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USER'S OPERATING PROCEDURES

VOLUME I - SCOUT PROJECT INFORMATION PROGRAMS

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16 Abstract

Volume I: SCOUT PROJECT INFORMATION PROGRAMS

This contractor report is a review of the user's operating procedures for the Scout Project Automatic Data System, called SPADS. SPADS is the result of the past seven (7) years of software development on a Prime mini-computer located at the Scout Project Office, NASA Langley Research Center, Hampton, Virginia. SPADS was developed as a single entry, multiple cross-reference data management and information retrieval system for the automation of Project office tasks, including engineering, financial, managerial, and clerical support. This volume, one (1) of three (3), provides the instructions to operate the Scout Project Information programs in data retrieval and file maintenance via the user friendly menu drivers.

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APPENDICES FOR VOLUME I

1.0 INTRODUCTION

During the research, development and operational phases of the Scout Project, large quantities of documentation are generated to describe analytical studies and correspondence from mission definition through postflight analysis. These documents take the form of engineering reports, drawings, parts inventories, financial analyses, procedures, specifications, test results, and contractual reports.

The Scout Project Automatic Data System, SPADS, was developed as a single entry, multiple cross-reference filing system. It was implemented to improve the overall management efficiency by:

a) reducing the number of man hours required to retrieve data from files

b) providing for full data availability with quick retrieval during vehicle anomaly investigations

c) answering inquiries from NASA Headquarters and outside agencies for information on a Scout vehicle

d) helping alleviate a rapidly growing storage problem.

SPADS was expanded in 1981 to include program support for the Projects Directorate. These programs store and maintain drawings, parts inventories, mail correspondence, processing documents, and conference registration data. Secretarial support is also provided through PRIME'S Office Automation System.

This document is intended to provide the Operating Procedures required for a user to access the SPADS programs and retrieve data based on various query parameters, and for maintaining the SPADS data files. Input, Update, Delete, Search, and Report operations will be described and illustr-

ated for each of the SPADS programs. The following sections are designed to demonstrate the menu driven, user friendly methods by which a user is to operate with a PT65. A PT65 is a PRIME terminal specialized for use in word processing. Of course, other terminals may be used. The Scout Office currently uses seven (7) other terminal types.

The Input, Update, and Delete operations are privileged commands and require some type of security clearance for use. A file maintenance procedure referred to as the Rebuild option or the Sort & Housekeeping option is a non-privileged command, but does reside in a privileged area within the Alpha Numeric Drawings file and the Cross Reference Index file.

The privileged commands are protected in one of two ways: the Motor file, History file, Property file, Cross Reference Index, Alpha Numeric Drawings file, Daily Work Items file, Scheduler file, and Conference Registration file all require a password; the Mail Log file, Analysis file, Change Requests file, DIR / Reports file, and Mark Up file all check internally for clearance on a specific user ID. Please note that passwords will not be printed within this document.

1.1 SECTION DESCRIPTIONS

The purpose of this section is to give a brief description of each of the following sections of this document.

VOLUME I SECTION DESCRIPTIONS

2. BASIC OPERATIONS : Login, Program Entry, Input Screens and Forms, Update Screens and Forms, Error Messages, and Logout procedures.

3. SPECIAL OPERATIONS : Spooling and Emergency / Recovery procedures, Archive and Quickie operations.

4. OFFICE AUTOMATION : OAS Entry Menu from the SPADS Master Menu.

5. TELEMAIL NETWORK : Entry and Exit procedures, Document transfer operations.

6. MAIL LOG : All operating procedures for SPO's Daily Mail Correspondence.

7. MOTORS : All operating procedures for the Motor stack inventory information containing a complete Parts Inventory as well as Costs / Contracts for vehicles 192 and subsequent.

8. HISTORY : All operating procedures for the Historical Information for all launched Scout vehicles. Data includes: Configurations, Motors, Orbital results, Contracts, & Reference sources.

9. CHANGE REQUESTS : All operating procedures for CR's.

10. DIR / REPORTS : All operating procedures for Design Information Releases and other Reports.

11. PROPERTY : All operating procedures for the Government Furnished Property Inventory Files built from Contract NAS1-14950, Motor Parts Inventory, and Subcontractor Property Inventories.

12. CROSS INDEX : All operating procedures for the Standard Operating Procedures (SOP) Cross Reference Index.

13. ALPHA NUMERIC : All operating procedures for the Drawings and Specification Listing File.

14. MARK UP : All operating procedures for the Mark Up tracking documents on Change Requests.

15. DAILY WORK ITEMS : All operating procedures for the DWI's from launch sites.

16. SCHEDULER FILE : All operating procedures for the personnel activity file.

17. REGISTRATION FILE : All operating procedures for the Conference Registration file for the Scout Project Office

VOLUME II SECTION DESCRIPTIONS

1. INTRODUCTION : Analysis data bases for financial contracts NAS1-9258, 10000, 11000, 11400, 12500, 13100, 14200, 15000, 15100, 16200, 18100, and 18200.

2.	BASIC OPERATIONS	:	Login, entering Analysis, record field descriptions, error messages and logout procedures.
3.	SPECIAL OPERATIONS	:	Spooling and emergency / recovery procedues.
4.	RETRIEVE	:	All operating procedures and examples for selecting a record from the Analysis data base using various search and retrieve criteria.
5.	INPUT	:	All operating procedures and examples for inputting a new data record.
6.	BOOK PART	:	All operating procedures and examples for data base query and output of retrieved records.
7.	REPORT	:	All operating procedures and examples for generating various specialized reports.
8.	UPDATE	:	All operating procedures and examples for updating the financial data base and all supporting lookup tables.
9.	RATETABLE	:	All operating procedures and examples for using the rate table as an ad hoc calculator.

VOLUME III SECTION DESCRIPTIONS

1.	INTRODUCTION	:	Projects Directorate data base application programs and associated operating procedures for the Office Automation system.
2.	BASIC OPERATIONS	:	Login, program entry, input screens and forms, update screens and forms, error messages, and logout procedures.
3.	SPECIAL OPERATIONS	:	Spooling and emergency / recovery procedures, archive and quickie operations.
4.	OFFICE AUTOMATION	:	OAS entry menu from the Main Selection menu.
5.	TELEMAIL NETWORK	:	Entry and exit procedures, document transfer operations.

6.	MAIL LOG CORRESPONDENCE	:	All operating procedures for Projects' daily Mail Log Correspondence and Configuration Change Requests (CCR's).
7.	MECHANICAL DRAWINGS	:	All operating procedures for the Mechanical Drawings for UARS / ERBE projects which contain drawing information, specifications, and a complete parts inventory.
8.	ELECTRICAL DRAWINGS	:	All operating procedures for the Electrical Drawings for the UARS / ERBE project which contain drawing information and a complete parts inventory.
9.	FIPPS PROCESSING	:	All operating procedures for the FIPPS / Processing documents for the HALOE and ERBE projects.
10.	ACEE CONFERENCE REG.	:	All operating procedures for the Composite Structure Conference registration for the ACEE project.
11.	LSAST CONFERENCE REG.	:	All operating procedures for the Large Space Antenna Systems Technology Conference Registration for the LSAST project.
12.	ERBE CONFERENCE REG.	:	All operating procedures for the Earth Radiant Budget Experiment Conference Registration and LOGO order accounting for the ERBE project.

2.0 BASIC OPERATING PROCEDURES

The purpose of this section is to provide a description of the terminal actions the user must perform in order to Login tc the PRIME 750 computer system, select a program from the SPADS menu, and then exit the system. Note that all user actions are terminated with a carriage return, designated by the key marked RETURN on the terminal. Input screens and forms, Update screens and forms, and error messages will also be discussed.

2.1 LOGIN

User actions for login are displayed below. XXX represents the user's initials, N is the terminal line number, HR, MN, and SC are the time the user entered the system in hours, minutes, and seconds, and MM, DD, and YY are the month, day, and year. See the example below:

```
OK, LOGIN PLEASE

  LOGIN XXX
  Password?

XXX (USER N) LOGGED IN  DAY, DD MM YY  HR:MN:SC
Welcome to PRIMOS version REV#.
Last login  Day, DD MM YY  HR:MN:SC

HI !,

ENTER PASSWORD >
```

Note that for security reasons the PASSWORDs are not visible on the terminal screen. If no PASSWORD has been assigned, simply hit the Carriage Return. An incorrect first PASSWORD will result in the following error message: Invalid user id or password; please try again.
An incorrect second PASSWORD will result in an ** error ** message with up to three retries. On the third incorrect attempt, the system will automati-

cally log the user off the system. If the LOGIN and PASSWORD procedures are performed correctly, the user will see a display of the SYSTEM NEWS on the terminal. The SYSTEM NEWS is a short description of any special events affecting operations of the computer system. See the example below:

```
                    SYSTEM NEWS
                    ===========

    ************************************************
    *      PRIME  MONTHLY  PREVENTIVE  MAINTENANCE    *
    *            NOW SCHEDULED FOR THE FIRST          *
    *     MONDAY OF EACH MONTH ... 7 TO 9 AM (EST)    *
    ************************************************
```

2.2 PROGRAM ENTRY

After system LOGIN is completed, the user must specify the program selection from the SPADS Master Menu displayed on the terminal screen as displayed below. In the 'WELCOME' acknowledgement to the user AAAAAA represents the first name. See Example below:

```
 Welcome AAAAAA    to the PRIME 750  SPADS Main Menu

The following is a list of programs for the Scout Project Office
*********************************************************************
( 0)  Logout Menu                       ( 1)  Change Request
( 2)  Dir / Report                      ( 3)  Motor Information
( 4)  Office Automation                 ( 5)  Mark Up's / CR'S
( 6)  Program Development               ( 7)  Scheduler System
( 8)  Contracts Analysis                ( 9)  Mail Log Correspondence
(10)  Property Inventory                (11)  History Information
(12)  Cross Refer. Index                (13)  Alpha Numeric Index
(14)  Daily Work   Items                (15)  Conference Registration
(16)  Pilot Study - Future Program      (17)  TeleMail Network
---------------------------------------------------------------------
Enter Option Number >  8
```

2.3 PROGRAM EXIT

To leave the program the user must enter a zero as shown in the menu. Note that in most cases a Carriage Return is interpreted as a zero

entry. Exit from a menu returns the user to the previous menu until the SPADS Exit Menu is reached. The user can then display the spool queue, display all users, send or receive a message, return to the SPADS Master Menu, or Logout. These options are discussed in further detail in section 3.2 of this document.

2.4 ENTRANCE TO PRIVILEGED AREAS

All users must legally enter the program privileged routines either by entering the correct password for a particular operation or by having the correct user ID clearance. The following examples illustrate the error messages generated when a user does not have proper clearance. In both cases the user is returned to the program main menu.

Example #1 - entering an incorrect password:

```
  MOTOR PROGRAM MAIN MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input    Menu
 2.  Update   Menu
 3.  Delete   Menu
 4.  Report   Menu
 5.  Search   Menu

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

    ENTER PASSWORD > WRONG

    YOU ARE NOT CLEARED FOR THIS COMMAND !!!!!!!!!!!!

  MOTOR PROGRAM MAIN MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input    Menu
 2.  Update   Menu
```

```
3. Delete   Menu
4. Report   Menu
5. Search   Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Example #2 - having the incorrect user ID clearance:

```
  SCOUT PROJECT OFFICE  :   Mail Log Correspondence
  ================================================

  Available Options are as follows:

  (0)  Exit     - quit program (Return)
  (1)  Input    - add new record to file
  (2)  Update   - revise or delete record
  (3)  Search   - query & retrieve records
  (4)  Archive  - purge & save old records

       Enter Option >1

SORRY, YOU ARE NOT VALIDATED TO USE THIS MODE.
IF IT IS NECESSARY, PLEASE CONTACT SYSTEM ADMINISTRATOR.

  SCOUT PROJECT OFFICE  :   Mail Log Correspondence
  ================================================

  Available Options are as follows:

  (0)  Exit     - quit program (Return)
  (1)  Input    - add new record to file
  (2)  Update   - revise or delete record
  (3)  Search   - query & retrieve records
  (4)  Archive  - purge & save old records

       Enter Option >
```

2.5 INPUT OPERATIONS

The purpose of this section is to describe the procedures used for inputting new records into the data base.

2.5.1 INFO INPUT SCREENS

The following programs use INFO input screens for their input mode

of operation: Motor Information file, History Information file, Government Furnished Property file, Cross Reference Index file, Alpha Numeric Drawing file, Daily Work Items file, Scheduler file, and Conference Registration file. As the data is entered for each field, a carriage return will place the cursor in position to enter data into the next field. If several records are being input and the data for a particular field is identical to the data for that same field in the record that was input previously, pressing the tab key at that field position will enter the same data for that field and then position the cursor at the next field on the input screen. The tab key is also useful in skipping a field that is to remain blank and positioning the cursor to the next field. If all the desired fields have been filled and the user wishes to exit from the record without using the return or tab key at each field, the user may press the COMMAND key and 'A' simultaneously. When this is done, or when the user is completely finished inputting data for that record, the following message will appear at the terminal screen:

IS THIS RECORD ACCEPTABLE (Y,N,Q,L or E) >

where the Y stands for YES, the N stands for NO, the Q stands for QUIT, the L stands for LAST and the E stands for EXIT. If a "Y" response is selected the record will be added to the data base and an empty input screen will be displayed for additional input. If an "N" response is selected the cursor will be positioned at the first field ir the record and the user may tab to the incorrect field for re-input. If a "Q" response is selected the record will not be added to the data base and an empty input screen will be displayed for additional input. If an "L" response is selected the record will be added to the data base and the user is exited from the input screen. If an "E" response is selected the record will not be added to the data base and the user is exited from the input screen.

2.5.2 FORTRAN INPUT FORMS

The following programs use FORTRAN input forms in their input mode of operation: Mail Log file, Change Request file, DIR / Report file and Mark Up file. All data field entries must be placed between exclamation points, one line (or one field) at a time. For example,

#3) AUTHOR
    !   !

When all the data has been entered for a record, the entire record will be displayed along with the prompt RECORD CORRECT (COR OR REV) >. If the user responds with "COR" the record will be added to the data base. If the "REV" response is selected the system will prompt for the number of fields, and which fields, that are to be corrected.

2.6 UPDATE OPERATIONS

The purpose of this section is to describe the procedures used to update or revise a record within the data base.

2.6.1 INFO UPDATE SCREENS

All INFO update screens are identical to their corresponding input screens. The user must press the tab key to position the cursor to the field that is to be updated. A return will enter the new value for that field and will position the cursor to the next field. When updating is completed and either the tab key is pressed through all the fields present on the update screen, or the COMMAND key and 'A' are pressed simultaneously, the following message will be displayed at the terminal screen:
IS THIS RECORD ACCEPTABLE (Y,N,Q,L or E) > in which Y, N, Q, L, and E

represent the same options that are discussed in section 2.5.1.

2.6.2 FORTRAN UPDATE FORMS

FORTRAN update forms are generated similarly to the FORTRAN input forms. Data is entered between exclamation points one line (or one field) at a time. For further details refer to section 2.5.2 of this document.

2.7 ERROR MESSAGES

Some data field values are checked internally for accuracy. If an incorrect value is entered, an error message is displayed at the terminal screen, and the user is required to reenter the value.

2.8 SYSTEM EXIT / LOGOUT

System LOGOUT is always accomplished with the ZERO option on every menu throughout the SPADS system. Note that the user will always be given an opportunity to LOGOUT prior to returning to the SPADS Master Menu. See the example below:

```
==========================================================================
                          (0) LOGOUT
        (9) DISPLAY SPOOL QUEUE      (69) SEND   MESSAGE  TO  USER
       (19) DISPLAY  ALL  USERS      (79) ANSWER MESSAGE FROM USER
                 (99) RETURN TO SPADS MAIN MENU
==========================================================================
        OPTION: SPADS / LO >  0

 XXX   (N) Logged Out   MMDDYY   HR:MN:SC
Where XXX, N, MM, DD, YY, HR, MN, and SC are the same as in Section 2.1.
```

The zero (0) option on the SPADS main menu (see page 5) displays a logout menu rather than performing a system logout. This menu appears as follows:

```
The following is a list of LOGOUT Options
==========================================
(0)  Return to SPADS Menu
(1)  Logout Current Terminal
(2)  Logout Other Terminals with same User ID

Enter Option Number >
```

Option 0 returns the user to the SPADS main menu. Option 1 performs a system logout on the terminal at which the user is currently logged in. Option 2 performs a system logout on all other terminals at which the user is logged in with the same User ID. This option is very useful in cases such as a PT65 terminal with a locked keyboard needing to be force logged out. Rather than calling the system administrator, the user may login to another terminal, go into the logout menu, and select option 2. A message confirming the logout of another terminal will be displayed, such as: User 11 logged out. If no other terminals are logged in using the same User ID and option 2 is selected, the user will be returned to the SPADS main menu.

3.0 SPECIAL OPERATIONS

This section will discuss Special Operating Procedures such as Spooling, Special Menu Options, Emergency / Recovery procedures, Archive and Quickie operations.

3.1 PRINTOUT SPOOLING

All SPADS programs display a series of questions upon request to get a hard copy of a listing or report by the user. This printing process is called SPOOLING. Note that the SYSTEM PRINTER located in the Scout Project Computer Room is approximately 25 times faster than any of the LETTER QUALITY PRINTERS, LQPs, on the system. Vought Corporation in Dallas, Texas also has a system printer which is designated as 'W' . This Printronix line printer is half the speed of the Scout system printer. The LQP's designated to have long computer paper are LQP A (located in Room 109B of the Scout Project Office) and LQP T (located in Vought Corp., Dallas, Texas).

All other LQP's are designated as single sheet word processing printers. Due to their slow speed, the LQP's should spool a large printout or a large number of copies only in the case of an emergency.

The user first responds to the type of printer to which the desired output is to be spooled. A zero entry is used to cancel the output desired. The user is then asked to give the number of copies to be printed. The maximum number of copies allowed is five (5). A zero entry again cancels the output desired. See the Example of the Spooling Process on the following page.

```
      ================
        SPOOLING MENU
      ================

       OUTPUT TO :
     0)  NO OUTPUT !!!
     1)  SCOUT  PROJECT OFFICE / LARC, NASA
     2)  VOUGHT CORPORATION    / DALLAS, TX
     3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER >
```

Option number 1 generates the menu for the Scout Office printer options :

```
       OUTPUT TO :
        0)  START OVER
        1)  LQP A - COMPUTER PAPER
        2)  LQP B - SINGLE   SHEET
        3)  LQP G - DUAL     SHEET
        4)  SCOUT   SYSTEM   PRINTER

ENTER OPTION NUMBER >
```

Option number 2 generates the menu for the Vought Corp. Dallas office printer options :

```
    OUTPUT TO :
        0) START OVER
        1) LQP S - SINGLE   SHEET
        2) LQP T - COMPUTER PAPER
        3) DALLAS  SYSTEM   PRINTER / W

ENTER OPTION NUMBER >
```

Option number 3 generates the menu for the Projects Directorate printer options :

```
    OUTPUT TO :
        0)  START OVER
        1)  LQP C - SINGLE   SHEET
        2)  LQP D - SINGLE   SHEET
        3)  LQP E - SINGLE   SHEET
        4)  LQP F - SINGLE   SHEET
        5)  ETI     SYSTEM   PRINTER / H
```

```
ENTER OPTION NUMBER >
```

The Zero (0) option or the Scout printer, the Dallas printer, and the Projects Directorate printer menus will restart the main spool menu.

After the desired printer option has been chosen, a prompt for entering the number of copies appears as follows :

```
ENTER NUMBER OF COPIES >
  (MAX.  OF  5)
  (0  TO  ABORT)
```

A 'NO OUTPUT SPOOLED !!!!!' message appears on the terminal screen on either Zero (0) entry explained previously.

OAS Spooling is a different function from the SPADS Application programs and is briefly discussed in section 4 - OFFICE AUTOMATION.

3.2 SPECIAL MENU OPTIONS

The following menu is displayed at the terminal screen when any SPADS program is exited cleanly:

```
==========================================================================
                          (0) LOGOUT
        (9) DISPLAY SPOOL QUEUE      (69) SEND   MESSAGE  TO  USER
       (19) DISPLAY  ALL  USERS      (79) ANSWER MESSAGE FROM USER
                (99) RETURN TO SPADS MAIN MENU
==========================================================================
```

Option 0 performs a system logout. An example of this is provided in section 2.8 of this document.

Option 9 provides a list of printouts in the spool queue:

```
ENTER OPTION > 9

[SPOOL rev 19.1.0]
```

```
 user  prt  time  name              size  opts/#   form  defer  at: PRO
------ --- ----- ---------------- ----- ------ ------ ----- -------------
CGH    001* 8:39  BASIC               3
CGH    002* 8:39  HIST                6  F    2  COMP          A
DKH    003  8:42  BOOK               27  F

* means file being printed.
```

Option 19 provides a list of users currently on the system:

```
ENTER OPTION > 19

User                              No  Line Devices
SYSTEM                             1   asr <COMDEV>
CGH                                2     0 <SPODEV>
CL1                                6     4 <PRJDEV> <OASDEV>
CH1                                9     7 <PRJDEV> <OASDEV>
PMK                               10    10 <SPODEV> <OASDEV>
DKH                               12    12 <USRDEV>
GMG                               17    17 <SPODEV> <OASDEV>
FS2                               28    32 <SPODEV> <OASDEV>
```

Option 69 allows the user to send a multiple line message to another user currently logged into the system. This option may also be invoked by option 11 on the OAS main menu (see section 4.0 of this document). A list of currently available users will be displayed on the terminal screen along with a list of available commands. The appropriate user ID must then be entered. The system will then 'call' the desired user, who must answer the call before the message may be sent. If the user does not answer his 'ring', an opportunity will be given to call again or exit the routine. At the prompt 'SEND>', type the message. Multiple lines may be entered. To end the message, press ts the 'CMND' or 'CONTROL' key and the 'E' key simultaneously, and then enter a carriage return. This must be the first character entered at the 'SEND>' prompt. To exit the routine, press the 'CMND' key or the 'CONTROL' key and the 'P' key simultaneously, and enter option 4 on the menu. See the following example.

```
ENTER OPTION > 69

.................ACTIVE USER LIST.................

CGH                     DPB                     DKH
SL1                     GMG                     PMK
CH1                     CL1                     PH1


      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD>1
WHO DO YOU WISH TO CALL
*
GMG
ONE MOMENT PLEASE...
*
PHONE IS RINGING...
*

YOUR PARTY IS NOT RECEIVING CALLS AT THIS TIME !

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD>3

.................ACTIVE USER LIST.................

 CGH                    ABR                     DKH
 SL1                    GMG                     PMK
 CH1                    CL1                     FS2

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD>1

WHO DO YOU WISH TO CALL
*
CGG
```

```
ONE MOMENT PLEASE...

