

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


```
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
```


B. STARTFOC EXEC
&TRACE OFF
CP LINK FOCUS 191 193
ACC 193 P
CP LINKTO FOCUS 195
GLOBAL TXTLIB FUSELIB
EX FOCUS
&TRACE ON

