXPER, NOT PROVEN) R = NO MS (EXPER, PROVEN)"
"G = LESS THEN MS (NOT PROVEN) F = LESS THEN MS (PROVEN) "
"P = MS (NOT PROVEN)           Q = MS (PROVEN)"
"M = POST-MS (NOT PROVEN)      N = POST-MS (PROVEN)"
"D = DOCTOR (NOT PROVEN)       C = DOCTOR (PROVEN)"
END
-RUN
-CMS XEDIT OMFDA20R LISTING T
```

M. USEOMF FOCEXEC

```
SET PASS = XXXXXX
UE OMFX FOCUS A
END
```

APPENDIX C: USERS GUIDE

A. INTRODUCTION

1. This prototype was developed in response to questions posed by Dean Elster regarding status of NPS Navy students after graduation. The instructions will address using the system to update personnel information. The OMF system resides on the NPS Computer Center mainframe.

2. The user needs basic knowledge of a CMS user account and basic knowledge of FOCUS (for TABLETALK). Passwords for logging on to the account can be provided by the Dean of Instruction.

B. LOGGING ON

1. There are two CMS accounts for the OMF system: the data base account and the user account. The data base account must be initiated as a SINK machine in order to provide simultaneous updating of the OMF records.

2. Starting the SINK Machine: The OMF resides on account 5010P. Log on to this account and execute the command STARTSU. This will make the account active as a SINK machine and will log you off automatically.

3. Logging On as a User: For this prototype, user account 5011P is provided. To initiate a session, type STARTFOC. This will put the user in the FOCUS environment and

initiate his PROFILE FOCEXEC to provide the main menu sessions.

C. SYSTEM MENUS

1. A logo will appear on the screen, 'OMF', press ENTER to continue. The main menu provides the user with maintaining and reporting from the OMF data base.

```
OMFDA000-1.0   Naval Postgraduate School
               OFFICER MASTER FILE SYSTEM
                   OMF Main Edit Menu

               1.  Add an Individual Record
               2.  Modify Individual Record
               3.  Delete Individual record
               4.  Add Transfer Data
               5.  Display/Print Individual Records
               6.  Display/Print Summary Report
               T.  Report with TABLETALK

               X.  EXIT
                                Service -- >  NV

          OPTION }  {
```

Figure 1 OMF Main Edit Menu

2. To add or modify an existing record the menus are the same, the actions are different (include / update).

```
OMFDA10P-1.1    Naval Postgraduate School
                Officer Master File System
                       Add Screen 1

Create an Officer master record by entering the following
data:
            SSN:
            SVC:
            CURRENT UIC:
            COLLEGE:
```

Figure 2 Add/Modify Screen

```
OMFDA10P-1.2    Naval Postgraduate School
                Officer Master File System
                       Add Screen 2

SSN:
NAME (LAST FIRST MIDDLE):
GENDER (F/M):           ETS:
YOS (1/2/3) :           PAY GRADE:
PROMOTION STATUS:
YEAR GROUP:             DESIGNATOR:
SELECTION YEAR:         INCREMENT:      PROGRAM:
```

Figure 3 Add/Modify Personnel Data

```
OMFDA10P-1.3    Officer Master File System
                       Add Screen 3

Please input UIC data...
CURRENT UIC:        CURRENT BSC:
Is this a pay back tour or billet:
(1=Yes;2=Sch/Trng;3=Unk;4=No)
UIC:                BSC:        ETS:
Sponsor Name:
Sponsor Address:
FOLLOWING tour of duty:
UIC:                BSC:        ETS:
Is this a pay back tour or billet:
Sponsor Name:
Sponsor Address:
```

Figure 4 Add/Modify UIC/BSC Data

```
OMFDA10P-1.4    Officer Master File System
                        Add Screen 4

Please input current graduate data:
COLLEGE NAME:              Year Completed:
Level:      Major:         Specialty:

Please input previous college data:
COLLEGE NAME:              Year Completed:
Level:      Major:         Specialty:
```

Figure 5 Add/Modify Education

3. To delete a record from the OMF, the following screen requires entering the Navy officer's social security number.

```
OMFDA12P-1.1  Naval Postgraduate School
              Officer Master File System
                    Delete Screen

Delete an Officer Master record by entering the
following data:
            SSN
```

Figure 6 OMF Delete Menu

Messages appear on the bottom of the screen indicating actions taken: Record <SSN> deleted; Record <Name> Added/Modified.

D. REPORTS

1. Two reports are provided for selection on the main menu as Options 5 and 6. The individual and summary report

samples are provided at Appendix B. The TABLETALK report writer is window driven and provides the user an easy tool for producing other reports as required. Knowledge of the FOCUS environment is helpful. The PF3 is a quit key and the TAB is used to go from line to line. Hitting ENTER allows you to see the next menu.

E. LOGGING OFF

1. To end the session on the users account, enter X to exit. To log off the CMS account, enter LOG.

2. Be sure to bring down the SINK when you are finished: Log on to account 5010P and type STOP and press ENTER, then LOG off the account.

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