*
PARTY NOT LOGGED IN !

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD>1
WHO DO YOU WISH TO CALL
*
CGH
ONE MOMENT PLEASE...
*
PHONE IS RINGING...
*
YOUR PARTY IS NOT RESPONDING...CONTINUE WAITING(Y/N)
Y
*
WAITING...
*

TYPE CNTL  -P-  TO HANGUP PHONE
*
TYPE CNTL  -E-  TO END MESSAGE
SEND>THIS IS A TEST MESSAGE
SEND>THIS IS THE LAST LINE OF THE MESSAGE
SEND>(* CNTL E * return *)
*
DATA SENT....WAITING FOR RESPONSE
**************************************************************************

THANK YOU FOR MESSAGE.  GOODBYE.
**************************************************************************

TYPE CNTL  -P-  TO HANGUP PHONE
*
TYPE CNTL  -E-  TO END MESSAGE
SEND>(* CNTL E * return *)
*
LINE DISCONNECTED
*

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT
```

```
CMD> 4
```

Option 79 allows the user to receive a multiple line message from another user currently logged into the system. This option is also invoked by option 12 on the OAS main menu (see section 4.0 of this document). When a user receives the following message:

```
'*** XXX (user #) AT HH:MM
INCOMING CALL ... TYPE PHONE !'
```

where XXX is a user ID and HH:MM is the time in hours and minutes, this indicates that the user, after exiting his current program, should type '79' at the Exit menu. A list of the currently available users will be displayed on the terminal screen, along with a list of available commands. Next, 'PLEASE HOLD ... INCOMING CALL' will be displayed. A longer message may take several minutes to be typed in by the sender. After the message has been sent, the prompt 'SEND>' will appear, at which a reply may be sent. This operation is described under option 69 in the previous paragraph. See the following example.

```
ENTER OPTION > 79

.................ACTIVE USER LIST.................

CGH                     DCM                     DKH
SL1                     GMG                     PMK
CH1                     CL1                     FS2

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD>2
*
PLEASE HOLD...INCOMING CALL
```

```
**************************************************************************

THIS IS A TEST MESSAGE
THIS IS THE LAST LINE OF THE MESSAGE
**************************************************************************

TYPE CNTL  -E-  TO END MESSAGE
*
TYPE CNTL  -P-  TO HANGUP PHONE

SEND>THANK YOU FOR MESSAGE.  GOODBYE.
SEND>(* CNTL E * return *)

DATA SENT...WAITING FOR RESPONSE
*
LINE DISCONNECTED
*

      AVAILABLE COMMANDS

         1. CALL
         2. ANSWER
         3. ACTIVE USERS
         4. DISCONNECT

CMD> 4
```

Option 99 restarts the SPADS Main Menu. See section 2.2 of this document for an illustration of this menu.

3.3 EMERGENCY / RECOVERY

If an error should occur the following procedures have been designed to allow the user to recover and continue SPADS operations.

3.3.1 SOFTWARE / OPERATOR ERRORS FOR SPADS

If an error occurs and sends the user out of a SPADS program into the PRIME 750 Operating System, the following message will be displayed: ERROR: C ALL / SPADS. The user should then type 'C ALL' and Return. This step is very important to the recovery procedure since it closes all open files the user was using. The user should then type 'SPADS' and Return to

restart the SPADS Master Menu.

If the following SPADS programs: MOTOR, HISTORY, PROPERTY, CROSS REFERENCE INDEX, ALPHANUMERIC DRAWINGS, DAILY WORK ITEMS, SCHEDULER, or CONFERENCE REGISTRATION have been selected and an error occurs, the user will see 'ENTER COMMAND >'. The user should type 'Q STOP' and RETURN in order to cleanly exit.

3.3.2 FILE IN USE

All SPADS programs allow only one user at a time within a data file area. When a user attempts to select a program that another user has accessed a 'FILE IN USE' message will be displayed on the screen. If the following SPADS programs: MAIL LOG, ANALYSIS, DIR, CR, or MARKUP's have been selected the user will be given a menu as shown below. If the MOTOR, HISTORY, PROPERTY, CROSS REFERENCE INDEX, ALPHA NUMERIC DRAWINGS, DAILY WORK ITEMS, SCHEDULER, or CONFERENCE REGISTRATION programs have been selected, the prompt 'ENTER USER NAME>' will appear on the terminal screen. The user should type 'STOP' and RETURN. This will be followed by the menu shown below:

```
==========================================================================
                          (0) LOGOUT
      (9) DISPLAY SPOOL QUEUE      (69) SEND   MESSAGE  TO  USER
     (19) DISPLAY  ALL  USERS      (79) ANSWER MESSAGE FROM USER
               (99) RETURN TO SPADS MAIN MENU
==========================================================================
```

3.4 EMERGENCY / RECOVERY FOR OAS

If an error should occur within the Office Automation System the following procedures have been found to help the user to recover and to continue operations. OAS generally traps most operator errors and provides

internal recovery automatically. This section is designed to demonstrate procedures which are not taught in PRIME's OAS training class.

3.4.1 SOFTWARE / OPERATOR ERRORS

If an error occurs which totally locks up a terminal keyboard or blanks out a document on a terminal screen, the user should try the following steps:

(1) While holding down the COMMAND key hit the P key 3 times. OAS should respond with a message at the bottom of the screen. If not, proceed to step 2.

(2) Turn terminal power off, then back on. Hit the Return key and then repeat step 1.

This procedure should produce the following message at the bottom of the screen: '(E) TO EXIT RETURN TO OAS MENU'. The user should always respond with the E option followed by 'C ALL', and then 'SPADS'. Note that the PT65 terminal must be DOWNLINE LOADED for OAS operation.

3.5 ARCHIVE OPERATION

The Archiving procedure is used to create a file containing those records which are considered to be obsolete based on various criteria, but are not to be deleted from the data base. This procedure is used in the Mail Log file, the Change Requests file, the DIR file, and the Mark Up file, and is discussed in further detail in sections 6.8, 9.8, 10.8, and 14.8 of this document.

3.6 QUICKIE OPERATION

The Quickie procedure is a multi-record method of updating selected

records in the Change Requests data file and in the Mark Up data file. This procedure is discussed in further detail in sections 9.10, and 14.10 of this document.

4.0 OFFICE AUTOMATION SYSTEM

OAS is option number 4 on the SPADS Master Menu. When this option is taken, the following Menu is displayed on the terminal.

```
=======================================
 WELCOME TO THE OFFICE AUTOMATION SYSTEM
=======================================
  (0)  Logout   Menu
  (1)  OAS      Menu
  (2)  ATM      Menu
  (3)  Downline Load PT65  ONLY
  (4)  Downline Load PT65, Then OAS Menu

  (5)  Check USER  Status
  (6)  Check SPOOL  QUEUE   Status
  (7)  Cancel SPOOLED Output File
  (8)  'PUSH'  BLANK  page to LQP

  (9)  Display SYSTEM News
 (10)  Display  OAS   News
 (11)  Send   Message  to  User
 (12)  Answer Message from User

 (55)  OAS Administrator Functions
 (77)  Telemail Network
 (99)  Return to SPADS MAIN Menu

  Enter Option:
```

Option 0 generates the logout menu, which displays all line numbers on which the user is logged in with the same User ID, along with the line number on which the user is currently logged in. The user must then enter the line number that is to be logged out: either that for the current terminal, or for another terminal. This procedure is very useful in cases such as a locked keyboard on a PT65 terminal which needs to be force logged out. Rather than calling the system administrator, the user may login to another terminal, access the logout menu, and logout the problem terminal. See the example below:

```
Enter Option:  0

User                            No Line Devices
CGH                              2    0 <OASDEV><COMDEV><USRDEV>
CGH                             11   11 <SPODEV><USRDEV>

You are currently logged in on User Line Number    2

Enter user line number to be logged out: 16

Can't log user 16 out.

(Back to OAS menu)

Enter Option:  0

User                            No Line Devices
CGH                              2    0 <OASDEV><COMDEV><USRDEV>
CGH                             11   11 <SPODEV><USRDEV>

You are currently logged in on User Line Number    2

Enter user line number to be logged out:  ** return **

*************** No Logout Performed

(Back to Oas menu)

Enter Option:  0

User                            No Line Devices
CGH                              2    0 <OASDEV><COMDEV><USRDEV>
CGH                             11   11 <SPODEV><USRDEV>

You are currently logged in on User Line Number    2

Enter user line number to be logged out:  11

*************** Requested User Line Number Logged Out

(Back to OAS menu)

Enter Option:  0

User                            No Line Devices
CGH                              2    0 <OASDEV><COMDEV><USRDEV>

You are currently logged in on User Line Number    2

Enter user line number to be logged out:  2

CGH (user 2) logged out Friday, 20 Jul 84 10:34:48.
Time used:  02h 32m connect, 07m 04s CPU, 01m 34s I/O
```

If the PT65 has already been 'DOWNLINE LOADED', then Option 1 will take the user directly into the OAS Main Menu. A special note on Option 1: If the PT65 terminal has lost its 'LOAD', the OAS system will ask for the terminal type (pt65, pt45, pt45AA, pt25, pst100, fox, owl, tty) ID code. DO NOT enter pt65 because of possible recovery problems. Recovery steps are as follows: (a) enter terminal type 'tty', (b) enter user ID and password as usual, (c) when OAS asks 'Enter Option: >' exit with a 9, (d) the above menu should again be displayed and Option 4 should be performed to reinitialize the DOWNLINE LOADING process.

Option 2 provides entry into the Advanced Text Management (ATM) Module for proofreading and dictionary maintenance.

Options 3 and 4 will DOWNLINE LOAD the PT65, which is required in order to operate with OAS. Option 3 will perform the DOWNLINE LOAD only, while Option 4 will DOWNLINE LOAD the terminal and then display the OAS Main Menu. If the PT65 has not been 'DOWNLINE LOADED', or if the previous 'LOAD' is not known then Option 3 or Option 4 should be selected. A clicking sound will be made as the terminal is loaded; this process will last about 15 seconds to 2 minutes depending upon the operating speed of the terminal.

Option 5 is used to display at the terminal screen all the users currently logged into the system.

Option 6 can be used to view the spool queue for the current status of any output documents to any printers.

Option 7 can be used to cancel an output spooled to any printer. It will display the spool queue as in Option 6 followed by the instructions for cancelling the output. It should be noted that a document which has already started printing or which was spooled by another user cannot be cancelled. Cancelling is performed by entering the document's PRT number which

is displayed in the spool queue listing.

Option 8 is used to perform the spooling of a blank page to any letter quality printer. This is usually done in order to 'push' a previously spooled document out on a specified printer. Option 8 will display the spool queue as in Option 6 followed by the instructions for performing the 'push'. Designation of the printer is done by LQP letter as in the OAS print menu.

Option 9 displays the SYSTEM NEWS at the terminal screen, which is normally viewed at login time.

Option 10 displays the OAS NEWS at the terminal screen which displays all printers currently supported by the system. This same news message may be invoked by Cption 6 on the OAS Main Menu.

Option 11 allows the user to send a message to another user currently logged into the system. A list of available recipients is displayed on the terminal screen. Refer to section 3.2 of this document for further instructions and examples of this option.

Option 12 allows the user to answer a message that was sent from another user using Option 11. Refer to section 3.2 of this document for further instructions and examples of this option.

Cption 55 provides entry into the OAS System Administrator Module for major OAS file maintenance. This privileged optior requires a password and is to be used only by the OAS System Administrator.

Option 77 provides entry into the Telemail / Telenet Network in which one may send or receive documents from other participating facilities. Detailed instructions and procedures related to Telemail can be found in section 5.0 of this document.

Option 99 is used to restart or reinitialize the user as if just

logged into SPADS.

Further operation within OAS is not a subject of this document and is addressed in PRIME's OAS Manuals which accompany their training class. Those manuals include: DOC6754-040P OAS Advanced Text Management Guide, DOC6755-040P OAS Management Communications and Support, and DOC6756-040P OAS Word Processing Guide (PT65).

Emergency exit from OAS will result in the displaying of the following message: 'ERROR: C ALL / SPADS >'. Typing 'C ALL' closes all files left open by the illegal exit from the OAS system. Typing 'SPADS' will then restart the SPADS main entry menu. Typing an 'LO' will perform a user logout.

5.0 TELEMAIL NETWORK

The purpose of this section is to describe and illustrate the basic procedures in operating with the Telemail / Telenet Network, which is invoked by selecting the Telemail option (option 77) on the OAS main menu.

5.1 TELEMAIL GENERAL ENTRY

When the Telemail option is selected from the OAS menu, the date and time will be displayed at the terminal screen along with a list of all the files located within the user's directory and the following message: 'Before proceeding record the como file name closest to the above date and time.' The user is now at PRIMOS level, and should record the COMO file name that matches the date and time. For example, if the date and time are '6 July 84 13:03:56 Friday', then the COMO file will appear as 'COMO840706.130356'.

The user will then type 'DIALOUT'. The following prompt will be displayed: 'Enter baud rate of host port' at which the user should enter '1200'. The following will then be displayed: 'Enter line number ... 53 Terminal mode . . . '

The user will then press RETURN to connect to the MICOM switching system and a MICOM message will appear as follows:

```
NASA LANGLEY CENTRAL COMPUTERS/MICOM
ENTER RESOURCE
```

The user should then type 'TELENET' without hesitation. The word 'GO' will appear on the terminal screen and the user will then press RETURN twice. Next, 'TERMINAL =' will be displayed, and the user will press RETURN. The symbol '@' will then appear and the user will type 'TELEMAIL'. At the prompt

'USER NAME' the user should enter the appropriate user ID. At the next prompt, 'PASSWORD', enter the appropriate password. Note that the password will not be visible on the terminal screen as it is entered. Telemail will respond with the following messages:

```
Welcome to GTE Telenet's TELEMAIL service!
TELEMAIL is a servicemark of GTE Telenet Communication Corporation.
Copyright 1984
Your last access was  Friday, May  4, 1984   3:06 PM  EDT
Today is  Friday, July 6, 1984   9:07 AM  EDT

CHECK these bulletin boards:
      TELEMAIL
      NASA

      No new mail.

Command?
```

5.2 TELEMAIL EXIT

To exit the Telemail Network, type 'BYE', and Telemail will respond with the following messages:

```
This mail session is now complete.
TELEMAIL DISCONNECTED
```

To disconnect from MICOM, press the COMMAND key and the 'C' key simultaneously.

The user will then be returned to the DIALOUT program and the following will be displayed:

```
COMMANDS: TERMINAL MODE, SEND FILE, RECEIVE FILE, QUIT, DISCONNECT
```

The user will then type 'Q' for QUIT, and will then be returned to PRIMOS level. The message 'Exiting dialout program ...' will be displayed. Next, the PRIMOS prompt 'OPTION: OAS/SPADS/LO' will be displayed. If the user enters 'OAS', the OAS menu will be displayed. If 'SPADS' is entered, the SPADS main menu will be displayed, and if 'LO' is entered, a system logout will be performed.

5.3 CLEANUP OF PRIMOS FILES

This procedure is performed at the PRIMOS level which can be reached by one of two methods: entry from the OAS Menu as described in section 5.1 of this document, or entry by exiting from a Telemail session as described in section 5.2 of this document. At the PRIMOS prompt 'OPTION: OAS/SPADS/LO' the user will enter 'CLEANUP'. The PRIMOS system will then display each file within the user's directory area as a prompt. A 'Y' response will indicate that the file is to be deleted, whereas a response of 'N' will indicate that the file is not to be deleted. Note that any files beginning with a 'T$' should be deleted. In order to verify those files that have been selected for deletion, the user responds with a 'Y' or an 'N' for each file again. A message will then be displayed for each file as it is deleted, such as:

```
'T$0C01' deleted.
'J00066.EXPORT' deleted.
```

5.4 SENDING A DOCUMENT

The document to be transported must first be created within OAS. Note that Telemail requires that the last line be blank with a '.' in the first column. This indicates that the text portion of the Telemail document has been completed. Use the OAS Word Processing menu export option to transport the OAS document to PRIMOS level. Then exit OAS and enter the Telemail

Network as described in section 5.1 of this document. At PRIMOS level, write down the name of the desired transfer document, for example: 'H00066.EXPORT'. When the user COMPOSEs a Telemail document, the following must be entered:

TO:
CC:

SUBJECT:

TEXT: Press COMMAND AND C simultaneously.

The following will then be displayed:

COMMANDS: TERMINAL MODE, SEND FILE, RECEIVE FILE, QUIT, DISCONNECT

Next, type 'S'. The prompt 'GIVE THE NAME OF THE FILE TO BE SENT' will be displayed, and the user now enters the name of the transfer document. Note that the document name will not be visible on the terminal screen as it is being entered. The OAS document will then be put in as the text of the Telemail document. For further information on the COMPOSE command, refer to the Telemail booklets: 'Introduction To Telemail', Parts 1 and 2 - 'Basic User Training' and 'Advanced User Training'.

After sending a Telemail document, the user will be returned to PRIMOS level and may type either 'OAS', 'SPADS', or 'LO'. At this time, the user may wish to perform a cleanup of the PRIMOS level directory files as described in section 5.3 of this document.

5.5 RECEIVING A DOCUMENT

Enter telemail using the same procedures as described in section 5.1 of this document, and read the incoming documents as described in 'Introduction To Telemail Part 1' - Basic User Training. Further read options are discussed in 'Introduction to Telemail Part 2' - Advanced User Training.

Exit Telemail as described in section 5.2 of this document. At the PRIMOS level prompt 'OPTION: OAS/SPADS/LO' type 'OAS'. Enter OAS and select the OAS Word Processing menu import option. Import the previously recorded COMO file which contains the incoming Telemail document. In the example, the PRIMOS filename was COMO840521.130356. Enter the OAS Word Processing menu edit option to delete the extraneous material and edit as desired.

6.0 MAIL LOG CORRESPONDENCE FILE

This file contains all correspondence either entering or exiting the Scout Project Office. Each document is classified as having a status of one of the three following codes: IM (Incoming Mail), OM (Outgoing Mail), or VC (Vought Correspondence). Every document is electronically filed into one of the following subfiles: (1) Transmittals and Specifications, (2) Memos and Letters, (3) TWX, Magnafax, and Rapifax, (4) Announcements, (5) Purchase Requests, or (6) Miscellaneous and Reports.

Information for each record is stored in the following fields:

1. MAIL STATUS : VC
2. AUTHOR/SOURCE : LARRY R. TANT
3. DOCUMENT DATE : 3- 7-84
4. TO/ADDRESSEE : VC/REMO/NAVY-REP
5. DOCUMENT LETTER NUMBER: S-6778/LRT
6. SUBJECT : APPROVAL 23-DIR-2394 TASK C, PREFLIGHT PERFORMANCE PROFILE, VEH. S-199C
7. ROUTING : LRT/JVC/LRF
8. INPUT DATE : 3- 7-84
9. W.A. NUMBER / ID CODE :
10. CONTRACT : NAS1-16200
11. ACTION DUE DATE : 0- 0- 0
12. REFERENCED DOCUMENT(S): 3-14100/4L-3111
13. FILE CODE : 302.2 /
14. ENGINEERS : LRT/ /

The Mail Log Correspondence File program main menu appears as follows:

```
SCOUT PROJECT OFFICE  :  Mail Log Correspondence
=============================================

Available Options are as follows:

(0)  Exit     - quit program (Return)
(1)  Input    - add new record to file
(2)  Update   - revise or delete record
(3)  Search   - query & retrieve records
(4)  Archive  - purge & save old records

     Enter Option >    3
```

The Mail Log main menu has 4 options: options 1, 2, and 4, INPUT, UPDATE, and ARCHIVE, which are privileged menus and require a security clearance, and option 3, SEARCH, which has open access. All options are described in detail in the following sections.

6.1 INPUT OPTION

The purpose of this section is to describe the various paths of input available in the Mail Log Correspondence file. Mail Correspondence input, Action Due items, and input of DIR's and Reports will be discussed in detail.

6.1.1 INPUT MAIL CORRESPONDENCE

When the input option is selected from the main menu and the proper security clearance has been passed, the Mail Log file input routine will operate as follows:

```
      Enter Option >1
Is this a Continuation of Input (Y or N) > N
Do you wish to Start New Entry ( NEW  )
  or Spool Last output  again ( LAST )
```

```
   or Spool New  data  entered ( DATA )

 Enter Option Name > NEW

 WELCOME TO THE MAIL LOG FILE INPUT ROUTINE

 Please note that all entries are to be placed between

 the exclamation marks and should be left justified

 Enter the Current Input Date (MMDDYY) > 061684   Note that this value is
                                                  automatically input in item
                                                  number 8.
      In which Sub-file is this record to be stored:
      ==============================================

      1.  TRANSMITTAL/SPECIFICATION    2.  MEMO/LETTER
      3.  TWX/MAGNAFAX/RAPIFAX         4.  ANNOUNCEMENT
      5.  PURCHASE REQUEST             6.  MISCELLANEOUS/REPORT

      Enter Option # > 6

 (1) MAIL STATUS - (VC) Vought Correspondence
                   (IM) Incoming Mail
                   (OM) Outgoing Mail
!  !
 TC

 THE MAIL STATUS CODE YOU HAVE ENTERED (TC) IS NOT VALID - TRY AGAIN

 (1) MAIL STATUS - (VC) Vought Correspondence
                   (IM) Incoming Mail
                   (OM) Outgoing Mail
!  !
 IM
 IM

 (2) AUTHOR/SOURCE
!                              !
 HARRIS, D. K. / KENTROM
 HARRIS, D. K. / KENTROM

 (3) DOCUMENT DATE
!MMDDYY!
 061484
  61484

 (4) TO
!                                 !
 FOSTER, LEE R. / SPO
 FOSTER, LEE R. / SPO
```

```
 (5) DOCUMENT/LETTER NUMBER
!                  !
 2-1465/4H-980
 2-1465/4H-980

 (6) SUBJECT
!23DIRNNNN!!!TITLE ( If a Dir is referenced )
!REPORT: AAAAAAAAAAAAAA!!TITLE ( If a Report is referenced )
 UPGRADE TO REV. 19.4 OF PRIME 750
 UPGRADE TO REV. 19.4 OF PRIME 750

 (7) ROUTING
!   !!   !!   !!   !!   !!   !
 LRF  JVC  JCW  DCM  DPB  CGH
 LRF  JVC  JCW  DCM  DPB  CGH

 (8) INPUT DATA DATE
!MMDDYY!
  61684        Note that this value is input automatically by the system -
               not by the user.

 (9)  W.A. NUMBER / ID. CODE
!       !             Note:  IF the W.A. Number is not recognized as having
 3005                 a valid contract number, the system will prompt for
 3005                           10) CONTRACT NUMBER
                                !                  !

 CONTRACT NUMBER  NAS1-16200

 (11) ACTION ITEM DUE DATE
!MMDDYY!
** return **
  0 0 0

 How many Reference Numbers are there (Max of 6)
** return **

 (13) FILE SYSTEM CODE (S)
!         !!          !
 203.9
 203.9

 (14) RESPONSIBLE ENGINEER(S)
!   !!   !!   !
 JDD
 JDD

  1. MAIL STATUS           : IM
  2. AUTHOR                : HARRIS, D. K. / KENTRON
  3. DOCUMENT DATE         :  6-14-84
  4. TO                    : FOSTER, LEE R. / SPO
  5. DOCUMENT LETTER NUMBER: 2-1465/4H-980
  6. SUBJECT               :
```

```
   UPGRADE TO REV. 19.4 OF PRIME 750
  7. ROUTING                : LRF/JVC/JCW/DCM/DPB/CGH
  8. INPUT DATE             :  6-16-84
  9. W.A. NUMBER / ID CODE : 3005
 10. CONTRACT               : NAS1-16200
 11. ACTION DUE DATE        :  0- 0- 0
 12. REFERENCED DOCUMENT(S):
 13. FILE CODE              : 203.9     /
 14. ENGINEERS              : JDD/   /

 RECORD CORRECT (COR) / NEED REVISION (REV) > REV

 How many Items are to be Revise (Max 14) > 1

 Enter the Item number to be Revised > 2

 (2) AUTHOR/SOURCE
!                              I
 HARRIS, D. K. / KENTRON
 HARRIS, D. K. / KENTRON

  1. MAIL STATUS            : IM
  2. AUTHOR                 : HARRIS, D. K. / KENTRON
  3. DOCUMENT DATE          :  6-14-84
  4. TO                     : FOSTER, LEE R. / SPO
  5. DOCUMENT LETTER NUMBER: 2-1465/4H-980
  6. SUBJECT                :
   UPGRADE TO REV. 19.4 OF PRIME 750
  7. ROUTING                : LRF/JVC/JCW/DCM/DPB/CGH
  8. INPUT DATE             :  6-16-84
  9. W.A. NUMBER / ID CODE : 3005
 10. CONTRACT               : NAS1-16200
 11. ACTION DUE DATE        :  0- 0- 0
 12. REFERENCED DOCUMENT(S):
 13. FILE CODE              : 203.9     /
 14. ENGINEERS              : JDD/   /

 RECORD CORRECT (COR) / NEED REVISION (REV) > COR

 More Data to be Input (Y or N) > N

 Do you want the Daily Output (NOW or WAIT) > NOW

 NOW SPOOLING SPO MAIL LOG

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
 (3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 1
```

```
 (0)  START OVER
 (1)  LQP A - COMPUTER PAPER
 (2)  LQP B - SINGLE   SHEET
 (3)  LQP G - DUAL     SHEET
 (4)  SCOUT   SYSTEM   PRINTER / PRO

ENTER OPTION NUMBER > 1

ENTER NUMBER OF COPIES (MAX 5) >  0

NO OUTPUT SPOOLED TO PRINTER !!!!

 NOW SPOOLING VC MAIL LOG FOR DALLAS

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
 (3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 2

 (0) START OVER
 (1) LQP S - SINGLE   SHEET
 (2) LQP T - COMPUTER PAPER
 (3) DALLAS  SYSTEM   PRINTER / W

ENTER OPTION NUMBER > 2

ENTER NUMBER OF COPIES (MAX 5) >  0

NO OUTPUT SPOOLED TO PRINTER !!!!
```

Refer to Appendix A-1 for an example of the Mail Log Daily Correspondence outut report format.

If the user responds with 'Y' to the prompt 'Is this a Continuation of Input (Y or N) >' the user will then enter the input date. The system will check to verify that the input date entered is the same input date entered for those records entered previously of which the current input is a continuation.

If the current input is not a continuation the user must specify whether a NEW input is desired, a new spooling of the LAST data that was input and spooled is desired, or a printout of the DATA that was put on wait

(to be continued later).

When the input record is displayed on the terminal screen the user must either enter 'COR' to indicate that the record is correct, or 'REV' to indicate that the record needs revision. If the user responds with 'REV' the system will prompt the user for how many and which fields need to be corrected. When the input has been completed, the prompt 'More Input Y or N' will be displayed. If the user responds with 'Y', the user will then reenter the appropriate subfile selection and continue to input. If the user responds with 'N', the prompt for spooling the output NOW or WAIT to spool will be displayed. If NOW is entered the user will enter the appropriate printers for output to the Scout Office in Hampton and output to Vought Corporation in Dallas. If WAIT is entered, the system will suspend the input session until the user restarts the Mail Log file input routine. The user will then be returned to the program main menu. When the input routine is restarted, the user entering the input mode will respond with 'Y' to the previously described prompt 'Is this a Continuation of Input (Y or N) >'.

6.1.2 INPUT ACTION DUE ITEMS

After the user has responded with 'COR' to indicate that the current input record is correct, the system will enter that record into a temporary Action Due file in addition to the subfile initially specified by the user only if an action due date was entered for data item number eleven (11) of the input record. Note that two copies of the record are entered into the system; one copy is in the Action Due file and the other is in the subfile first specified by the user.

During the input of Outgoing Mail (OM) and Vought Correspondence (VC), the system performs an internal check on the Referenced Document number(s)

input with the current input record (up to six are allowed). If Referenced Document numbers are found, the system assumes that the current entry could possibly be the Action Response to an existing Action Due record in the data base. If this should happen the following message will be displayed at the terminal screen: 'STAND BY. SYSTEM NOW IN AUTOMATIC UPDATE MODE.' The system automatically searches the temporary Action Due file for a match between the Action Due record's Document / Letter Number and the Referenced Document Number in the current input record. If a match is found, one of two operations will be performed: (1) If the subject of the current input record begins with 'APPROV . . .' or 'DISAPPROV . . .' or 'DISPOSITION', then the Action Due record is deleted from the temporary Action Due file; (2) If the subject of the current input record begins with 'DELAY. . .' then the current Action Due date of the document in the temporary Action Due file will be displayed and the user will be prompted for a new Action Due date as follows:

ACTION DUE DATE: 4- 2-84 ** terminal will beep here **
Enter New Due Date: If None, Repeat Old Date > 060584

The new due date must be entered in the format MMDDYY.

6.1.3 INPUT DIR'S / REPORTS

After the user has responded with 'COR' to indicate that the current input record is correct the system will perform an internal check on the current input subject to see if it begins with '23DIR' or 'REPORT: '. If the desired phrase is found in the subject, that record must also be input into the DIR / Report file. Additional information must be input for that record to be queued for input into the DIR / Report file. The title for the DIR/ Report record is taken from the Mail Log record subject and must follow one

of the following formats:

```
!23DIRNNNN!!!TITLE ( if a Dir is referenced )
!REPORT: AAAAAAAAAAAAAA!!TITLE ( if a Report is referenced )
```

Once the DIR or Report number has been derived from the Mail Log record subject the system automatically determines whether the DIR or Report already exists in the current DIR / Report data base. If the record is not found in the current data base, input of additional information to complete the input of a new DIR / Report record is necessary, and the following will be displayed:

```
     DIR Update for
(or) REPORT Update for
*** DIR or Report number ***

ENTER VEHICLE
!    !!    !

Correct Entry (Y or N) >

ENTER SYSTEM (ELEC,GSE,GUID,MECH,PROP,PMAN,CONF,RF,RCS,PERF,RELI,P/L)
!    !!    !!    !

Correct Entry (Y or N) >

ENTER DOCUMENT DATE
!MMDDYY!

Correct Entry (Y or N) >

ENTER REVISION
!  !

Correct Entry (Y or N) >

ENTER REVISION DATE
!MMDDYY!

Correct Entry (Y or N) >
```

Note that since the prompt 'Correct Entry (Y or N) >' is displayed at each data field, for revision purposes, the entire record is not displayed

with the option to revise when the input has been completed.

If HELP is entered for data field number three (3), a listing of the system fields and their descriptions will be displayed. For that listing and further information on the DIR / Report input routine refer to section 10.1 of this document.

If the DIR or Report is found to already exist in the current data base, the following will be displayed:

```
     DIR Update for
(or) REPORT Update for
*** DIR or Report number ***

ENTER REVISION
!  !

Correct Entry (Y or N) >

ENTER REVISION DATE
!MMDDYY!

Correct Entry (Y or N) >
```

In either case, whether the DIR or Report already exists or not, if no revision is entered no prompt for the entry of a revision date will be displayed. See Appendix A-2 for an example of the Mail Log Daily DIR/Report output format.

6.2 UPDATE OPTION

The purpose of this section is to describe the various update paths in the Mail Log Correspondence file. Mail Correspondence update and Action Due items update will be discussed in detail.

6.2.1 UPDATE MAIL CORRESPONDENCE

When the update option is selected from the main menu and the proper

security clearance has been passed, the Mail Log file update routine operates as follows:

```
        Enter Option >2

 PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE

 DOCUMENT TO BE REVISED OR DELETED

!      11    !
 060584  1

 Is this an Action Due Item  (YES or NO) > NO


  SUBFILE SELECTION:

  1.  TRANSMITTAL/SPECIFICATION SUBFILE
  2.  MEMO/LETTER SUBFILE
  3.  TWX/MAGNAFAX/RAPIFAX SUBFILE
  4.  ANNOUNCEMENT SUBFILE
  5.  PURCHASE REQUEST SUBFILE
  6.  MISCELLANEOUS/REPORT SUBFILE
  **********************************

  How many subfiles to be Opened > 4

  Enter Subfile Number (1 to 6) > 1
  Enter Subfile Number (1 to 6) > 2
  Enter Subfile Number (1 to 6) > 5
  Enter Subfile Number (1 to 6) > 6

 STAND BY.  SEARCH NOW IN PROGRESS.

  1. MAIL STATUS           : VC
  2. AUTHOR                : URASH, R.G.
  3. DOCUMENT DATE         :  5-30-84
  4. TO                    : SPO
  5. DOCUMENT LETTER NUMBER: 3-14100/4L-3299
  6. SUBJECT               :
   23DIR1911   PRE-FLIGHT DATA SYSTEMS CALIBRATIONS FOR VEHICLE S-199C, N-16
  7. ROUTING               : LRT/JDD/JRL/CWW/   /
  8. INPUT DATE            :  6- 5-84
  9. W.A. NUMBER / ID CODE : 3005
 10. CONTRACT              : NAS1-16200
 11. ACTION DUE DATE       :  7- 3-84
 12. REFERENCED DOCUMENT(S):
 13. FILE CODE             : 302.2     /
 14. ENGINEERS             : LRT/   /
```

```
Is this the correct record  (YES OR NO) > YES

REVISE or DELETE this record (REV or DEL) >REV

How many items are to be Revised (Max 14) > 1

Enter the item number to be Revised > 14

(14) RESPONSIBLE ENGINEER(S)
!   !!   !!   !
KFT  RLD
KFT  RLD

 1. MAIL STATUS           : VC
 2. AUTHOR                : URASH, R.G.
 3. DOCUMENT DATE         :  5-30-84
 4. TO                    : SPO
 5. DOCUMENT LETTER NUMBER: 3-14100/4L-3299
 6. SUBJECT               :
  23DIR1911   PRE-FLIGHT DATA SYSTEMS CALIBRATIONS FOR VEHICLE S-199C, N-16
 7. ROUTING               : LRT/JDD/JRL/CWW/   /
 8. INPUT DATE            :  6- 5-84
 9. W.A. NUMBER / ID CODE : 3005
10. CONTRACT              : NAS1-16200
11. ACTION DUE DATE       :  7- 3-84
12. REFERENCED DOCUMENT(S):
13. FILE CODE             : 302.2     /
14. ENGINEERS             : KFT/RLD/

RECORD CORRECT (COR) / NEED REVISION (REV) > COR
```

When the updated record is displayed the user must type either 'COR', to indicate that the record is correct, or 'REV' to indicate that the record needs further revision. If the user responds with 'REV', the system will again prompt for how many and which fields need to be updated. When updating has been completed, the user will be returned to the program main menu.

6.2.2 UPDATE ACTION DUE ITEMS

The update routine for Action Due records is invoked when 'YES' is entered at the prompt 'Is this an Action Due item (YES or NO) >' in the Mail Log update option. The system performs a search for the desired documents in the Action Due file rather than in any of the six Mail Log sub-files.

If the desired record is found, the following fields will be displayed:

SUBJECT

DOCUMENT/LETTER NUMBER FILE CODE INPUT DATE COUNT

AUTHOR RESPONSIBLE ENGINEERS ACTION DUE DATE

The prompt 'Is this the Correct Record (YES or NO) >' will also be displayed. If the user responds with 'NO', the system will continue searching, and if the desired record is not found, a message stating so will be displayed and the user will then be returned to the program main menu. If the user responds with 'YES', the prompt 'REVISE or DELETE this record (REV or DEL) >' will be displayed. When 'DEL' is entered, the message

```
MAIL CORRESPONDENCE RECORD :   6/16/84      1
UPGRADE TO REV. 19.4 OF PRIME 750

***** DELETED FROM DATA EASE *****
```

will be displayed and the user will then be returned to the program main menu. If the user responds with 'REV', the following menu will appear:

```
Revise Options:  Enter Number Only - Zero (0) if Finished
1.  Author                      2.  Document / Letter Number
3.  Action Due Date             4.  File System Code
5.  Subject                     6.  Responsible Engineer
Enter Option # >
```

For each option that is entered, a prompt for updating that particular field will be displayed. The following is a listing of those prompts.

```
 ENTER AUTHOR
!                !

 ENTER DOC./LETTER NUMBER
!                !
```

```
 ENTER ACTION DUE DATE
!MMDDYY!

 ENTER FILE SYSTEM CODE
!       !!       !

 ENTER SUBJECT
!                          !

 ENTER RESPONSIBLE ENGINEER
!   !!   !!   !
```

Note that the user will be returned to the program main menu after entering a zero (0) for the Revise menu option. See the example below.

```
        Enter Option >2

PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE

DOCUMENT TO BE REVISED OR DELETED
!      !!   !
060584  12

Is this an Action Due Item  (YES or NO) > YES

STAND BY.  SEARCH NOW IN PROGRESS.

REPORT: 23.667          SCOUT MOTORS STRUCTURAL SUMMARY, TASK R-32
3-14100/4L-3308        684.22    /                6- 5-84   12
URASH, R.G.                    JDD                7- 5-84

Is this the correct record  (YES or NO) > YES

REVISE or DELETE this record (REV or DEL) >REV

Revise Options:  Enter Number Only - Zero (0) If Finished

1.  Author             2.  Document/Letter Number
3.  Action Due Date    4.  File System Code
5.  Subject            6.  Responsible Engineer

Enter Option # > 6

ENTER RESPONSIBLE ENGINEER
!   !!   !!   !
KFT

REPORT: 23.667          SCOUT MOTORS STRUCTURAL SUMMARY, TASK R-32
3-14100/4L-3308        684.22    /                6- 5-84   12
URASH, R.G.                    KFT                7- 5-84
```

```
Revise Options:  Enter Number Only - Zero (0) If Finished

1.  Author              2.  Document/Letter Number
3.  Action Due Date     4.  File System Code
5.  Subject             6.  Responsible Engineer

Enter Option # > 3

ENTER ACTION DUE DATE
!MMDDYY!
081584

REPORT: 23.667          SCOUT MOTORS STRUCTURAL SUMMARY, TASK R-32
3-14100/4L-3308        684.22    /                6- 5-84   12
URASH, R.G.                     JDD                8-15-84

Revise Options:  Enter Number Only - Zero (0) If Finished

1.  Author              2.  Document/Letter Number
3.  Action Due Date     4.  File System Code
5.  Subject             6.  Responsible Engineer

Enter Option # > 0
```

6.3 DELETE OPTION

The purpose of this section is to describe the various delete options in the Mail Log file. Deletion of mail correspondence records and of action due items will be discussed.

6.3.1 DELETE MAIL CORRESPONDENCE

When the update option is selected from the main menu and the proper security clearance has been passed, the Mail Log file mail correspondence delete routine operates as follows:

```
        Enter Option >2
PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE
DOCUMENT TO BE REVISED OR DELETED
!      !!   !
 061684  1
```

```
 Is this an Action Due Item  (YES or NO) > NO

  SUB FILE SELECTION:

  1.  TRANSMITTAL/SPECIFICATION SUB-FILE
  2.  MEMO/LETTER SUB-FILE
  3.  TWX/MAGNAFAX/RAPIFAX SUB-FILE
  4.  ANNOUNCEMENT SUB-FILE
  5.  PURCHASE REQUEST SUB-FILE
  6.  MISCELLANEOUS/REPORT SUB-FILE
  **********************************

  How many sub-files to be Opened > 6    Note that if all 6 files are to be
                                         opened, no prompting is  necessary
                                         (See difference in update example).
 STAND BY.  SEARCH NOW IN PROGRESS.


  1. MAIL STATUS            : IM
  2. AUTHOR                 : HARRIS, D. K. / KENTRON
  3. DOCUMENT DATE          :  6-13-84
  4. TO                     : FOSTER, LEE R. / SPO
  5. DOCUMENT LETTER NUMBER: 2-96154/2C-065
  6. SUBJECT                :
   UPGRADE TO REV. 19.4 OF PRIME 750
  7. ROUTING                : LRF/DCM/DPB/CGH/JCW/BLB
  8. INPUT DATE             :  6-16-84
  9. W.A. NUMBER / ID CODE : 3005
 10. CONTRACT               : NAS1-16200
 11. ACTION DUE DATE        :  0- 0- 0
 12. REFERENCED DOCUMENT(S):
 13. FILE CODE              : 206.9     /
 14. ENGINEERS              : JDD/   /

 Is this the correct record  (YES OR NO) > YES

 REVISE or DELETE this record (REV or DEL) >DEL

 MAIL CORRESPONDENCE RECORD :   6/16/84      1
UPGRADE TO REV. 19.4 OF PRIME 750

***** DELETED FROM DATA BASE *****
```

When deleting is completed the user will be returned to the program main menu.

6.3.2 DELETE ACTION DUE ITEMS

Occasionally an action due item must be deleted from the data base

manually. The following example illustrates the action due items delete routine:

```
        Enter Option >2

PLEASE ENTER THE INPUT DATE AND COUNT CODE OF THE
DOCUMENT TO BE REVISED OR DELETED
!      !!   !
072384   2
Is this an Action Due Item  (YES or NO) > YES

STAND BY.  SEARCH NOW IN PROGRESS.

TASK R-48 PLAN FOR APPROVAL, INSPECTION OF ALGOL III MOTOR SN 5504-10
3-14100/4L-3406        684.5.1   /                7-23-84    2
URASH, R.G.                    FPK                8-20-84

Is this the correct record  (YES or NO) > YES

REVISE or DELETE this record (REV or DEL) >DEL

***** DELETED FROM DATA BASE *****
```

When deleting has been completed, the user will be returned to the program main menu.

6.4 REPORT OPTION

Due to the design of the Mail Log Correspondence program and data base area, no report generator exists for this file.

6.5 SEARCH OPTION

Of the fourteen (14) data items within a document record, twelve (12) are searchable. The resulting outputs from these searches vary from five (5) to eight (8) data items. All searches except the Action Due Date search have a multiple subfile selection capability in which any single or combination of the six subfiles may be used. The Action Due Date search automatically searches all six subfiles. There is a specialized All

search which outputs all documents in a specified subfile or combination of subfiles.

The searches may also be assigned for a particular time frame. If no time frame is selected, the first valid date becomes the earliest date in the data base and the last valid date defaults to 12-31-99. Of course, the Action Due Date, Document Date, and Input Date searches do not use the time framing capability. However, the Document and Input date searches can retrieve a month's or an entire year's worth of data by entering 00. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

CORRESPONDENCE DATA FIELD ITEMS

	SEARCHABLE	OUTPUT
MAIL STATUS	*	
AUTHOR/SOURCE	*	
DOCUMENT DATE	*	
TO/ADDRESSEE	*	
DOCUMENT LETTER NUMBER	*	*
SUBJECT	*	*
ROUTING		
INPUT DATE	*	*
W.A. NUMBER/ID CODE	*	
CONTRACT NUMBER	*	
ACTION DUE DATE	*	**
REFERENCED DOCUMENTS	*	***
FILE SYSTEM CODE		*
RESPONSIBLE ENGINEER	*	**
DAILY COUNTER		*

* OUTPUT IN ALL SEARCHES
** ONLY OUTPUT DURING AN ACTION DUE SEARCH
*** OUTPUT IN ALL BUT AN ACTION DUE OR ALL SEARCH

If many documents are found during a search, only enough records to fill the terminal screen will be displayed at a time, with 'More?' displayed at the bottom of the terminal screen. The user may respond with 'Y', to indicate that the next screen full of records is to be displayed, or with 'N', to indicate that no more records are to be displayed. If a carriage return is entered, a value of 'Y' is taken as default.

6.6 SAMPLE SEARCHES

The purpose of this section is to provide examples of user actions performed in order to SEARCH the Mail Log Data Base.

```
          Welcome to the Mail Log Search Routine
          ======================================

Available Options are as follows:

 (0) Exit              - Return to Main Menu
 (1) Mail Status       - Search & Retrieve on Mail Status (In, Out or Vought)
 (2) Author / Source   - Search & Retrieve on Partial Word within Author/Source
 (3) Document Date     - Search & Retrieve on the Correspondence Document Date
 (4) To / Addressee    - Partial Word Search & Retrieve on Who To / Addressee
 (5) Doc. Letter No.   - Partial Word Search & Retrieve on Document Letter #
 (6) Subject           - Single Word Search within the Correspondence Subject
 (7) Input Date        - Search & Retrieve on the Correspondence Date of Input
 (8) WA No./ID Code    - Search & Retrieve on WA (3008) or ID Code (EAC)
 (9) Contract Number   - Search & Retrieve on NAS1 - Contract Number
(10) Action Due Date   - Search & Retrieve on Current List by Action Due Date
(11) Responsible Eng.  - Search & Retrieve on Engineer Initials (ex. LRF)
(12) Referenced  Doc.  - Search & Retrieve on Referenced Document Letter No.'s

                    Enter Option  >
```

EXAMPLE FOR OPTION #10: (ACTION DUE SEARCH)

```
Enter Option > 10

THIS IS THE ACTION ITEM DUE DATE ROUTINE
NOTE - THE BREAK KEY HAS BEEN DISABLED FOR THIS RUN
```

```
There are Two (2) Options for the Action Due Search
          0.  Return to Search  Menu
          1.  A Complete listing of all current Action Dues
          2.  A Listing of those within 5 Days or Past Due

  1

PLEASE STAND BY. SEARCH IN PROGRESS

*************************************************************************
*                                ACTION DUE DATE                        *
* SUBJECT                                                               *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE        *
* AUTHOR / SOURCE        RESPONSIBLE ENGINEER    DUE DATE               *
*************************************************************************

 EO 51754 (ELEC) SPECIFICATION 305-917 FOR APPROVAL
 2-19200/3L-3185        684.4.2   /                4-15-83    6
 HORNE, R.C.                    DMF                5-13-83

 23DIR2187   PREFLIGHT ASSIGNMENT AND PERFORMANCE PREDICTION OF MOTORS, S-205
 2-19200/3L-3220        302.2     /                4-26-83    6
 URASH, R.G.                    LRT                5-25-83

RETURN TO CONTINUE >  ** return **
```

Refer to Appendix B-1 for an example of the Mail Log Action Due Search output report format.

```
EXAMPLE FOR OPTION # 6:        (SUBJECT SEARCH)

SUB FILE SELECTION:
1.  TRANSMITTAL/SPECIFICATION SUB-FILE
2.  MEMO/LETTER               SUB-FILE
3.  TWX/MAGNAFAX/RAPIFAX      SUB-FILE
4.  ANNOUNCEMENT              SUB-FILE
5.  PURCHASE REQUEST          SUB-FILE
6.  MISCELLANEOUS/REPORT      SUB-FILE
************************************
HOW MANY SUBFILES DC WISH TO OPEN > 2

ENTER SUB-FILE NUMBER (1 TC 6) > 2
ENTER SUB-FILE NUMBER (1 TO 6) > 3

WHAT IS THE FIRST VALID DATE  (MMDDYY) > 010183

WHAT IS THE LAST  VALID DATE  (MMDDYY) > 042983

WHAT IS THE DESIRED WORD (FINISHED, TYPE 'QUIT')
```

```
  RING

STAND BY.  SEARCH NOW IN PROGRESS.

REPORT ON EO STEERING COMMITTEE FOR FY 1982
DPR-L-10978B, HANDLING AND STORING OF NASA SCOUT ROCKET MOTORS
PROMOTION REQUESTS FOR SPRING PROMOTION SCHEDULE
TEMPORARY ASSIGNMENTS TO FILL SYSTEMS ENGINEERING MANAGER POSITION
TIERING FORKLIFTS FOR USE BY SCOUT PROGRAM AT VANDENBERG AIR FORCE BASE CA
(NDPR) L-10978B, HANDLING AND STORING OF NASA SCOUT ROCKET MOTORS
MIXING PERSONAL LEAVE WITH TRAVEL DURING PERIOD APRIL 20 - MAY 2, 1983
NDPR L-10978B, HANDLING AND STORING OF NASA SCOUT ROCKET MOTORS

THERE ARE    8 DOCUMENTS CONTAINING THE WORD RING

WHAT IS THE DESIRED WORD (FINISHED, TYPE 'QUIT')

  TIE

STAND BY.  SEARCH NOW IN PROGRESS.

TIERING FORKLIFTS FOR USE BY SCOUT PROGRAM AT VANDENBERG AIR FORCE BASE CA

THERE ARE    1 DOCUMENTS CONTAINING THE WORD TIE

 WHAT IS THE DESIRED WORD (FINISHED, TYPE 'QUIT')

  QUIT

**************************************************************************
*                    SUBJECT:  RING       TIE                            *
* SUBJECT                                                                *
* TYPE/LETTER NUMBER     FILE SYSTEM CODE        INPUT DATE-CODE         *
* REFERENCED DOCUMENTS                                                   *
**************************************************************************

 TIERING FORKLIFTS FOR USE BY SCOUT PROGRAM AT VANDENBERG AIR FORCE BASE CA
 158A/756               403       /               3-17-83    5
 NONE
```

Refer to Appendix B-2 for an example of the Mail Log Subject Search output report format.

6.7 SPOOLING OUTPUT

As the terminal output is being generated, an OUTPUT file is also being created. When the search is finished the user has the option to

send this output file to any printer. The option is displayed as follows: 'HARD COPY TO PRINTER (Y or N) >'. If 'Y' is entered, the SPOOLING Menu is activated as described in Section 3.1. A Carriage Return can be used in place of an 'N' response for no printout.

6.8 ARCHIVE OPTION

When the archive option is selected from the main menu and the proper security clearance has been passed, the Mail Log archive menu will appear as follows:

```
Do you wish to:  Archive Documents by Dates      (DATE)
                 Archive Individual Records      (INDV)
                 Clean up All Deletions          (DELE)
                 Quit or Return                  (QUIT)

Enter Option Name >
```

If the user responds with 'DATE', the following will be displayed:

```
What is the First Valid Date  (MMDDYY) >
What is the Last  Valid Date  (MMDDYY) >
```

After the appropriate dates have been entered, all six subfiles of the Mail Log file will be automatically opened and those records having input dates between the first and last valid dates entered by the user will be archived. When the archiving has been completed, the user will be returned to the program main menu.

If the user responds with 'INDV', the following will be displayed:

```
How many documents do you wish to Archive >

Please enter the Input Date and Count Code of the document to be Archived
!      !!   !
```

In which Subfile is the document located:
==========

1. TRANSMITTAL/SPECIFICATION	2. MEMO/LETTER
3. TWX/MAGNAFAX/RAPIFAX	4. ANNOUNCEMENT
5. PURCHASE REQUEST	6. MISCELLANEOUS/REPORT

Enter Option # >

This cycle of prompts will occur the same number of times as the number of documents to be archived entered initially by the user. After an option number has been entered, the message: ' STAND BY. SEARCH NOW IN PROGRESS.' will be displayed. If the desired document is not found, the message: 'DOCUMENT NOT FOUND IN SPECIFIED SUBFILE.' will be displayed, and the system will prompt the user for the next record to be archived, or if no more documents are to be archived the user will be returned to the program main menu. If the desired document is found, the following message will be displayed:
Is this the correct document (YES or NO) >
If the user responds with 'YES', the document will be archived and the system will prompt the user for the next record to be archived. If the user responds with 'NO', the system will search further for a record having the desired input date and count code. If no other record is found having the same date and count code, the system will prompt the user for the next record to be archived. When no more documents are to be archived, the user will be returned to the program main menu.

If the user responds with 'DELE', a routine will be invoked which performs the internal purging of those records that have been marked for deletion by the Mail Log delete routine, and which performs general file maintenance for the Mail Log data files' associated pointer files. These pointer files enhance the organization and utilization of the Mail Log data and should be of no concern to the user. However, it is important that

they be maintained through this routine. This option requires no terminal input from the user, but several messages will be displayed to indicate the completion of certain tasks. As each subfile has been completed, a message stating so and how many records were deleted will be displayed. See the following list of messages:

CLEAN UP OF TRAN SUBFILE = 8 RECORDS

CLEAN UP OF MEMO SUBFILE = 15 RECORDS

CLEAN UP OF TWFX SUBFILE = 4 RECORDS

CLEAN UP OF ANN SUBFILE = 11 RECORDS

CLEAN UP OF PR SUBFILE = 3 RECORDS

CLEAN UP OF MIS SUBFILE = 0 RECORDS

PLEASE STAND BY. POINTER FILE UPDATE NOW IN PROGRESS.

When the clean up and update have been completed for all files, the user will be returned to the program main menu.

If the user responds with 'QUIT', the user will be returned to the program main menu.

7.0 MOTOR INFORMATION FILE

This file contains information on motor stacks for vehicles S-192 and subsequent, for spare vehicle parts, and for test fired parts. The stages for each vehicle have been divided into nine possible stage assignments (as listed in the record below). Each of these stages has up to six categories (MOTORS, CASES, NOZZLES, IGNITERS, MISCELLANEOUS, CONTAIN / DOLLY). The file also contains a set of notes for each stage. The notes are referenced in the COMMENT field of each appropriate record.

Information for each record is stored in the following fields:

```
VEH / DESCP >                    STAGE NUMBER >
                                 1. ALGOL II     6. ANTARES IIA
CATEGORY >                       2. ALGOL IIIA   7. ANTARES IIB
1. Motors    4. Igniter          3. CASTOR II    8. ANTARES III
2. Case      5. Miscellaneous    4. CASTOR IIA   9. ALTAIR IIIA
3. Nozzle    6. Contain/Dolly    5. ANTARES II

COMPONENT / MATERIAL OR SERIAL NUMBER >                    LOCATION >

CAST DATE (MM/YY) >          S/L EXP. DATE (MM/YY) >

CONTRACT NO. > NAS1-         CONTRACT MISC. >              COST >

COMMENT >                                    INDICATION OF CHANGE >
```

The Motor Information File program main menu appears as follows:

```
  MOTOR PROGRAM MAIN MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input    Menu
 2.  Update   Menu
 3.  Delete   Menu
 4.  Report   Menu
 5.  Search   Menu

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The motor program main menu has 5 options: options 1, 2, and 3,

INPUT, UPDATE, and DELETE which are privileged menus and require a security clearance, and options 4 and 5, REPORT and SEARCH, which have open access. All options are described in the following sections.

7.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Motor Information file input menu will appear as follows:

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

ENTER PASSWORD >

MOTOR INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input to Spares   File
 2.  Input to Vehicle  File
 3.  Input to Test Expended File
 4.  Input to Note File
 5.  Input to Stage    Lookup Table
 6.  Input to Category Lookup Table
 7.  Input to Location Lookup Table

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

7.1.1 INPUT TO SPARES, VEHICLE, AND TEST EXPENDED FILES

Options 1, 2, and 3 allow the user to input records into each of the three subfiles in the Motor file: Vehicle file, Spares file, and Test Expended file. These three options use the same input screen, which appears as follows:

INPUT / UPDATE SCREEN FOR MOTOR FILE INFORMATION

```
VEH / DESCRIPTION >..........<  STAGE NUMBER >.<      ...........
                                1. ALGOL II     6. ANTARES IIA
CATEGORY >.<  .............     2. ALGOL IIIA   7. ANTARES IIB
1. Motors     4. Igniter        3. CASTOR II    8. ANTARES III
2. Case       5. Miscellaneous  4. CASTOR IIA   9. ALTAIR IIIA
3. Nozzle     6. Contain/Dolly  5. ANTARES II

COMPONENT / MATERIAL OR SERIAL NUMBER >.................<     LOCATION >..<
                                                              ..........
CAST DATE (MM/YY) >.....<   S/L EXP. DATE (MM/YY) >.....<

CONTRACT NO. >NAS1-.....<   CONTRACT MISC. >........<         COST >......<

COMMENT >...........................<      INDICATION OF CHANGE >.........<
```

7.1.2 INPUT TO NOTE FILE

Option 4 allows the user to add to the note file - the data file which is appended to the motor data file. The input screen for this option appears as follows:

INPUT / UPDATE SCREEN FOR NOTE FILE

```
STAGE NUMBER > .                              NOTE NUMBER > ..

                          ENTER NOTE LINES
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<
>..........................................................................<

                       RETURN TO CONTINUE
```

7.1.3 INPUT TO STAGE, CATEGORY, AND LOCATION LOOKUP TABLES

Options 5, 6, and 7 allow the user to input a record into one of the

tables used in the Motor Information file. A listing of the current lookup table is displayed at the terminal screen within each input routine. The following examples illustrate these last three options.

Example #1 - option 5 - Input to the Stage Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

 THIS PROCRAM INPUTS TO THE STAGE LOOKUP TABLE

THE CURRENT STAGE LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
=============================================================

$RECNO   STAGE STAGE-NAME
     1   1     ALGOL II
     2   2     ALGOL IIIA
     3   3     CASTOR II
     4   4     CASTOR IIA
     5   5     ANTARES II
     6   6     ANTARES IIA
     7   7     ANTARES IIB
     8   8     ANTARES III
     9   9     ALTAIR IIIA

   10
STAGE> 10

STAGE-NAME> TEST

      1 RECORD(S) ADDED

 THE STAGE LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 =========================================================

$RECNO   STAGE STAGE-NAME
     1   1     ALGOL II
     2   2     ALGOL IIIA
     3   3     CASTOR II
     4   4     CASTOR IIA
     5   5     ANTARES II
     6   6     ANTARES IIA
     7   7     ANTARES IIB
     8   8     ANTARES III
     9   9     ALTAIR IIIA
    10  10     TEST
```

Example #2 - option 6 - Input to the Category Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

 THIS PROGRAM INPUTS TO THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CATEGORY DESCRIPTION
     1   1        MOTOR
     2   2        CASE
     3   3        NOZZLE
     4   4        IGNITER
     5   5        MISCELLANEOUS
     6   6        CONTAIN/DOLLY

    7
CATEGORY> 7

DESCRIPTION> KIT

      1 RECORD(S) ADDED

 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ============================================================

$RECNO   CATEGORY DESCRIPTION
     1   1        MOTOR
     2   2        CASE
     3   3        NOZZLE
     4   4        IGNITER
     5   5        MISCELLANEOUS
     6   6        CONTAIN/DOLLY
     7   7        KIT
```

Example #3 - option 7 - Input to the Location Lookup Table

```
    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

    THIS PROGRAM INPUTS TO THE LOCATION LOOKUP TABLE

THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   LOCATION DESCRIPTION
     1   0        N/A
     2   C        CSD
     3   D        DISPLAY
     4   F        FIRED
     5   H        HWAAP
     6   NL       NASA/LARC
```

```
     7   R         REJECT
     8   TE        ELKTON
     9   TH        HUNTSVILLE
    10   V         VAFB
    11   VD        VOUGHT/DAL
    12   W         WFF


    13
LOCATION> KT

DESCRIPTION> KENTRON

       1 RECORD(S) ADDED

  THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
  ===========================================================

 $RECNO   LOCATION DESCRIPTION
     1    0        N/A
     2    C        CSD
     3    D        DISPLAY
     4    F        FIRED
     5    H        HWAAP
     6    NL       NASA/LARC
     7    R        REJECT
     8    TE       ELKTON
     9    TH       HUNTSVILLE
    10    V        VAFB
    11    VD       VOUGHT/DAL
    12    W        WFF
    13    KT       KENTRON
```

7.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Motor Information file update menu will appear as follows:

```
  MOTOR UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Update   Spares
 2.  Update   Vehicle
 3.  Update   Test Expended
 4.  Update   Note
 5.  Update   Stage    Lookup Table
```

```
6. Update   Category Lookup Table
7. Update   Location Lookup Table
8. Transfer of Components

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

7.2.1 UPDATE SPARES, VEHICLE, AND TEST EXPENDED FILES

Options 1, 2, and 3 allow the user to update a record within one of three data files: Spares, Vehicle, or Test Expended. In order to retrieve the desired record the user must enter the appropriate vehicle number (or description if no number exists), stage number, category number, and component or serial number. A search is performed after the first three data items are entered in order to retrieve those records having the desired stage and category. If some records are found, the user will be prompted for the component or serial number. If the desired record is found it will be displayed in an update screen identical to the motor file input screen illustrated in section 7.4 of this document. See the example below.

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

 ENTER VEHICLE NUMBER > S-205

 ENTER STAGE NUMBER > 3

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

ENTER CATEGORY NO. > 5

COMPONENT-S/N > 5504-5
```

If no records having the desired stage and category are found, a message stating so will be displayed at the terminal screen and the user will be returned to the program main menu. See the example below.

NO RECORD FOUND FOR S-205

WITH STAGE EQUAL TO 3

AND CATEGORY EQUAL 5

If some records having the desired stage and category are found and, after the user has entered the component or serial number, the desired record is not found, the message 'ITEM NOT FOUND' will be displayed. If a carriage return is entered, the user is returned to the prompt 'ENTER VEHICLE NUMBER >'. If a carriage return is entered for this prompt, the user will be returned to the program main menu. If there are multiple records having the same component or serial number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records type an '=' at the prompt 'COMPONENT-S/N >'.

7.2.2 UPDATE NOTE FILE

Option 4 allows the user to update a record in the Note file - the data file which is appended to the motor data file. The update screen for this option is identical to the input screen illustrated in section 7.4 of this document. In order to retrieve the appropriate record the user must enter the stage number, the screen that is to be updated (1st or 2nd), and the note number for that stage. If the note record is not found, a message stating so will be displayed at the terminal screen and the user will be allowed to enter another note number for that same stage. If a carriage return is entered for the note number prompt, the user will be allowed to enter a new stage number. If a carriage return is entered for the stage number prompt, the user is returned to the program main menu. See the example below.

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

      ENTER STAGE NUMBER > 4

      UPDATE FOR SCREEN #1
             OR SCREEN #2

      ENTER OPTION # > 1

      NOTE-NUMBER? > 27

      ITEM NOT FOUND

      NOTE-NUMBER? > ** return **

      ENTER STAGE NUMBER > ** return **
```

7.2.3 UPDATE STAGE, CATEGORY, AND LOCATION LOOKUP TABLES

Options 5, 6, and 7 allow the user to update records in one of the lookup tables used in the Motor Information file. A listing of the current lookup table is displayed at the terminal screen within each update routine. The following examples illustrate these last three options.

Example #1 - option 5 - Update the Stage Lookup Table

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

   THIS PROGRAM UPDATES RECORDS IN THE STAGE LOOKUP TABLE

THE CURRENT STAGE LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
=============================================================

$RECNO   STAGE STAGE-NAME
     1   1     ALGOL II
     2   2     ALGOL IIIA
     3   3     CASTOR II
     4   4     CASTOR IIA
     5   5     ANTARES II
     6   6     ANTARES IIA
     7   7     ANTARES IIB
     8   8     ANTARES III
     9   9     ALTAIR IIIA

RECNO?>5
```

```
                5
STAGE            =5

STAGE-NAME       =ANTARES II

STAGE>5

STAGE-NAME>ANTARES I

RECNO?>    ** return **


 THE STAGE LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ==========================================================

$RECNO    STAGE STAGE-NAME
     1    1     ALGOL II
     2    2     ALGOL IIIA
     3    3     CASTOR II
     4    4     CASTOR IIA
     5    5     ANTARES I
     6    6     ANTARES IIA
     7    7     ANTARES IIB
     8    8     ANTARES III
     9    9     ALTAIR IIIA


 Example #2 - option 6 - Update the Category Lookup Table


  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

  THIS PROGRAM UPDATES RECORDS IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO    CATEGORY DESCRIPTION
     1    1        MOTOR
     2    2        CASE
     3    3        NOZZLE
     4    4        IGNITER
     5    5        MISCELLANEOUS
     6    6        CONTAIN/DOLLY

RECNO?> 6
                6
CATEGORY        = 6

DESCRIPTION     = CONTAIN/DOLLY

CATEGORY> 6

DESCRIPTION> OBSOLETE
```

```
 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ============================================================

$RECNO   CATEGORY DESCRIPTION

     1   1        MOTOR
     2   2        CASE
     3   3        NOZZLE
     4   4        IGNITER
     5   5        MISCELLANEOUS
     6   6        OBSOLETE
```

Example #3 - option 7 - Update the Location Lookup Table

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

  THIS PROGRAM UPDATES RECORDS IN THE LOCATION LOOKUP TABLE

THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   LOCATION DESCRIPTION
     1   0        N/A
     2   C        CSD
     3   D        DISPLAY
     4   F        FIRED
     5   H        HWAAP
     6   NL       NASA/LARC
     7   R        REJECT
     8   TE       ELKTON
     9   TH       HUNTSVILLE
    10   V        VAFB
    11   VD       VOUGHT/DAL
    12   W        WFF

RECNO?> 10
          10
LOCATION            =V

DESCRIPTION         =VAFB

LOCATION> VA

DESCRIPTION>   ** return **   Note that when a carriage return is entered
                              the same field value is taken as default.

RECNO?>   ** return **
```

THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
==========

$RECNO	LOCATION	DESCRIPTION
1	0	N/A
2	C	CSD
3	D	DISPLAY
4	F	FIRED
5	H	HWAAP
6	NL	NASA/LARC
7	R	REJECT
8	TE	ELKTON
9	TH	HUNTSVILLE
10	VA	VAFB
11	VD	VOUGHT/DAL
12	W	WFF

When the update has been completed the user will be returned to the program main menu.

7.2.4 TRANSFER OF COMPONENTS

Option 8 generates the Motor Transfer menu for the Motor Information file, which appears as follows:

MOTOR TRANSFER MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
==========

1. Move Vehicle to Vehicle
2. Move Vehicle to Spare
3. Move Spare to Vehicle
4. Move Spare to Spare
5. Move Spare to Test Expended

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All five options allow the user to move a component from one data file to another data file or to another location in the same data file. The user must enter the vehicle number or description, stage number, category number, and serial number of the component that is to be moved. If more than one component or no components are found having the given information, a message

stating so will be displayed and the user must either begin again by entering the appropriate vehicle number or description, or type 'QUIT' to exit. If the desired component is found, the message 'COMPONENT HAS BEEN FOUND.' will be displayed. The user must then enter the vehicle number or description to which the component is to be reassigned, which the system will automatically display for verification. If the user indicates that the new vehicle number or description is incorrect, the use must either enter another vehicle number or description for reassignment, or type 'QUIT'. If the user types 'QUIT', information for a new component to be transferred may be entered, or the user may type 'QUIT' a second time to exit the routine. When the vehicle number or description for reassignment is correct, the following message will be displayed: 'PLEASE STAND BY .... COMPONENT NOW BEING TRANSFERRED.' The user may then enter information for a new component to be moved, or type 'QUIT' to exit the program. Once any of the five options has been exited, a request for printing an output of the items moved will be made. At least two (2) copies of the report are to be spooled to the printer: one for the engineer responsible for the motor file and one for the financial manager of SPADS. The following message will appear on the terminal screen prior to the spooling menu:

'TWO (2) COPIES OF THIS TRANSFER MUST BE SPOOLED.

(1) FOR THE RESPONSIBLE MOTOR ENGINEER
(2) FOR THE RESPONSIBLE FINANCIAL MANAGER'

The user will then enter the spooling menu and then will be returned to the update menu. See Appendix C-1 for an example of the motor transfer report.

7.2.4.1 TRANSFER VEHICLE TO VEHICLE

Option 1 allows the user to move a component from one vehicle in the vehicle file to another vehicle in the vehicle file. The following example illustrates option 1.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM WILL TRANSFER A COMPONENT FROM THE VEHICLE FILE
TO ANOTHER VEHICLE IN THE VEHICLE FILE.

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

VEHICLE NUMBER  (TYPE  QUIT  TO EXIT)  > S-198

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

ENTER STAGE NUMBER > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

ENTER CATEGORY NUMBER > 1

ENTER THE COMPONENT SERIAL NUMBER > E29

PLEASE STAND BY .... COMPONENT SELECTION NOW BEING MADE.

                     COMPONENT HAS BEEN FOUND.

PLEASE ENTER VEHICLE TO WHICH THE COMPONENT IS TO BE REASSIGNED:

VEHICLE NUMBER (TYPE  QUIT  TO EXIT) > S666

IS S666    THE CORRECT VEHICLE FOR ASSIGNMENT (Y OR N) > N

VEHICLE NUMBER (TYPE  QUIT  TO EXIT) > QUIT
```

```
PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

VEHICLE NUMBER (TYPE  QUIT  TO EXIT)  > QUIT
```

7.2.4.2 TRANSFER VEHICLE TO SPARE

Option 2 allows the user to transfer a component from a vehicle in the vehicle file to a stack in the spares file. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM WILL TRANSFER A COMPONENT FROM THE VEHICLE FILE
TO ANOTHER STACK IN THE SPARES FILE.

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

VEHICLE NUMBER  (TYPE  QUIT  TO EXIT)  > S-198

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

ENTER STAGE NUMBER > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

ENTER CATEGORY NUMBER > 3

ENTER THE COMPONENT SERIAL NUMBER > 107

PLEASE STAND BY .... COMPONENT SELECTION NOW BEING MADE.

                    COMPONENT HAS BEEN FOUND.

PLEASE ENTER SPARE DESCRIPTION TO WHICH THE COMPONENT IS TO BE REASSIGNED:
```

```
SPARE DESCRIPTION (TYPE  QUIT  TO EXIT) > S444

IS S444   THE CORRECT DESCRIPTION FOR ASSIGNMENT (Y OR N) > N

SPARE DESCRIPTION (TYPE  QUIT  TO EXIT) > QUIT

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

VEHICLE NUMBER  (TYPE  QUIT  TO EXIT) > QUIT
```

7.2.4.3 TRANSFER SPARE TO VEHICLE

Option 3 allows the user to transfer a component from the spares file to a vehicle in the vehicle file. See the following example.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM WILL TRANSFER A COMPONENT FROM THE SPARES FILE

TO ANOTHER VEHICLE IN THE VEHICLE FILE.

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

SPARE DESCRIPTION  (TYPE  QUIT  TO EXIT)  > SPARE

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

 ENTER STAGE NUMBER > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

 ENTER CATEGORY NUMBER > 4

 ENTER THE COMPONENT SERIAL NUMBER > 062

 PLEASE STAND BY .... COMPONENT SELECTION NOW BEING MADE.
```

```
                    COMPONENT HAS BEEN FOUND.

 PLEASE ENTER VEHICLE NUMBER TO WHICH THE COMPONENT IS TO BE REASSIGNED:

 VEHICLE NUMBER (TYPE  QUIT  TO EXIT) > S333

 IS S333 THE CORRECT VEHICLE FOR ASSIGNMENT (Y OR N) > N

 VEHICLE NUMBER (TYPE  QUIT  TO EXIT) QUIT

 PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

 SPARE DESCRIPTION  (TYPE  QUIT  TO EXIT)  > QUIT
```

7.2.4.4 TRANSFER SPARE TO SPARE

Option 4 allows the user to transfer a component from the spares file to another stack within the spares file. See the following example.

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

 THIS PROGRAM WILL TRANSFER A COMPONENT FROM THE SPARES FILE

 TO ANOTHER STACK IN THE SPARES FILE.

 PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

 SPARE DESCRIPTION  (TYPE  QUIT  TO EXIT)  > SPARE

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

 ENTER STAGE NUMBER > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

 ENTER CATEGORY NUMBER > 6
```

ENTER THE COMPONENT SERIAL NUMBER > ADC-013

PLEASE STAND BY .... COMPONENT SELECTION NOW BEING MADE.

COMPONENT HAS BEEN FOUND.

PLEASE ENTER SPARE DESCRIPTION TO WHICH THE COMPONENT IS TO BE REASSIGNED:

SPARE DESCRIPTION (TYPE QUIT TO EXIT) > S666

IS S666 THE CORRECT DESCRIPTION FOR ASSIGNMENT (Y OR N) > N

SPARE DESCRIPTION (TYPE QUIT TO EXIT) > QUIT

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

SPARE DESCRIPTION (TYPE QUIT TO EXIT) > QUIT

7.2.4.5 TRANSFER SPARE TO TEST EXPENDED

Option 5 allows the user to transfer a component from the spares file to the test expended file. See the following example.

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS PROGRAM WILL TRANSFER A COMPONENT FROM THE SPARES FILE

TO ANOTHER STACK IN THE TEST EXPENDED FILE.

PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

SPARE DESCRIPTION (TYPE QUIT TO EXIT) > SPARE

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

ENTER STAGE NUMBER > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS

```
6 CONTAIN/DOLLY

 ENTER CATEGORY NUMBER > 4

 ENTER THE COMPONENT SERIAL NUMBER > 063

 PLEASE STAND BY .... COMPONENT SELECTION NOW BEING MADE.

                      COMPONENT HAS BEEN FOUND.

 PLEASE ENTER DESCRIPTION TO WHICH THE COMPONENT IS TO BE REASSIGNED:

 TEST EXPENDED DESCRIPTION (TYPE  QUIT  TO EXIT) > S555

 IS S555   THE CORRECT TEST EXPENDED FOR ASSIGNMENT (Y OR N) > N

 TEST EXPENDED DESCRIPTION (TYPE  QUIT  TO EXIT) > QUIT

 PLEASE ENTER INFORMATION FOR THE COMPONENT THAT IS TO BE MOVED:

 SPARE DESCRIPTION  (TYPE  QUIT  TO EXIT)  > QUIT
```

7.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Motor Information file delete menu will appear as follows:

```
  MOTOR DELETION MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Delete Record in the Category Lookup Table
 2.  Delete Record in the Location Lookup Table
 3.  Delete Record in the Stage    Lookup Table

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

For security reasons, the capability to delete a record from the motor file data base is not provided in the motor file delete menu.

All three options allow the user to delete a record from one of the lookup tables used in the Motor Information file. A listing of the current

lookup table is displayed at the terminal screen within each delete routine.

When the deletion is completed, the user is returned to the program main menu.

The following examples illustrate these options.

Example #1 - option 1 - Delete a record in the Category Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

 THIS PROGRAM DELETES A RECORD IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CATEGORY DESCRIPTION
     1   1        MOTOR
     2   2        CASE
     3   3        NOZZLE
     4   4        IGNITER
     5   5        MISCELLANEOUS
     6   6        CONTAIN/DOLLY

 ENTER CATEGORY TO BE DELETED > 6

THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
============================================================

$RECNO   CATEGORY DESCRIPTION
     1   1        MOTOR
     2   2        CASE
     3   3        NOZZLE
     4   4        IGNITER
     5   5        MISCELLANEOUS
```

Example #2 - option 2 - Delete a record from the Location Lookup Table

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

  THIS PROGRAM DELETES A RECORD IN THE LOCATION LOOKUP TABLE

THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   LOCATION DESCRIPTION
     1   0        N/A
     2   C        CSD
     3   D        DISPLAY
     4   F        FIRED
```

```
     5   H         HWAAP
     6   NL        NASA/LARC
     7   R         REJECT
     8   TE        ELKTON
     9   TH        HUNTSVILLE
    10   V         VAFB
    11   VD        VOUGHT/DAL
    12   W         WFF

 ENTER LOCATION TO BE DELETED > VD


THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
============================================================

$RECNO   LOCATION DESCRIPTION
     1   0         N/A
     2   C         CSD
     3   D         DISPLAY
     4   F         FIRED
     5   H         HWAAP
     6   NL        NASA/LARC
     7   R         REJECT
     8   TE        ELKTON
     9   TH        HUNTSVILLE
    10   V         VAFB
    11   W         WFF


 Example #3 - option 3 - Delete a record from the Stage Lookup Table

   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

   THIS PROGRAM DELETES A RECORD IN THE STAGE LOOKUP TABLE

THE CURRENT STAGE LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
============================================================

$RECNO   STAGE STAGE-NAME
     1   1     ALGOL II
     2   2     ALGOL IIIA
     3   3     CASTOR II
     4   4     CASTOR IIA
     5   5     ANTARES II
     6   6     ANTARES IIA
     7   7     ANTARES IIB
     8   8     ANTARES III
     9   9     ALTAIR IIIA

    ENTER STAGE TO BE DELETED > 3
```

```
THE STAGE LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
=========================================================

$RECNO   STAGE STAGE-NAME
     1   1     ALGOL II
     2   2     ALGOL IIIA
     3   4     CASTOR IIA
     4   5     ANTARES II
     5   6     ANTARES IIA
     6   7     ANTARES IIB
     7   8     ANTARES III
     8   9     ALTAIR IIIA
```

7.4 REPORT OPTION

The report menu for the Motor file appears as follows:

```
   1.  Dump Spares         File
   2.  Dump Vehicle        File
   3.  Dump Test Expended  File
   4.  Dump Note           File
   5.  Information       Report
   6.  Cost Information  Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Options 1 through 4 are complete dumps of each data file. Due to the extensive size of each file, no terminal screen output is given. Since the printouts are long, it is recommended that users do not spool these dumps to Letter Quality Printers. Refer to Appendix C-2 for an example of the Motor file Test Expended Dump report output format, and to Appendix C-3 for an example of the Motor file Note File Dump report output format.

Options 5 and 6 are recommended for use and both compile information with identical search criteria. Option 5, the Information Report, displays the complete data records from the specified file (Vehicle, Spare, or Test Expended) that satisfy the following search criteria: Vehicle Number / Description, Stage, Category, Contract Number, and Contract Miscellaneous. A carriage return entered for any of these fields indicates that

all records are to be selected for this field. When retrieval has been completed, a printout may be spooled. Refer to the example report below. See Appendix C-4 for an example of the Motor Information Report output format.

Option 6, the Cost Information Report, generates cost reports grouped by vehicle with subtotals and grand totals. The report is not displayed on the terminal screen and so must be spooled for the user to view the information. Refer to Appendix C-5 for an example of the Motor Cost Information Report output format.

Example of option 5 - Information Report

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS PROGRAM DISPLAYS INFORMATION FOR ANY VEHICLE, SPARE, OR
TEST EXPENDED WITH STAGE AND CATEGORY OPTIONS.  PRINTER OUTPUT
                ALSO AVAILABLE.

FILE SELECTION > 1
0. EXIT
1. VEHICLE
2. SPARES
3. TEST EXPENDED

ENTER VEHICLE DESCRIPTION  OR  BLANK FOR ALL > ** return **

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

ENTER STAGE NUMBER  OR  BLANK FOR ALL > 9

1 MOTOR
2 CASE
3 NOZZLE
```

```
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

ENTER CATEGORY NUMBER  OR  BLANK FOR ALL > 3

ENTER CONTRACT NUMBER  OR  BLANK FOR ALL >  NAS1- ** return **

ENTER CONTRACT MOD / TASK MISCELLANEOUS  OR  BLANK FOR ALL > ** return **

      PLEASE STAND BY :::::: SEARCH NOW IN PROGRESS

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                    INFORMATION REPORT FOR NRL-01
                  ====================================

 STAGE            COMPONENT OR SERIAL NUMBER      CAST    CONTRACT     MOD/TASK
 CATEGORY         COMMENT(S)                      EXP     LOCATION     COST
 ------------     ------------------------------  -----   ----------   --------

 ALTAIR IIIA      010                                     NAS1-11400   3.D.2.
NOZZLE            SEE ALTAIR NOTE 18                      FIRED        $   8016


 ALTAIR IIIA      104                                     NAS1-14200   (3.A.)
NOZZLE                                                    FIRED        $      0

 ALTAIR IIIA      004                                     NAS1-11400   3.D.2.
NOZZLE            SEE ALTAIR NOTE 18                      FIRED        $   8016
```

7.5 SEARCH OPTION

The search menu for the Motor file appears as follows:

1. Retrieve on Comment
2. Retrieve on Location
3. Retrieve on Cast Date
4. Retrieve on Expiration Date
5. Retrieve on Component / Serial #

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches display complete data records from the specified file (Vehicle, Spares, or Test Expended). The Stage and Category search criteria are used in all 5 options, where a blank indicates all records to be selected

for this field. All retrievals are partial field searches, such as retrieval for the word 'RING' contained in the COMMENT field. When retrieval is completed and displayed at the terminal screen, a printout may be spooled.

7.6 SAMPLE SEARCHES

The purpose of this section is to illustrate the terminal actions required to perform the Comment search and the Location search routines for the Motor Information file. All the search options use the same report format that is used in the example on page 84.

Example #1 - Search option 1 - Comment search

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS IS THE COMMENT SEARCH / QUERY ROUTINE FOR THE MOTOR FILE
THIS PROGRAM DISPLAYS INFORMATION FOR ANY VEHICLE, SPARE, OR
TEST EXPENDED WITH STAGE AND CATEGORY OPTIONS.
PRINTER OUTPUT OPTIONS ALSO AVAILABLE.

 FILE SELECTION > 1
0. EXIT
1. VEHICLE
2. SPARES
3. TEST EXPENDED

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

 ENTER STAGE NUMBER  OR  BLANK FOR ALL > 9

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
```

```
5 MISCELLANEOUS
6 CONTAIN/DOLLY

 ENTER CATEGORY NUMBER  OR  BLANK FOR ALL > ** return **

 PLEASE STAND BY ::::::: SEARCHING NOW FOR STAGE & CATEGORY

  226 RECORDS SELECTED FROM FILE 1

  STAGE       :  9   &   CATEGORY   :  0

 ENTER COMMENT TO BE SEARCHED ON > RING

    COMMENT SEARCH FOR  RING              FOUND     8 RECORDS

 TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY

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                      SEARCH / QUERY REPORT FOR NRL-07

                   COMMENT :: RING

 STAGE              COMPONENT OR SERIAL NUMBER      CAST    CONTRACT     MOD/TASK
 CATEGORY           COMMENT(S)                      EXP     LOCATION     COST
 -------------      ------------------------------  -----   ----------   --------

 ALTAIR IIIA        068                                     NAS1-14200
CASE                HAS 3 RING FORG COMPS., NOTE 7          FIRED        $      0

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                      SEARCH / QUERY REPORT FOR NRL-09

                   COMMENT :: RING

 STAGE              COMPONENT OR SERIAL NUMBER      CAST    CONTRACT     MOD/TASK
 CATEGORY           COMMENT(S)                      EXP     LOCATION     COST
 -------------      ------------------------------  -----   ----------   --------

 ALTAIR IIIA        072                                     NAS1-14200   (3.L.1.)
CASE                HAS RING FORG COMPONENT                 VAFB         $      0


 Example #2 - Search option 2 - Location search

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
```

```
  THIS IS THE LOCATION SEARCH / QUERY ROUTINE FOR THE MOTOR FILE

  THIS PROGRAM DISPLAYS INFORMATION FOR ANY VEHICLE, SPARE, OR

  TEST EXPENDED WITH STAGE AND CATEGORY OPTIONS.

  PRINTER OUTPUT OPTIONS ALSO AVAILABLE.

  FILE SELECTION > 2

0. EXIT
1. VEHICLE
2. SPARES
3. TEST EXPENDED

1 ALGOL II
2 ALGOL IIIA
3 CASTOR II
4 CASTOR IIA
5 ANTARES II
6 ANTARES IIA
7 ANTARES IIB
8 ANTARES III
9 ALTAIR IIIA

 ENTER STAGE NUMBER  OR  BLANK FOR ALL > ** return **

1 MOTOR
2 CASE
3 NOZZLE
4 IGNITER
5 MISCELLANEOUS
6 CONTAIN/DOLLY

 ENTER CATEGORY NUMBER  OR  BLANK FOR ALL > ** return **

 THE CURRENT AVAILABLE LOCATION CODES ARE AS FOLLOWS:
 ================================================

0      N/A
C      CSD
D      DISPLAY
F      FIRED
H      HWAAP
NL     NASA/LARC
R      REJECT
TE     ELKTON
TH     HUNTSVILLE
V      VAFB
VD     VOUGHT/DAL
W      WFF

  ENTER LOCATION CODE TO BE SEARCHED ON > TH
```

```
 PLEASE STAND BY :::::: SEARCHING NOW FOR STAGE & CATEGORY

    147 RECORDS SELECTED FROM FILE 2

    STAGE       :  0   &   CATEGORY   :  0

    LOCATION CODE SEARCH FOR   TH     FOUND    13 RECORDS

    TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY

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                        SEARCH / QUERY REPORT FOR SPARE

                         LOCATION CODE :: TH

STAGE              COMPONENT OR SERIAL NUMBER      CAST    CONTRACT     MOD/TASK
CATEGORY           COMMENT(S)                      EXP     LOCATION     COST
-------------      ------------------------------  -----   ----------   --------

 CASTOR IIA        620-19                                  NAS1- 5034
NOZZLE                                                     HUNTSVILLE   $      0

 CASTOR IIA        510-003A                                NAS1-    0
CONTAIN/DOLLY                                              HUNTSVILLE   $      0

 CASTOR IIA        620-019                                 NAS1-    0
CONTAIN/DOLLY                                              HUNTSVILLE   $      0
```

7.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When an N is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the prompt 'NOTES WITH OUTPUT (Y OR N) >' is displayed. The SPOOLING menu will now appear as described in Section 3.1.

7.8 ARCHIVE OPTION

Due to the design of the data files in the Motor Information file data base, archiving capability is not provided in this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

8.0 HISTORY INFORMATION FILE

This file contains history information for all Scout Project launched vehicles. The data base is divided into four (4) subfiles: Vehicle Configurations, Motor Stacks, Orbital Achievements, and References / Contract Data. Each subfile contains record information on every vehicle by VEHICLE NUMBER. The numbers range from S-110 to S-217.

Information for each vehicle information record is stored in the following fields:

VEHICLE HISTORY INFORMATION

VEHICLE NUMBER >	PAYLOAD >	LAUNCH DATE >
MISSION TYPE >	LAUNCH SITE >	FLIGHT OUTCOME>
FLIGHT NUMBER >	4TH STAGE TM TYPE >	4TH STAGE TM NO. >
HEATSHIELD MATL>	HEATSHIELD TYPE >	HEATSHIELD NO. >
P/L SEP SYSTEM >	P/L SEP TYPE >	P/L SEP NUMBER >

SCOUT FIRST OR FLIGHT UNIQUE :

REMARKS >

Information for each motor information record is stored in the following fields:

MOTOR HISTORY INFORMATION

VEHICLE NUMBER >

1ST STAGE MOTOR TYPE >	1ST STAGE MOTOR NO. >
2ND STAGE MOTOR TYPE >	2ND STAGE MOTOR NO. >
3RD STAGE MOTOR TYPE >	3RD STAGE MOTOR NO. >
4TH STAGE MOTOR TYPE >	4TH STAGE MOTOR NO. >

Information for each orbital information record is stored in the following fields:

ORBITAL HISTORY INFORMATION

VEHICLE NUMBER >

	PREDICTED	ACTUAL
PAYLOAD WEIGHT >		
APOGEE >		
PERIGEE >		
INCLINATION >		
SPIN RATE >		
ALTITUDE >		
MAX VELOCITY >		

PREFLIGHT REPORT >

POSTFLIGHT REPORT>

HISTORY SUMMARY REFERENCE:

Information for each contract and reference information record is stored in the following fields:

REFERENCE / CONTRACT HISTORY INFORMATION

VEHICLE NUMBER > CONTRACT NUMBER(S) >NAS1-

PAYLOAD/VEHICLE DRAWING > GSE DRAWING >

H2O2 2ND STAGE WEIGHT > H2O2 3RD STAGE WEIGHT >

OTHER REFERENCES:

REMARKS / ANOMALIES:

The History Information file program main menu appears as follows:

```
  HISTORY PROGRAM MAIN MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input    Menu
 2.  Update   Menu
 3.  Report   Menu
 4.  Search   Menu

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The history program main menu has 4 options: options 1 and 2, INPUT and UPDATE, which are privileged menus and require a security clearance, and options 3 and 4, REPORT and SEARCH, which have open access. All of these options are described in the following sections.

8.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the History Information file Input menu will appear as follows:

```
  HISTORY INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input to History Information Files

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The only option in the history file input menu allows the user to input records into the History Information file data base, which consists of four subfiles: Vehicle History Information, Motor History Information, Orbital History Information, and Reference / Contract History Information.

When adding a record to the history file, the user must input into all four subfiles, as four separate input screens will be automatically displayed. If no data is to be input into a particular subfile, the first field - Vehicle Number - must still be entered. The four input screens for the History Information file will appear as follows:

Input Screen #1 - Vehicle History Information

VEHICLE HISTORY DATA FILE

VEHICLE NUMBER >..... PAYLOAD >..... LAUNCH DATE >.....

MISSION TYPE >..... LAUNCH SITE >..... FLIGHT OUTCOME >.....

FLIGHT NUMBER >..... 4TH STAGE TM TYPE >..... 4TH STAGE TM NO. >.....

HEATSHIELD MATL>..... HEATSHIELD TYPE >..... HEATSHIELD NO. >.....

P/L SEP SYSTEM >..... P/L SEP TYPE >..... P/L SEP NUMBER >.....

SCOUT FIRST OR FLIGHT UNIQUE :
>.....<

REMARKS >.....

Input Screen #2 - Motor History Information

MOTOR HISTORY DATA FILE

VEHICLE NUMBER >.....

1ST STAGE MOTOR TYPE >..... 1ST STAGE MOTOR NO. >.....

2ND STAGE MOTOR TYPE >..... 2ND STAGE MOTOR NO. >.....

3RD STAGE MOTOR TYPE >..... 3RD STAGE MOTOR NO. >.....

4TH STAGE MOTOR TYPE >..... 4TH STAGE MOTOR NO. >.....

Input Screen #3 - Orbital History Information

ORBITAL HISTORY DATA FILE

VEHICLE NUMBER >.....

	PREDICTED	ACTUAL
PAYLOAD WEIGHT >.....		
APOGEE >	.....	.....
PERIGEE >	.....	.....
INCLINATION >	.....	.....
SPIN RATE >	.....	.....
ALTITUDE >	.....	.....
MAX VELOCITY >	.....	.....

PREFLIGHT REPORT >.....

POSTFLIGHT REPORT>.....

HISTORY SUMMARY REFERENCE:
.....

Input Screen #4 - Reference / Contract History Information

REFERENCE / CONTRACT HISTORY DATA FILE

VEHICLE NUMBER >..... CONTRACT NUMBER(S) >NAS1-.....

PAYLOAD/VEHICLE DRAWING >..... GSE DRAWING >.....

H2O2 2ND STAGE WEIGHT > ..... H2O2 3RD STAGE WEIGHT > .....

OTHER REFERENCES:
.....

REMARKS / ANOMALIES:
.....

8.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the History Information file update menu

will appear as follows:

```
    HISTORY UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Update   History of Vehicle
 2.  Update   History of Motors
 3.  Update   History of Orbital Data
 4.  Update   History of References / Contracts

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

All options allow the user to update a record within one of the sub-files. In order to retrieve the desired record, the user must enter the appropriate vehicle number. If found, the record will be displayed in an update screen identical to the corresponding input screen illustrated in 8.1 of this document. When the update is completed, 'VEHICLE-NUMBER?>' will be displayed. If no other records are desired, entering a carriage return will return the user to the program main menu. If the desired record is not found, 'ITEM NOT FOUND' will be displayed and the user may enter another vehicle number. Again, a carriage return will return the user to the program main menu. If there are multiple records having the same vehicle number, only the first record will be displayed on the input / update screen. To retrieve subsequent records, type an '=' at the prompt 'VEHICLE-NUMBER?>'. The example below illustrates option 1, updating a record in the Vehicle History Information file. Options 2, 3, and 4 operate in the same fashion.

```
    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

    THIS PROGRAM WILL ALLOW REVISIONS TO THE VEHICLE HISTORY
    FILE BY ENTERING THE VEHICLE NUMBER YOU WANT TO BE CHANGED

    VEHICLE-NUMBER?> S-234

    ITEM NOT FOUND
```

VEHICLE-NUMBER?> ** return **

8.3 DELETE OPTION

For security reasons, delete capability is not provided within the History Information file data base area.

8.4 REPORT OPTION

The report menu for the History Information file appears as follows:

1. Dump of Vehicle History File
2. Dump of Motor History File
3. Dump of Orbital History File
4. Dump of Reference / Contract History
5. Information Report for any subfile

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

Options 1 through 4 are complete dumps of each data file. Due to the extensive size of each file, no terminal screen output is given. Since the printouts are long, it is recommended that users do not spool these dumps to Letter Quality Printers.

Option 5 allows the information for any subfile to be retrieved by VEHICLE NUMBER as described below. Note that the 'S-' must be on the number for the correct record to be found.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

 THIS PROGRAM DISPLAYS ON THE SCREEN ANY CHOICE OF HISTORY
 INFORMATION FOR ANY SPECIFIC VEHICLE.  PRINTER OUTPUT OPTIONAL.

 ENTER VEHICLE NUMBER OR BLANK FOR ALL > S-205

1) VEHICLE HISTORY
2) MOTOR   HISTORY
3) ORBITAL HISTORY
4) REFERENCE / CONTRACT HISTORY

ENTER OPTION NUMBER (ZERO OR RETURN TO EXIT) > 1
```

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VEHICLE HISTORY INFORMATION

VEHICLE NUMBER >S-205C PAYLOAD >P83-1(HILAT) LAUNCH DATE > 6/27/1983

LAUNCH SITE >VAFB FLIGHT NUMBER >103 FLIGHT OUTCOME >SUCCESS

MISSION TYPE >ORBITAL 4TH STAGE TM TYPE >COMP 4TH STAGE TM NO. >025

HEATSHIELD MATL >FG/C HEATSHIELD TYPE >42, -45 HEATSHIELD NO. >A-519

P/L SEP SYSTEM >YES P/L SEP TYPE >P/L P/L SEP NUMBER >N/A

SCOUT FIRST OR FLIGHT UNIQUE :
FIRST RECONFIGD AF CASTOR/UPDATED PH VII TO PH VIII/SHIMMED 'D' SECT

REMARKS >BEGIN STATIC BALANCE MIDDLE "D", USE SHIMS, VEH. CONFIG D-1

OUTPUT TO PRINTER (Y OR N) >

1) VEHICLE HISTORY
2) MOTOR HISTORY
3) ORBITAL HISTORY
4) REFERENCE / CONTRACT HISTORY

ENTER OPTION NUMBER (ZERO OR RETURN TO EXIT) > ** return **

8.5 SEARCH OPTION

The search menu for the History Information file allows the user to select the appropriate search menu for a desired subfile as shown below:

1. Vehicle History Search / Query
2. Motor History Search / Query
3. Orbital History Search / Query
4. Contract History Search / Query

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches display complete data records from the specified subfile. All character field retrievals are partial field searches, such as find the word 'FIRST' contained in the 'REMARKS' field. All numeric field

retrievals are 'GREATER THAN' / 'LESS THAN' searches as shown in the example below. When a search has been completed and displayed at the terminal, the user may spool a printout to a printer.

Each of the four (4) search menu options are described in the following sections.

8.5.1 VEHICLE SEARCH

The search menu for the History Vehicle file appears as follows:

1. Vehicle Number
2. Mission Type
3. Payload
4. Launch Date
5. Launch Site
6. Flight Number
7. Flight Outcome
8. Flight Unique / First
9. Remarks
10. 4th Stage TM Type
11. 4th Stage TM Number
12. Separation System
13. Separation Type
14. Separation Number
15. Heatshield Type
16. Heatshield Number
17. Heatshield Material

8.5.2 MOTOR SEARCH

The search menu for the History Motor file appears as follows:

1. Vehicle Number
2. 1st Stage Motor Type
3. 2nd Stage Motor Type
4. 3rd Stage Motor Type
5. 4th Stage Motor Type
6. 1st Stage Motor Number
7. 2nd Stage Motor Number
8. 3rd Stage Motor Number
9. 4th Stage Motor Number

8.5.3 ORBITAL SEARCH

The search menu for the History Orbital file appears as follows:

```
 1.  Vehicle      Number
 2.  Pre-Flight   Report
 3.  Post-Flight  Report
 4.  Historical   Summary
 5.  Payload      Weight
 6.  Maximum      Velocity    (Actual / Predicted)
 7.  Apogee                   (Actual / Predicted)
 8.  Perigee                  (Actual / Predicted)
 9.  Inclination              (Actual / Predicted)
10.  Spin Rate                (Actual / Predicted)
11.  Altitude                 (Actual / Predicted)
```

The user should note that all options in this record EXCEPT 1, 2, 3, and 4 are numeric fields using the 'GREATER THAN' / 'LESS THAN' search criteria. The others are partial character field searches.

8.5.4 CONTRACT / REFERENCE SEARCH

The search menu for the Contract/Reference file appears as follows:

```
1.  Vehicle  Number
2.  Contract Number
3.  Payload  Vehicle Drawing
4.  Payload  GSE     Drawing
5.  Remarks
6.  References
7.  H2O2 2nd Stage Weight
8.  H2O2 3rd Stage Weight
```

The user should note that options 7 and 8 are numeric fields using the special 'GREATER THAN' / 'LESS THAN' search criteria.

8.6 SAMPLE SEARCHES

The purpose of this section is to demonstrate the user actions performed in a typical search and retrieval in any one of the four History subfiles. Example # 1 is a partial search on a character field CONTRACT in the

CONTRACT / REFERENCE subfile. Example # 2 is a number search on a numeric field H202 2nd Stage Weight, also in the CONTRACT / REFERENCE subfile.

EXAMPLE 1:

```
THIS ROUTINE PERFORMS THE CONTRACT NUMBER QUERY / RETRIEVAL ON THE
   CONTRACT / REFERENCE HISTORY FILE

ENTER CONTRACT NUMBER TO BE SEARCHED ON >    110

CONTRACT NUMBER SEARCH FOR 110 FOUND      15 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

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                  REFERENCE / CONTRACT HISTORY INFORMATION
                  CONTRACT NUMBER :: 110

VEHICLE NUMBER >S-193C  CONTRACT NUMBER(S) >NAS1-11000

PAYLOAD/VEHICLE DRAWING >23-003073            GSE DRAWING >331-39723

H202 2ND STAGE WEIGHT > 39.00       H202 3RD STAGE WEIGHT >  4.00



OTHER REFERENCES:
VOLUME II-2 3-34100/9R-12 AUG. 4, 1975 PAGE 3-11,REV.C SUMMARY OF BOOST TRAJ.

REMARKS / ANOMALIES:
NO
```

EXAMPLE 2:

```
THIS ROUTINE PERFORMS THE H202 2ND STAGE WEIGHT QUERY / RETRIEVAL ON THE
   CONTRACT / REFERENCE HISTORY FILE

ENTER H202 2ND STAGE WEIGHT VALUES

GREATER THAN >   42      BUT LESS THAN >   45

SEARCH PROCESSING FOR H202 2ND STAGE WEIGHTS BETWEEN 42   & 45
```

```
H202 2ND STAGE WEIGHT SEARCH BETWEEN 42     & 45    FOUND      6 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

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                    REFERENCE / CONTRACT HISTORY INFORMATION
                    H202 2ND STAGE WEIGHTS BETWEEN 42 & 45

VEHICLE NUMBER >S-122R  CONTRACT NUMBER(S) >NAS1-1295

PAYLOAD/VEHICLE DRAWING >23-002001              GSE DRAWING >

H202 2ND STAGE WEIGHT > 42.00     H202 3RD STAGE WEIGHT > 3.20



OTHER REFERENCES:

REMARKS / ANOMALIES:
NO
```

8.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When an N is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in section 3.1.

8.8 ARCHIVE OPTION

Due to the design of the History Information file program and the

data files, no archiving capability is provided within this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

9.0 CHANGE REQUEST FILE

The purpose of this section is to describe all of the operating procedures for the Change Request data base file. This file is a database area containing Change Requests (C/R's) that have been written in reference to Scout Standard Operating Procedures (SOP's). Change Requests will be numbered consecutively with one of the following prefixes: DAL (DALlas / Vought), WI (Wallops Island / Vought), WFC (Wallops Flight Center / NASA), SPO (Scout Project Office / NASA), SM (San Marco), or PA (Point Arguello VAFB / Vought). The letter suffix represents the revision, for example: DAL3100B or WI 2333A.

The Change Request file is used as a continuously updated log of Change Request traffic, and to record the NASA / LaRC / SPO preliminary disposition of all Change Requests. The final disposition of Change Requests is via a TWX message to the contractor and is tracked in the Mark Up file (see section 14.0).

Information for each record is stored in the following fields:

1) CHANGE REQUEST NUMBER :

2) DATE :

3) TITLE :

4) DRAWINGS / COMMENTS :

5) VEHICLES :

6) SYSTEMS :

7) STATUS :

8) PROCEDURE / ENGINEER :

The Change Request file program main menu appears as follows:

```
Welcome to SPADS - Change Request File

Available Options are as follows:
=================================

(0)  Exit    - quit program (Return)
(1)  Input   - add new records to file
(2)  Update  - revise or delete records
(3)  Search  - query & retrieve records
(4)  Archive - purge & save old records
(5)  Quickie - fast change or output of records
(6)  Rebuild - Sorting & housekeeping of data file

Enter Option >
```

The Change Request file main menu has six (6) options: options 1, 2, and 4, INPUT, UPDATE, and ARCHIVE, which are privileged options and require a security clearance, and options 3, 5, and 6, SEARCH, QUICKIE, and REBUILD, which have open access. All options are discussed in the following sections.

9.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Change Request file input routine will operate as follows:

```
    Enter Option > 1
WELCOME TO THE CHANGE REQUEST FILE INPUT ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS
(1) CHANGE REQUEST NUMBER
!AAANNNNA!
 DAL3026
 DAL3026
```

```
(2) DATE
!MMDDYY!
  2 482
  2 482

(3) TITLE (76 CHAR)
!
 DELETE BONDING OF CASTOR NOZZLE PLUG SOP-3-4-5
 DELETE BONDING OF CASTOR NOZZLE PLUG SOP-3-4-5

(4) EFFECTED DRAWING / COMMENTS
!


!


!                  !


(5) VEHICLE
!    !    !    !    !
 206
 206    0    0    0

(6) SYSTEM: (ELEC,GUID,MECH,PROP,RF,SOP,MGSE,EGSE,FGSE,CONT,H202)
!    !    !    !    !
 PROP
 PROP

(7) STATUS - APPROVAL OPEN REJECTION WITHDRAWN REVISED  (APP OPN REJ WDN REV)
!   !
 APP
 APP

(8) EFFECTED PROCEDURE
!    !    !    !    !    !    !    !    !    !    !    !    !    !    !    !    !
 345
  345    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0


  1) CHANGE REQUEST NUMBER : DAL3026
  2) DATE                  :  2- 4-82
  3) TITLE                 :
  DELETE BONDING OF CASTOR NOZZLE PLUG SOP-3-4-5
  4) DRAWINGS / COMMENTS   :
  5) VEHICLES              : 206    0    0    0
  6) SYSTEMS               : PROP
  7) STATUS                : APP
  8) PROCEDURE / ENGINEER  :  345      FPK/KFT

RECORD CORRECT (COR)  **  NEED REVISE  (REV) > COR
```

```
 More Input  (Y or N) > N

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED TO PRINTER !!!!


  *** SPECIAL DISTRIBUTION PAGE ***
   SPOOL TO LQP : "Z", "B", OR "A"

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX

 ENTER OPTION NUMBER > 0

 NO OUTPUT SPOOLED TO PRINTER !!!!

Data Base File needs Sorting ... Run option # 6 when ready
```

The codes for the systems in data field number six (6) of the input record represent the following:

```
ELEC - Electrical                              GUID - Guidance
MECH - Mechanical                              PROP - Propulsion
RF   - Radio Frequency                         CONT - Control
MGSE - Mechanical Ground Support Equipment     H2O2 - Hydrogen Peroxide
EGSE - Electrical Ground Support Equipment
FGSE - Fluid      Ground Support Equipment
SOP  - Standard Operating Procedure
```

When the input record is displayed on the terminal screen, the user must either enter 'COR' to indicate that the record is correct, or 'REV' to indicate that the record needs revision. If the user responds with 'REV' the system will prompt the user for how many and which fields need to be corrected. When the input has been completed, the user will have a chance to spool a hard copy of the input record(s) and a distribution list (spooled to a letter quality printer using 8.5 x 11 paper), and will then be returned to the program main menu. Refer to Appendix D-1 for an example of the

Change Request Input Report output format and to Appendix D-2 for an example of the Change Request Distribution List output format. The Rebuild option (option 6) must be run before any more operations are performed on the Change Request data base.

9.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Change Request file update routine will operate as follows:

```
    Enter Option > 2
WELCOME TO THE CHANGE FILE REVISE ROUTINE

PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS

Enter Change Request Number to be Revised or Deleted
AAANNNNA
DAL2780

 STAND BY.  SEARCH NOW IN PROGRESS.

 SORRY, DOCUMENT DAL2780  HAS NOT BEEN FOUND

Enter Change Request Number to be Revised or Deleted
AAANNNNA
DAL3100

 STAND BY.  SEARCH NOW IN PROGRESS.

  1) CHANGE REQUEST NUMBER : DAL3100
  2) DATE                  : 12-10-82
  3) TITLE                 :
  UPPER C ASSEMBLY REACTION CONTROL SYSTEM OPERATIONAL TEST
  4) DRAWINGS / COMMENTS   :
  5) VEHICLES              :   0    0    0    0
  6) SYSTEMS               : CONT H202
  7) STATUS                : REV
  8) PROCEDURE / ENGINEER  :  448      RLD/KFT

 Is this the correct document (YES or NO) > YES

 Document Revised or Deleted (REV or DEL) > REV
```

```
How many items do you wish to Revise > 1

Enter item number to be Revised > 5

(5) VEHICLE
!    !    !    !    !
 202S

 202S   0    0    0

  1) CHANGE REQUEST NUMBER : DAL3100
  2) DATE                  : 12-10-82
  3) TITLE                 :
  UPPER C ASSEMBLY REACTION CONTROL SYSTEM OPERATIONAL TEST
  4) DRAWINGS / COMMENTS   :
  5) VEHICLES              : 202S   0    0    0
  6) SYSTEMS               : CONT H2O2
  7) STATUS                : REV
  8) PROCEDURE / ENGINEER  :  448      RLD/KFT

RECORD CORRECT (COR)  **  NEED REVISE  (REV) > COR

Enter Change Request Number to be Revised or Deleted
AAANNNNA
** return **
```

When the updated record is displayed the user must type either 'COR', to indicate that the record is correct, or 'REV' to indicate that the record needs further revision. If the user responds with 'REV', the system will again prompt for how many and which fields need to be updated. When updating has been completed, the user must enter a carriage return at the prompt for change request number and will then be returned to the program main menu.

9.3 DELETE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Change Request file delete routine will operate as follows:

```
    Enter Option > 2
WELCOME TO THE CHANGE FILE REVISE ROUTINE
```

```
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS

Enter Change Request Number to be Revised or Deleted
AAANNNNA
DAL3026

 STAND BY.  SEARCH NOW IN PROGRESS.

  1) CHANGE REQUEST NUMBER : DAL3026
  2) DATE                  :  2- 4-82
  3) TITLE                 :
  DELETE BONDING OF CASTOR NOZZLE PLUG SOP-3-4-5
  4) DRAWINGS / COMMENTS   :
  5) VEHICLES              : 206    0    0    0
  6) SYSTEMS               : PROP
  7) STATUS                : APP
  8) PROCEDURE / ENGINEER  :  345      FPK/KFT

 Is this the correct document (YES or NO) > YES

 Document Revised or Deleted (REV or DEL) > DEL

 CR:  DAL3026  DELETED FROM DATA BASE

Enter Change Request Number to be Revised or Deleted
AAANNNNA
** return **

Data Base File needs Sorting ... Run option # 6 when ready
```

When deleting is completed the user must enter a carriage return at the prompt for change request number and will then be returned to the program main menu. The Rebuild option (option 6) must be run before any more operations are performed on the Change Request data base.

9.4 REPORT OPTION

Due to the design of the Change Request data base program and data files, no report generator exists within this area.

9.5 SEARCH OPTION

Of the eight data items within a Change Request record, all are

searchable. It should also be noted that the CR program's mode of operation is very similar to that of MAIL LOG and DIR / REPORT. Therefore, a review of Sections 3 and 8 should prove helpful to the user. The Date search has the capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

There is a specialized 'ALL' search which outputs all documents in the Change Request file data base. No terminal display of the records is performed. However, the number of CR's found will be displayed. The output is automatically spooled to the system printer located in the SPO computer room at NASA/LaRC in Hampton, Virginia. Refer to Appendix D-3 for an example of the Change Request ALL Search report output format.

The Vehicle search also has a special quality. A group of vehicles may be found by using the first and last valid vehicle option. For example, if a user sets the first valid vehicle as 197 and is searching for vehicle number 200, not only would all documents containing vehicle 200 be found, but also those with numbers 197S, 199S, and 200S, where S represents all subsequent vehicles. Default for the first and last valid vehicle numbers are the user desired vehicle number. This will therefore search for only one vehicle value.

The SOP Engineer search option provides a report of the responsible engineer(s) for each Standard Operating Procedure. Refer to Appendix I-3 for an example of the Responsible Engineer SOP Report output format.

If many documents are found during a search, only enough records to fill the terminal screen will be displayed at a time, with 'More?' displayed

at the bottom of the terminal screen. The user may respond with 'Y', to indicate that the next screen full of records is to be displayed, or with 'N', to indicate that no more records are to be displayed. If a carriage return is entered, a value of 'Y' is taken as default.

9.6 SAMPLE SEARCH

The purpose of this section is to provide an example of the terminal actions performed in order to SEARCH the Change Request file data base. All of the search options use the same report format that is illustrated in the following example.

```
Enter Option >     3

          Welcome to the Change Request Search Routine
          ============================================

          Available Options are as follows:

 (0) Exit          - Return to Main Menu
 (1) Dump All      - Output Entire File to Printer (No Terminal Display)
 (2) Title         - Single Word Search within Titles
 (3) C/R Number    - Search & Retrieve on Change Request Number
 (4) Doc Status    - Search & Retrieve on CR Document Status
 (5) SOP Number    - Search & Retrieve on Standard Operating Procedure No.
 (6) System        - Search & Retrieve on Applicable System
 (7) Vehicle No.   - Search & Retrieve on Vehicle Affectivity
 (8) Comments      - Single Word Search within Comment Lines (Drawing No.)
 (9) Date / Type   - Search & Retrieve on Document Date with CR Type (ex. DAL)
(10) SOP Engineer  - Search & Retrieve Responsible Engineer(s) by SOP No.

                   Enter Option  >
```

This is a sample Change Request (CR) Number search, option # 3:

```
WHAT IS THE DESIRED CR DOCUMENT NUMBER
AAANNNNA
DAL3100

STAND BY.  SEARCH NOW IN PROGRESS.
```

```
1) CHANGE REQUEST NUMBER : DAL3100B
2) DATE                  :  2-25-83
3) TITLE                 :
UPPER C ASSEMBLY REACTION CONTROL SYSTEM OPERATIONAL TEST
4) DRAWINGS / COMMENTS   :
5) VEHICLES              :   0    0    0    0
6) SYSTEMS               : H202 SOP  FGSE CONT
7) STATUS                : APP
8) PROCEDURE / ENGINEER  :  448      RLD/KFT
```

9.7 SPOOLING OUTPUT

As the terminal output is being generated, an OUTPUT file is also being created. When the search is finished the user has the option to send this output file to any printer. The option is displayed as follows: 'HARD COPY TO PRINTER (Y or N) >'. If 'Y' is entered, the SPOOLING menu is activated as described in Section 3.1. A Carriage Return can be used in place of an 'N' response for no printout.

9.8 ARCHIVE OPTION

When the archive option is selected from the main menu and the proper security clearance has been passed, the Change Request archive routine will operate as follows:

```
    Enter Option > 4

WELCOME TO THE CHANGE FILE ARCHIVE ROUTINE

DO YOU WISH TO ARCHIVE A GROUP OF CR'S BY DATE     ** ARCHIVE PATH # 1 **
ENTER (YES or NO) > NO

How Many Change Requests do you wish to Archive
1

Which Change Request Record is to be Archived
PA 1305

Stand By.  Search Now in Progress.     ** NOTE ** If no records are found, the
                                    user is returned to the program main menu.
```

```
  1) CHANGE REQUEST NUMBER : PA 1305
  2) DATE                  :  2-16-82
  3) TITLE                 :
  DELETE BONDING TEST FOR ALTAIR NOZZLE PLUG SOP-4-3-2
  4) DRAWINGS / COMMENTS   :
  5) VEHICLES              : 206    0    0    0
  6) SYSTEMS               : PROP
  7) STATUS                : APP
  8) PROCEDURE / ENGINEER  :  432      FPK/KFT

Correct document to be Archived (YES or NO) > Y

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
 (3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED TO PRINTER !!!!

DO YOU WISH TO ARCHIVE A GROUP OF CR'S BY DATE    ** ARCHIVE PATH # 2 **
ENTER (YES or NO) > YES

What is the First Valid Date (MMDDYY) > 030184

What is the Last  Valid Date (MMDDYY) > ** return **      The default date is
                                                          123199 - Dec. 31, 1999

Stand By.  Search Now in Progress.

                                ** NOTE ** If no records are found, the user is
 (0)  NO OUTPUT !!!                        returned to the program main menu.
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
 (3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0
```

9.9 REBUILD OPTION

The Rebuild option - option 6 - performs general file maintenance for the Change Request data file and sorts the file by CR number. Finding blank records during any Search of the data base indicates that this option should be run. No terminal actions are necessary; see the following sample:

```
Enter Option > 6
```

```
PLEASE STAND BY ** HOUSEKEEPING NOW IN PROGRESS
 DATA FILE HOUSEKEEPING CONTINUING
 CHANGE REQUEST FILE CONTAINS   833 DOCUMENTS
 POINTER FILE NOW IN UPDATE MODE
NO OUTPUT SPOOLED TO PRINTER !!!!
```

9.10 QUICKIE OPTION

The QUICKIE option has two (2) choices: #1 STATUS UPDATE which is a privileged command and #2 CR NUMBER SEARCH which has open access.

Option #1, the STATUS UPDATE, allows for the Change Request status to be modified to one of four conditions for up to 25 records. This option operates as follows:

```
Enter Option Number > 1
This Routine Allows for the Automatic Update of the Status
For up to 25 CR's
Enter the New Status (APP REJ WDN REV) > LOC
LOC IS NOT A VALID ENTRY !!!!   TRY AGAIN
Enter the New Status (APP REJ WDN REV) > APP
ENTER CR NUMBER > DAL2780
ENTER CR NUMBER > PA 3234
ENTER CR NUMBER > DAL1302
ENTER CR NUMBER > ** return **
*** PLEASE STAND BY ... SEARCH NOW IN PROGRESS FOR THE  3 CR'S ***
CR:  DAL2780 FOUND.  OLD STATUS WAS  REJ  CHANGED TO  APP
********** CR:  PA 3234 NOT FOUND FOR UPDATE !!!!
CR:  DAL1302 FOUND.  OLD STATUS WAS  WDN  CHANGED TO  APP
```

If ** return ** is entered here the user is returned to the program main menu.

10 SECOND DELAY ... BEFORE SCREEN CLEARS

The prompt 'ENTER CR NUMBER>' will appear 25 times or until the user enters a carriage return. A report of those records found and not found is displayed on the screen for ten seconds after the update is completed, after which the user is returned to the program main menu.

Option #2, the 'CR NUMBER SEARCH & OUTPUT' option allows the user to enter up to 25 Change Request Numbers for retrieval. The program then searches for these CR's and builds an OUTPUT file for printing. No terminal display of the records is performed. However, a 'NOT FOUND' message is displayed for each CR not in the data base file. When the search has been completed, the SPOOLING menu is activated as described in Section 3.1 of this document. The following is an example of the user actions required to perform the 'QUICKIE' command - option #2.

```
  1.  QUICKIE STATUS UPDATE
  2.  QUICKIE CR NUMBER SEARCH & OUTPUT

  ENTER OPTION NUMBER > 2

  THIS ROUTINE ALLOWS FOR AUTOMATIC PRINTER OUTPUT OF UP TO 25 CR'S

  ENTER CR NUMBER > DAL3100
  ENTER CR NUMBER > DAL3101
  ENTER CR NUMBER > WI 2710
  ENTER CR NUMBER > ** return **

*** PLEASE STAND BY ... SEARCH NOW IN PROGRESS FOR THE  3 CR'S ***

  WI 2710   NOT FOUND IN CURRENT CR FILE!!!!!

  (0)  NO OUTPUT !!!
  (1)  SCOUT  PROJECT OFFICE / LARC, NASA
  (2)  VOUGHT CORPORATION    / DALLAS, TX
  (3)  PROJECTS  DIRECTORATE / LARC, NASA

  ENTER OPTION NUMBER > ** return **
```

Note that a Carriage Return indicates to the program that all

desired Change Request numbers have been entered.

10.0 DIR AND REPORT FILE

This data base area contains two (2) subfiles: Design Information Releases (DIR) and Reports (REP). All DIR numbers begin with the prefix '23DIR', whereas REP numbers follow no pattern. The user should also note that this program is very similar to the Mail Log Correspondence file in its mode of operation (see section 6.0 of this document).

Information for each record is stored in the following fields:

(1) DIR/REPORT NUMBER :

(2) TITLE :

(3) DOCUMENT DATE :

(4) SYSTEMS :

(5) WA NUMBER/ID CODE :

(6) CONTRACT NUMBER : NAS1-

(7) VEHICLES :

(8) REVISION :

(9) REVISION DATE :

The DIR / Report file program main menu appears as follows:

```
SCOUT PROJECT OFFICE  :   DIR / REPORT
======================================

Available Options are as follows:

(0)  Exit     - quit program (Return)
(1)  Input    - add new record to file
(2)  Update   - revise or delete record
(3)  Search   - query & retrieve records
(4)  Archive  - purge & save old records

Enter Option >
```

The DIR / Report file main menu has four (4) options: options 1,

2, and 4, INPUT, UPDATE and ARCHIVE, which are privileged options and require a security clearance, and option 3, SEARCH, which has open access. All of these options are discussed in the following sections.

10.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the DIR / Report file input routine will operate as follows:

```
Enter Option > 1

WELCOME TO THE DIR-REPORT FILE INPUT ROUTINE

PLEASE INPUT INFORMATION BETWEEN EXCLAMATION MARKS
AND LEFT JUSTIFY ALL ENTRIES

Enter DIR or REPORT Number > 23.178

Is this a DIR or Report  (DIR OR REP) > REP

CHECK For PREVIOUS Entry  (Y or N) > Y

 (2) TITLE
!
 FAILING LOAD TEST BASE A FORWARD ATTACH RING
 FAILING LOAD TEST BASE A FORWARD ATTACH RING

 (3) DOCUMENT DATE
!MMDDYY!
 11 364
 11 364

 (4) SYSTEM (ELEC,GSE,GUID,MECH,PROP,PMAN,CONF,RF,RCS,PERF,RELI,P/L)
!    !!    !!    !
 ** return **

 (5) W.A. NUMBER/ID CODE
!        !
 3170
 3170

 CONTRACT NUMBER NAS1-3589
```

```
 (6) VEHICLE
!    !!    !
 135R
 135R    0

 (7) REVISION
!  !
 ** return **

 (8) REVISION DATE
!MMDDYY!
 ** return **
  0 0 0

 (1) DIR/REPORT NUMBER : 23.178
 (2) TITLE             :
 FAILING LOAD TEST BASE A FORWARD ATTACH RING
 (3) DOCUMENT DATE     : 11- 3-64
 (4) SYSTEMS           :
 (5) WA NUMBER/ID CODE : 3170
 (6) VEHICLES          : 135R   0
 (7) REVISION          :
 (8) REVISION DATE     :  0- 0- 0

 Is record CORRECT  (COR) or REVISE  (REV) >COR

 MAIL LOG POINTER FILE BEING BUILT
 PLEASE STAND BY

 MORE INPUT  (Y OR N) > N
```

If the user enters HELP for data field number four(4) of the input record, a listing of the system codes and their descriptions will be displayed as follows:

```
 ================================================================================
 THE FOLLOWING ARE SYSTEM FIELDS AND THEIR DESCRIPTIONS
 ================================================================================

 1) ELEC     :     Electrical

 2) MECH     :     Mechanical

 3) GUID     :     Guidance

 4) PROP     :     Propulsion

 5) RF       :     Radio Frequency
```

6) CONF : Configuration

7) RELI : Reliability

8) P/L : Pay Load

9) RCS : Reaction Control Systems

10) PMAN : Project Management

11) PERF : Performance

12) GSE : Ground Support Equipment

When the input record is displayed on the terminal screen the user must either enter 'COR' to indicate that the record is correct, or 'REV' to indicate that the record needs revision. If the user responds with 'REV' the system will prompt the user for how many and which fields need to be corrected. When the input has been completed the user will be returned to the program main menu. It should be noted that DIR's and REPORT's are operationally input from the Mail Log input routine which is discussed in section 6.4.3 of this document.

10.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the DIR / Report file update routine will operate as follows:

```
Enter Option > 2

Enter the DIR-REPORT # to be REVISED > 23DIR1157

STAND BY.  SEARCH NOW IN PROGRESS.

(1) DIR/REPORT NUMBER : 23DIR1157
(2) TITLE             :
FOURTH STAGE SPIN BEARING ACCEPTANCE TEST RESULTS
(3) DOCUMENT DATE     : 11-30-70
(4) SYSTEMS           : MECH
(5) WA NUMBER/ID CODE : 3245ABZ
```

```
(6) VEHICLES          :   0    0
(7) REVISION          : B
(8) REVISION DATE     :  6- 8-71

Is this the correct record  (YES or NO) > YES

Record to REVISED or DELETED  (REV or DEL) > REV

How many items to be Revised > 1

Enter item number > 4

(4) SYSTEM (ELEC,GSE,GUID,MECH,PROP,PMAN,CONF,RF,RCS,PERF,RELI,P/L)
!    !!    !!    !
PMAN
PMAN

(1) DIR/REPORT NUMBER : 23DIR1157
(2) TITLE             :
FOURTH STAGE SPIN BEARING ACCEPTANCE TEST RESULTS
(3) DOCUMENT DATE     : 11-30-70
(4) SYSTEMS           : PMAN
(5) WA NUMBER/ID CODE : 3245ABZ
(6) VEHICLES          :   0    0
(7) REVISION          : B
(8) REVISION DATE     :  6- 8-71

Is record CORRECT  (COR) or REVISE  (REV) >COR
```

If the user enters a number for the DIR-REPORT number to be revised which does not begin with '23DIR' the system will prompt the user for which subfile is desired - DIR or Report (REP).

When the updated record is displayed the user must type either 'COR', to indicate that the record is correct, or 'REV' to indicate that the record needs further revision. If the user responds with 'REV', the system will again prompt for how many and which fields need to be updated. When updating has been completed and the record is correct, the user will then be returned to the program main menu.

10.3 DELETE OPTION

When the update option is selected from the main menu and the proper

security clearance has been passed, the DIR / Report file delete routine will operate as follows:

```
Enter Option > 2

Enter the DIR-REPORT # to be REVISED > 23.178

Is this a DIR or REPORT  (DIR or REP) > REP

STAND BY.  SEARCH NOW IN PROGRESS.

(1) DIR/REPORT NUMBER : 23.178
(2) TITLE             :
FAILING LOAD TEST BASE A FORWARD ATTACH RING
(3) DOCUMENT DATE     : 11- 3-64
(4) SYSTEMS           :
(5) WA NUMBER/ID CODE : 3170
(6) VEHICLES          : 135R   0
(7) REVISION          :
(8) REVISION DATE     :  0- 0- 0

Is this the correct record  (YES or NO) > YES

Record to REVISED or DELETED  (REV or DEL) > DEL

23.178           DELETED FROM DATA BASE
```

When deletion has been completed the user will be returned to the program main menu.

10.4 REPORT OPTION

Due to the design of the DIR / Report file program and data files, a report generator does not exist for this area.

10.5 SEARCH OPTION

Of the nine (9) data items within a DIR/REPORT record, all but one, REVISION, are searchable. It should also be noted that the Revision Date is searched during a Date search. This allows the Date search to check only the most recent date associated with a record. The Date search has the

capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978.

There is a specialized ALL search which outputs all documents in the DIR/REPORT subfile. This All search has two output formats: (1) Full listing gives a two line output of all data items and (2) Brief listing gives only the DIR number and Revision. This search only displays the number of documents found on the terminal and automatically spools the output to the system printer located in the SPO computer room. Refer to Appendix E-1 for an example of the DIR/Report ALL search brief report output format. All other search options use the same report format that is illustrated in the example on page 122.

The Vehicle search also has a special quality. A group of vehicles may be found by using the first and last valid vehicle option. For example, if a user sets the first valid vehicle as 198 and is searching for vehicle number 200, not only would all documents containing vehicle 200 be found, but also those with numbers 198S, 199S, and 200S, where S represents all subsequent vehicles. Default for the first and last valid vehicle numbers are the user desired vehicle number. This will therefore search for only one vehicle value.

If many documents are found during a search, only enough records to fill the terminal screen will be displayed at a time, with 'More?' displayed at the bottom of the terminal screen. The user may respond with 'Y', to indicate that the next screen full of records is to be displayed, or with 'N', to indicate that no more records are to be displayed. If a carriage

return is entered, a value of 'Y' is taken as default.

10.6 SAMPLE SEARCH

The purpose of this section is to provide an example of the terminal actions performed in order to SEARCH the DIR and Report Data Base.

```
Enter Option >    3

   SEARCH MODE FOR MAIL LOG DIR/REPORT FILE

   Available Options are as follows:

   (0) Exit              - Return to Main Menu
   (1) Title             - Single Word Search within Titles
   (2) Dir-Report Number - Search & Retrieve on DIR or REPORT Number
   (3) Document Date     - Search & Retrieve on Document or Revision Date
   (4) System            - Search & Retrieve on Applicable System
   (5) WA Number/ID Code - Search & Retrieve on WA (3008) or ID Code (EAC)
   (6) Contract Number   - Search & Retrieve on NAS1- Contract Number
   (7) Vehicle           - Search & Retrieve on Vehicle Affectivity
   (8) Dump All          - Output Entire File to Printer (No Terminal Display)

Enter Option # >    2

 SEARCH FILE SELECTION  (DIR OR REP) > DIR

 ENTER THE DESIRED DIR-REPORT NUMBER > 23DIR2330

 STAND BY.  SEARCH NOW IN PROGRESS.

     (1) DIR/REPORT NUMBER : 23DIR2330
     (2) TITLE             :
      WEB TIME PREDICTION FOR INVENTORY CASTOR IIA MOTORS
     (3) DOCUMENT DATE     :  6-18-82
     (4) SYSTEMS           :
     (5) WA NUMBER/ID CODE : 3005 FRB
     (6) CONTRACT NUMBER   : NAS1-16200
     (7) VEHICLES          :   0    0
     (8) REVISION          :
     (9) REVISION DATE     :  0- 0- 0

 RETURN TO CONTINUE >  ** return **
```

10.7 SPOOLING OUTPUT

As the terminal output is being generated, an OUTPUT file is also

being created. When the search is finished the user has the option to send this output file to any printer. The option is displayed as follows: 'HARD COPY TO PRINTER (Y or N) >'. If 'Y' is entered, the SPOOLING menu is activated as described in Section 3.1. A Carriage Return can be used in place of an 'N' response for no printout.

10.8 ARCHIVE OPTION

When the archive option is selected from the main menu and the proper security clearance has been passed, the DIR / Report archive routine will operate as follows:

```
        Enter Option > 4
WELCOME TO THE DIR-REPORT FILE ARCHIVE ROUTINE
Enter number of documents to be Archived > 1
Enter DIR-REPORT Number to be Archived > 23.178
FILE SELECTION:  (DIR or REP) > REP      ** This prompt appears only if the
                                            number entered does not begin with
                                            '23DIR'.
STAND BY.  SEARCH NOW IN PROGRESS

(1) DIR/REPORT NUMBER : 23.178
(2) TITLE             :
FAILING LOAD TEST BASE A FORWARD ATTACH RING
(3) DOCUMENT DATE     : 11- 3-64
(4) SYSTEMS           :
(5) WA NUMBER/ID CODE : 3170
(6) VEHICLES          : 135R   0
(7) REVISION          :
(8) REVISION DATE     :  0- 0- 0

 Is this the Correct Record (Y or N) > Y

 DOCUMENT HAS BEEN ARCHIVED.
```

The prompt 'Enter DIR-REPORT Number to be Archived >' will appear the same number of times as the number of documents to be archived entered

by the user. If a DIR or Report number is not found the message 'DOCUMENT WAS NOT FOUND IN THE DATA FILE.' will be displayed. When the last document has been displayed on the screen and archived, or has been reported not found, there will be a five second delay at the terminal screen and the user will then be returned to the program main menu.

11.0 GOVERNMENT FURNISHED PROPERTY FILE

This file contains inventory information on selected equipment and parts assigned to the Scout Project throughout contract NAS1-14950. The data base contains several categories, such as: Test equipment, Plant equipment, and Production tooling. Every record is given one of several location codes, such as: (WI) Wallops Island, (VAFB) Vandenberg AFB, (HWAA) Hawthorne, and (VDBS) Vought / Dallas. The parts inventory lists were built from Appendices I, II, III, IV, and V of contract NAS1-14950 (F). This data base also includes Motor Parts Inventories for special tooling for all stages, such as contract NAS1-11859, and subcontractor property inventories such as Honeywell, B. F. Goodrich, and Texas Instruments.

Information for each record is stored in the following fields:

PART NUMBER	IDENTITY / TAG NUMBER
SERIAL NUMBER	NEXT ASSEMBLY
DESCRIPTION	CATEGORY
UNIT COST	QUANTITY
LOCATION	CONTRACT NUMBER
CONTRACT MOD	CONTRACT MOD NUMBER
APPENDIX	APPENDIX YEAR

The Government Furnished Property (GFP) file program main menu appears as follows:

GOVERNMENT FURNISHED PROPERTY INVENTORY FILE FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
==========

1. Input Menu
2. Update Menu
3. Delete Menu
4. Report Menu
5. Search Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

The Property file main menu has five (5) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged options and require a security clearance, and options 4 and 5, REPORT and SEARCH, which have open access. All of these options are discussed in the following sections.

11.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Government Furnished Property file Input menu will appear as follows:

GOVERNMENT FURNISHED PROPERTY INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
==========

1. Input to GSE File
2. Input to Category Lookup Table
3. Input to Location Lookup Table
4. Sort and Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

11.1.1 INPUT TO GSE FILE

Option 1 allows the user to input records into the Government Furnished Property file data base, the input screen for which appears as follows:

```
        INPUT / UPDATE SCREEN FOR GOVERNMENT FURNISHED PROPERTY FILE
        ===========================================================

CATEGORY >.< ..................... LOCATION >..<  .....................
 1) TEST  EQUIPMENT           1) WI     6) TI    11) AWDC   16) BRUN
 2) PLANT EQUIPMENT           2) VAFB   7) TB    12) AMC    17) EDLR
 3) NON-INVENTORY CABLES      3) HWAA   8) TSF   13) BFG
 4) PRODUCTION TOOLING        4) VDBS   9) TDP   14) WK
 5) SPECIAL    TOOLING        5) HNWL  10) TDE   15) TE

PART NUMBER >.................<   SERIAL NUMBER >.................<
                                                                  QUANTITY
IDENTITY/TAG NUMBER >.............<  NEXT ASSEMBLY >.............   >....<

UNIT COST >.........<   APPENDIX >......<   YEAR >..<

HOLDING CONTRACT NUMBER >NAS1-.....<   MOD >.<    MOD NUMBER >....<

DESCRIPTION >.............................<
```

11.1.2 INPUT TO CATEGORY AND LOCATION LOOKUP TABLES

Options 2 and 3 allow the user to input records into one of the lookup tables used in the property file. A listing of the current lookup table is displayed at the terminal screen within each input routine. When input is completed the user is returned to the program main menu. See the examples below.

Example #1 - Option 2 - Input to the Category Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

 THIS PROGRAM INPUTS TO THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CAT-CODE CATEGORY
     1   1        TEST  EQUIPMENT
     2   2        PLANT EQUIPMENT
     3   3        NON-INVENTORY CABLES
     4   4        PRODUCTION TOOLING
     5   5        SPECIAL    TOOLING
```

```
     6
CAT-CODE> 6

CATEGORY> SPECIAL TEST EQUIPMENT

     7
CAT-CODE>  ** return **

       1 RECORD(S) ADDED

  THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
  ============================================================

 $RECNO   CAT-CODE CATEGORY
      1   1        TEST  EQUIPMENT
      2   2        PLANT EQUIPMENT
      3   3        NON-INVENTORY CABLES
      4   4        PRODUCTION TOOLING
      5   5        SPECIAL    TOOLING
      6   6        SPECIAL TEST EQUIPMENT


  Example #2 - Option 3 - Input to the Location Lookup Table


   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

   THIS PROGRAM INPUTS TO THE LOCATION LOOKUP TABLE

 THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
 ================================================================

 $RECNO   LOC-CODE LOCATION FILLER
      1    1       WI       WALLOPS ISLAND
      2    2       VAFB     VANDENBERG
      3    3       HWAA     HAWTHORNE
      4    4       VDBS     VOUGHT-DALLAS
      5    5       HNWL     HONEYWELL
      6    6       TI       TEXAS INSTRUMENTS
      7    7       TB       TX BRONZE, FT. WORTH
      8    8       TSF      TRI STATE FOUNDARIES
      9    9       TDP      TELEDYNE POMONO, CA
     10   10       TDE      TELEDYNE ELMONTE, CA
     11   11       AWDC     ARWOOD COR,GROTON,CT
     12   12       AMC      A&M CASTING, CA
     13   13       BFG      BF GOODRICH
     14   14       WK       WALTER KIDDE
     15   15       TE       THIOKOL / ELKTON, MD
     16   16       BRUN     BRUNSWICK CORP., NB
     17   17       EDLR     EDLER INDUSTRIES, CA

    18
LOC-CODE> 18
```

```
LOCATION> KTC

FILLER> KENTRON, HAMPTON, VA

        19
LOC-CODE>  ** return **

      1 RECORD(S) ADDED
```

THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS

$RECNO	LOC-CODE	LOCATION	FILLER
1	1	WI	WALLOPS ISLAND
2	2	VAFB	VANDENBERG
3	3	HWAA	HAWTHORNE
4	4	VDBS	VOUGHT-DALLAS
5	5	HNWL	HONEYWELL
6	6	TI	TEXAS INSTRUMENTS
7	7	TB	TX BRONZE, FT. WORTH
8	8	TSF	TRI STATE FOUNDARIES
9	9	TDP	TELEDYNE POMONO, CA
10	10	TDE	TELEDYNE ELMONTE, CA
11	11	AWDC	ARWOOD COR,GROTON,CT
12	12	AMC	A&M CASTING, CA
13	13	BFG	BF GOODRICH
14	14	WK	WALTER KIDDE
15	15	TE	THIOKOL / ELKTON, MD
16	16	BRUN	BRUNSWICK CORP., NB
17	17	EDLR	EDLER INDUSTRIES, CA
18	18	KTC	KENTRON, HAMPTON, VA

11.1.3 SORT AND HOUSEKEEPING ROUTINE

Option 4 on the Input menu invokes the sort and Housekeeping routine. This routine will sort the Property file by Category, Location, Part Number, and Identity / Tag Number. Another option of the routine is to internally purge those records that have been marked for deletion by the delete routine. A third option is available which will perform both the sort and the purge on the Property file. No user responses are required. Messages will be displayed on the terminal screen to indicate when each task has been completed. The following examples illustrate the operation of each of the available options.

Example 1 - Sort the Property file

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS
         THIS IS A SLOW ROUTINE !

(0)  EXIT
(1)  SORT FILE
(2)  HOUSEKEEPING (PURGE) FILE
(3)  PERFORM BOTH SORT & PURGE ON FILE

ENTER OPTION > 1

PLEASE STAND BY....SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!!!!

ALL DONE !!!!
```

Example 2 - Perform Purging on the Property file

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS
         THIS IS A SLOW ROUTINE !

(0)  EXIT
(1)  SORT FILE
(2)  HOUSEKEEPING (PURGE) FILE
(3)  PERFORM BOTH SORT & PURGE ON FILE

ENTER OPTION > 2

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS.......

ALL DONE !!!!
```

Example 3 - Perform Both Sort and Purge on the Property file

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS
         THIS IS A SLOW ROUTINE !
```

```
(0)  EXIT
(1)  SORT FILE
(2)  HOUSEKEEPING (PURGE) FILE
(3)  PERFORM BOTH SORT & PURGE ON FILE

ENTER OPTION > 3

PLEASE STAND BY....SORTING OF FILE IS NOW IN PROGRESS

SORT IS FINALLY DONE !!!!!!!!!!!!!!

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS.......

ALL DONE !!!!
```

When the routine has been completed, the user will be returned to the program main menu.

11.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Government Furnished Property file update menu will appear as follows:

```
GOVERNMENT FURNISHED PROPERTY UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Update GSE Record
2.  Update Category Lookup Table
3.  Update Location Lookup Table
4.  Sort and Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

11.2.1 UPDATE GSE RECORD

Option 1 allows the user to update a record in the Government Furnished Property file data base. In order to retrieve the desired record the user must enter the appropriate part number, which in most cases is not a unique field. A blank part number may be retrieved by entering a carriage

return. Typing 'QUIT' will return the user to the program main menu. If no records containing the desired part number are found, a message stating so will be displayed and the user may enter another part number. If some records are found containing the desired part number, the user must enter the appropriate identity number. If the desired record is found it will be displayed in an update screen identical to the input screen illustrated in section 11.1 of this document. If the desired record is not found, 'ITEM NOT FOUND' will be displayed, and the user may enter another identity number. If there are multiple records having the same identity number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'IDENT-TAG-NUMBER?>'. To retrieve a blank identity number, hit the space bar once and then the carriage return at 'IDENT-TAG-NUMBER?>' or at 'ITEM NOT FOUND'. If a carriage return is entered at either 'ITEM NOT FOUND' or 'NO RECORD FOUND' or if updating has been completed, the user will be returned to the program main menu. See the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

ENTER PART NUMBER > 144-098
TYPE "QUIT" TO EXIT

NO RECORD FOUND FOR 144-098

TRY AGAIN ......

ENTER PART NUMBER > ** return **      Note that entering a return invokes a
                                      search for a blank part number.
IDENT-TAG-NUMBER?>  24

ITEM NOT FOUND

IDENT-TAG-NUMBER?>  ** return **
```

11.2.2 UPDATE CATEGORY AND LOCATION LOOKUP TABLES

Options 2 and 3 allow the user to update records in one of the lookup tables used in the property file. A listing of the current lookup table is displayed at the terminal screen within each update routine. When the update is completed, the user is returned to the program main menu. The following examples illustrate these options.

Example #1 - Option 2 - Update a record in the Category Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

 THIS PROGRAM UPDATES RECORDS IN THE CATEGORY LOOKUP TABLE

THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CAT-CODE CATEGORY
     1   1        TEST  EQUIPMENT
     2   2        PLANT EQUIPMENT
     3   3        NON-INVENTORY CABLES
     4   4        PRODUCTION TOOLING
     5   5        SPECIAL    TOOLING

RECNO?> 2
         2
CAT-CODE           = 2

CATEGORY           = PLANT EQUIPMENT

CAT-CODE?>  ** return **          Note that a return will enter the previous
                                  value as default.
CATEGORY?> LOST PLANT EQUIPMENT

 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ===========================================================

$RECNO   CAT-CODE CATEGORY
     1   1        TEST  EQUIPMENT
     2   2        LOST PLANT EQUIPMENT
     3   3        NON-INVENTORY CABLES
     4   4        PRODUCTION TOOLING
     5   5        SPECIAL    TOOLING
```

Example #2 - Option 3 - Update a record in the Location Lookup Table

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

  THIS PROGRAM UPDATES RECORDS IN THE LOCATION LOOKUP TABLE

THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   LOC-CODE LOCATION FILLER
     1    1       WI       WALLOPS ISLAND
     2    2       VAFB     VANDENBERG
     3    3       HWAA     HAWTHORNE
     4    4       VDBS     VOUGHT-DALLAS
     5    5       HNWL     HONEYWELL
     6    6       TI       TEXAS INSTRUMENTS
     7    7       TB       TX BRONZE, FT. WORTH
     8    8       TSF      TRI STATE FOUNDARIES
     9    9       TDP      TELEDYNE POMONO, CA
    10   10       TDE      TELEDYNE ELMONTE, CA
    11   11       AWDC     ARWOOD COR,GROTON,CT
    12   12       AMC      A&M CASTING, CA
    13   13       BFG      BF GOODRICH
    14   14       WK       WALTER KIDDE
    15   15       TE       THIOKOL / ELKTON, MD
    16   16       BRUN     BRUNSWICK CORP., NB
    17   17       EDLR     EDLER INDUSTRIES, CA

RECNO?> 13
          13
LOC-CODE        = 13

LOCATION        = BFG

FILLER          = BF GOODRICH

LOC-CODE?>13

LOCATION?>BFG

FILLER?>BF GOODRICH, OHIO

 THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ============================================================

$RECNO   LOC-CODE LOCATION FILLER
     1    1       WI       WALLOPS ISLAND
     2    2       VAFB     VANDENBERG
     3    3       HWAA     HAWTHORNE
     4    4       VDBS     VOUGHT-DALLAS
     5    5       HNWL     HONEYWELL
     6    6       TI       TEXAS INSTRUMENTS
     7    7       TB       TX BRONZE, FT. WORTH
     8    8       TSF      TRI STATE FOUNDARIES
     9    9       TDP      TELEDYNE POMONO, CA
```

10	10	TDE	TELEDYNE ELMONTE, CA
11	11	AWDC	ARWOOD COR,GROTON,CT
12	12	AMC	A&M CASTING, CA
13	13	BFG	BF GOODRICH, OHIO
14	14	WK	WALTER KIDDE
15	15	TE	THIOKOL / ELKTON, MD
16	16	BRUN	BRUNSWICK CORP., NB
17	17	EDLR	EDLER INDUSTRIES, CA

11.2.3 SORT AND HOUSEKEEPING ROUTINE

Option 4 on the Update menu invokes the Sort and Housekeeping routine which is discussed in detail in section 11.1.3 of this document.

11.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Government Furnished Property file delete menu will appear as follows:

```
    GOVERNMENT FURNISHED PROPERTY DELETE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Delete GSE Record
2.  Delete     Record in the Category Lookup Table
3.  Delete     Record in the Location Lookup Table
4.  Sort and Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

11.3.1 DELETE GSE RECORD

Option 1 allows the user to delete a record from the Government Furnished Property file data base. In order to retrieve the desired record the user must enter the appropriate part number, which in most cases is not a unique field. A blank part number may be retrieved by entering a carriage return. Typing 'QUIT' will return the user to the program main menu. If no

records are found containing the desired part number, a message stating so will be displayed at the terminal screen and the user may enter another part number, or may type 'QUIT' to go back to the program main menu. If some records containing the desired part number are found, the user must enter the appropriate identity number. If there are no records found containing the desired part number and identity number, a message stating so will be displayed at the terminal screen, and the user must either begin the process again by entering the appropriate part number, or type 'QUIT' to return to the program main menu. A blank identity number may be retrieved by entering a carriage return at 'IDENTITY/TAG NO >'.

If several records having the desired part number and identity number are found, all of them will be displayed at the terminal screen along with their individual record numbers, notated as RECNO. The delete routine will allow the deletion of only one record at a time, so the user must then enter the RECNO corresponding to the record that is to be deleted. If none of the records being displayed are to be deleted, entering a carriage return will return the user to the program main menu. Once the user has entered the appropriate record number, the entire record will be displayed along with the option to delete the record. If only one record having the desired part number and identity number has been found, it will be automatically displayed along with the option to delete the record. After responding with 'Y' or 'N', the user will be returned to the program main menu. See the example.

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

  THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE

TYPE "QUIT" TO EXIT
ENTER PART NUMBER >  ** return **

ENTER IDENTITY/TAG NO >  1
```

```
NO SUCH IDENTITY NUMBER AS     1 ON PART NUMBER
     IN THE CURRENT DATA FILE **** TRY AGAIN

ENTER PART NUMBER > ** return **

ENTER IDENTITY/TAG NO > ** return **  Note that a return here will retrieve
                                      records having a blank identity no.

          1270
DESCRIPTION     =  READER
SERIAL-NUMBER   =2055S45212
NEXT-ASSEMBLY   =
UNIT-COST       =     0.00
APPENDIX        =V
YEAR            =82
CAT-CODE        =2
LOC-CODE        = 2
          1271
DESCRIPTION     =  PRINTER
SERIAL-NUMBER   =2048S42643
NEXT-ASSEMBLY   =
UNIT-COST       =     0.00
APPENDIX        =V
YEAR            =82
CAT-CODE        =2
LOC-CODE        = 2


ENTER RECNO TO BE DELETED > ** return **
```

Please note that the record numbers displayed here are 1270 and 1271.

11.3.2 DELETE FROM CATEGORY AND LOCATION LOOKUP TABLES

Options 2 and 3 allow the user to delete a record from the Category and Location lookup tables within the data base. A listing of the current lookup table is displayed at the terminal screen within each delete routine. When the deletion has been completed, the user will be returned to the program main menu. The following examples illustrate these options.

Example #1 - Option 2 - Delete a record from the Category Lookup Table

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
THIS PROGRAM DELETES A RECORD IN THE CATEGORY LOOKUP TABLE
```

```
THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CAT-CODE CATEGORY
     1   1        TEST  EQUIPMENT
     2   2        PLANT EQUIPMENT
     3   3        NON-INVENTORY CABLES
     4   4        PRODUCTION TOOLING
     5   5        SPECIAL    TOOLING
     6   6        OBSOLETE TOOLING

 ENTER CAT-CODE TO BE DELETED > 6

 CAT-CODE 6   CATEGORY OBSOLETE TOOLING    NOW BEING DELETED

 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ===========================================================

$RECNO   CAT-CODE CATEGORY
     1   1        TEST  EQUIPMENT
     2   2        PLANT EQUIPMENT
     3   3        NON-INVENTORY CABLES
     4   4        PRODUCTION TOOLING
     5   5        SPECIAL    TOOLING
```

Example #2 - Option 3 - Delete a record from the Location Lookup Table

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

 THIS PROGRAM DELETES A RECORD IN THE LOCATION LOOKUP TABLE

THE CURRENT LOCATION LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   LOC-CODE LOCATION FILLER
     1    1       WI       WALLOPS ISLAND
     2    2       VAFB     VANDENBERG
     3    3       HWAA     HAWTHORNE
     4    4       VDBS     VOUGHT-DALLAS
     5    5       HNWL     HONEYWELL
     6    6       TI       TEXAS INSTRUMENTS
     7    7       TB       TX BRONZE, FT. WORTH
     8    8       TSF      TRI STATE FOUNDARIES
     9    9       TDP      TELEDYNE POMONO, CA
    10   10       TDE      TELEDYNE ELMONTE, CA
    11   11       AWDC     ARWOOD COR,GROTON,CT
    12   12       AMC      A&M CASTING, CA
    13   13       BFG      BF GOODRICH
    14   14       WK       WALTER KIDDE
    15   15       TE       THIOKOL / ELKTON, MD
    16   16       BRUN     BRUNSWICK CORP., NE
    17   17       EDLR     EDLER INDUSTRIES, CA
```

```
   18   18        NNSY      NEWPORT NEWS SHIP YD

 ENTER LOC-CODE TO BE DELETED > 18

 LOC-CODE 18  LOCATION NNSY   NOW BEING DELETED

 THE LOCATION LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ============================================================

$RECNO    LOC-CODE LOCATION FILLER
     1     1        WI       WALLOPS ISLAND
     2     2        VAFB     VANDENBERG
     3     3        HWAA     HAWTHORNE
     4     4        VDBS     VOUGHT-DALLAS
     5     5        HNWL     HONEYWELL
     6     6        TI       TEXAS INSTRUMENTS
     7     7        TB       TX BRONZE, FT. WORTH
     8     8        TSF      TRI STATE FOUNDARIES
     9     9        TDP      TELEDYNE POMONO, CA
    10    10        TDE      TELEDYNE ELMONTE, CA
    11    11        AWDC     ARWOOD COR,GROTON,CT
    12    12        AMC      A&M CASTING, CA
    13    13        BFG      BF GOODRICH
    14    14        WK       WALTER KIDDE
    15    15        TE       THIOKOL / ELKTON, MD
    16    16        BRUN     BRUNSWICK CORP., NE
    17    17        EDLR     EDLER INDUSTRIES, CA
```

11.3.3 SORT AND HOUSEKEEPING ROUTINE

Option 4 on the Delete menu invokes the Sort and Housekeeping routine which is discussed in detail in section 11.1.3 of this document.

11.4 REPORT OPTION

The report menu for the GFP file appears as follows:

```
1.  Dump by Category
2.  Test  Equipment
3.  Plant Equipment
4.  Non-Inventory Items
5.  Production Tooling
6.  Special Tooling
7.  Wallops Island Equipment
8.  VAFB    Equipment
9.  Appendix Report

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Options 1 through 6 are complete dumps of each category. Option 1 gives the data for each record in an unformatted listing; the output report format is identical to that which is displayed in the example on page 141. Options 2 through 6 give the selected category in a report format. In addition the user may select a specific contract number for retrieval, or enter a blank value to retrieve on all contract numbers. Options 2, 4, 5, and 6 use the same output format that is displayed in the example on page 141. Option 3 provides a sub-option of retrieving records for Plant Equipment with costs either over or under $500. Refer to Appendix F-1 for an example of the Government Furnished Property Plant Equipment Report output format.

Option 7 provides a report on all property located at Wallops Island by category, and may be generated for all categories. Option 8 provides a report on all property located at VAFB by category, and may be generated for all categories. These two options are also referred to as 'Industrial Property Account (IPA)' reports. Refer to Appendix F-2 for an example of the Government Furnished Property Industrial Property Account Report output format.

Option 9 provides a report of the property file by appendix, and uses the same output format that is displayed in the example on page 142. The following is an example of terminal actions performed for option 1, the Dump by Category report.

```
 THIS WILL DUMP THE ENTIRE GSE FILE BY CATEGORY,
 THEN SPOOL THE OUTPUT TO THE PRINTER.  ENTER BLANK FOR ALL .

1     TEST  EQUIPMENT
2     PLANT EQUIPMENT
3     NON-INVENTORY CABLES
4     PRODUCTION TOOLING
5     SPECIAL    TOOLING

 ENTER CATEGORY NO. >    4
```

```
PART-NUMBER      =251802
IDENT-TAG-NUMBER=
SERIAL-NUMBER    =
NEXT-ASSEMBLY    =
DESCRIPTION      ='V' GAGE
CONTRACT-NO      =14950
CONTRACT-MOD     =F
CONTRACT-MOD-NO  =
LOCATION         =VDBS
CATEGORY         =PRODUCTION TOOLING
APPENDIX         =III(A)
YEAR             =84
UNIT-COST        =
QUANTITY         =   1

More ?  NO

OUTPUT TO PRINTER (Y OR N) > Y

PLEASE STAND BY ... OUTPUT BEING FORMATTED ...
```

The following is an example of the Production Tooling report, Option number 5 :

```
 THIS PROGRAM PROVIDES A REPORT ON ALL PRODUCTION TOOLING BY CONTRACT

    ENTER CONTRACT NUMBER OR BLANK FOR ALL > NAS1-** return **

    STAND BY ... SEARCH NOW IN PROGRESS

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                          NAS1-14950   (F)

                        PRODUCTION TOOLING
                        ==================

IDENT. / TAG NO. PART NUMBER        SERIAL NUMBER      QTY. UNIT COST MOD#
DESCRIPTION                         NEXT ASSEMBLY                     LOC.
--------------- ------------------ ------------------ ---- --------- ----
                251802                                  1
'V' GAGE                                                              VDBS

                251803                                  1
'V' GAGE                                                              VDBS

                2DJ439873-2                             1
DRILL JIG                          439873-4                           VDBS

                3MF439873-2                             1
MILL FIXTURE                       439873-4                           VDBS
```

The following is an example of the terminal actions performed during an Appendix report, Option number 9.

```
   THIS REPORT ROUTINE PERFORMS THE APPENDIX QUERY / RETRIEVAL

     THE CURRENT APPENDICES AVAILABLE FOR REPORTING ARE:
     ==================================================
( HONEY  )   HONEYWELL OWNED EQUIPMENT
( I(A)   )   PLANT EQUIPMENT - OVER  $500
( I(B)   )   PLANT EQUIPMENT - UNDER $500
( II(A)  )   SPECIAL TEST EQUIPMENT
( II(B)  )   TEST EQUIPMENT AT HONEYWELL
( III    )   NON-INVENTORY EQUIP. (CABLES)
( III(A) )   PRODUCTION TOOLING AT DALLAS
( III(B) )   SPECIAL TOOLING AT HONEYWELL
( IV     )   GFP AT WALLOPS
( V      )   GFP AT VAFB

        ENTER APPENDIX TO BE SELECTED  > III(A)

        PLEASE STAND BY ... SEARCH NOW IN PROGRESS

     APPENDIX REPORT FOR III(A) FOUND       13 RECORDS

     TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...

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          GOVERNMENT  FURNISHED  PROPERTY  FILE  APPENDIX  REPORT
          ========================================================

             APPENDIX III(A) :  PRODUCTION TOOLING AT DALLAS

PART   NUMBER      IDENT. / TAG NO. CONTRACT NUMBER MOD# CATEGORY
SERIAL NUMBER      NEXT ASSEMBLY    UNIT  COST QTY. LOC. LOCATION
DESCRIPTION                                           APPENDIX YEAR
---------------- --------------- --------------- ---- --------------------
251802                             NAS1-14950  (F)      PRODUCTION TOOLING
                                   $              1  VDBS VOUGHT-DALLAS
'V' GAGE                                                        84

251803                             NAS1-14950  (F)      PRODUCTION TOOLING
                                   $              1  VDBS VOUGHT-DALLAS
'V' GAGE                                                        84

2DJ439873-2                        NAS1-14950  (F)      PRODUCTION TOOLING
                   439873-4        $              1  VDBS VOUGHT-DALLAS
DRILL JIG                                                       84
```

11.5 SEARCH OPTION

The search menu for the GFP file appears as follows:

```
 1. Retrieve on Part Number
 2. Retrieve on Serial Number
 3. Retrieve on Identity / Tag  Number
 4. Retrieve on Next Assembly
 5. Retrieve on Description
 6. Retrieve on Contract     Number
 7. Retrieve on Contract Mod Number

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

All searches display complete record data in a specialized report format. The Category and Location search criteria are used in all seven (7) options, where a blank indicates that all records are to be selected for that field. All retrievals are partial field searches, such as retrieval for 'TT' found in the DESCRIPTION field. When retrieval is completed and displayed at the terminal screen, a printout may be spooled. All search options use the same report output format that is illustrated in the example on page 144.

11.6 SAMPLE SEARCH

The following is a sample of the terminal actions performed during a DESCRIPTION search (# 5).

```
THIS SEARCH ROUTINE PERFORMS THE DESCRIPTION QUERY / RETRIEVAL

THE CURRENT CATEGORIES AVAILABLE FOR SEARCHING ARE:
==================================================
( 1 )   TEST  EQUIPMENT
( 2 )   PLANT EQUIPMENT
( 3 )   NON-INVENTORY CABLES
( 4 )   PRODUCTION TOOLING
( 5 )   SPECIAL    TOOLING

ENTER CATEGORY TO BE SELECTED (ZERO - 0 - FOR ALL) >    4
```

```
THE AVAILABLE LOCATIONS FOR SEARCHING ARE:
==========================================
(  1 )    WI          WALLOPS ISLAND
(  2 )    VAFB        VANDENBERG
(  3 )    HWAA        HAWTHORNE
(  4 )    VDBS        VOUGHT-DALLAS
(  5 )    HNWL        HONEYWELL
(  6 )    TI          TEXAS INSTRUMENTS
(  7 )    TB          TEXAS BRONZE, FT. WORTH
(  8 )    TSF         TRI STATE FOUNDARIES
(  9 )    TDP         TELEDYNE POMONO, CA
( 10 )    TDE         TELEDYNE ELMONTE, CA
( 11 )    AWDC        ARWOOD COR, GROTON, CT
( 12 )    AMC         A & M CASTING, CA
( 13 )    BFG         BF GOODRICH
( 14 )    WK          WALTER KIDDE

ENTER LOCATION TO BE SELECTED (ZERO - 0 - FOR ALL) >    4

YOU HAVE SELECTED   13 RECORDS FROM THE GFP FILE FOR QUERY

ENTER DESCRIPTION TO BE SEARCHED ON >    TT

DESCRIPTION SEARCH FOR TT      FOUND      3 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY..

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                  GOVERNMENT  FURNISHED  PROPERTY  FILE
                  ====================================

                DESCRIPTION :: TT

PART   NUMBER      IDENT. / TAG NO. CONTRACT NUMBER MOD# CATEGORY
SERIAL NUMBER      NEXT ASSEMBLY    UNIT  COST QTY. LOC. LOCATION
DESCRIPTION                                            APPENDIX
------------------ ---------------- -------------- ---- --------------------
439873-1                            NAS1-14950  (F)      PRODUCTION TOOLING
                   439873-4         $              1  VDBS VOUGHT-DALLAS
CASTING PATTERN                                             III(A)  84

439874-1                            NAS1-14950  (F)      PRODUCTION TOOLING
                   439874-2         $              1  VDBS VOUGHT-DALLAS
CASTING PATTERN                                             III(A)  84
```

11.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal

screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' entered ends the session. A 'Y' entered activates the SPOOLING menu as described in Section 3.1.

11.8 ARCHIVE OPTION

Due to the design of the Government Furnished Property file data base, archiving capability is not provided within this area. If data does need to be archived, however, the system administrator or the data administrator may be contacted concerning a data archive.

12.0 CROSS REFERENCE INDEX FILE

This file contains the alpha numeric cross reference index listing for Scout Standard Operating Procedures (SOP).

Information for each record is stored in the following fields:

PART NUMBER	DESCRIPTION	PROCEDURE	TASK
STEP NUMBER	SUB-LIST	FIGURE NUMBER	

The SOP Cross Reference Index file program main menu appears as follows:

```
SOP CROSS REFERENCE INDEX PROGRAM MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Report  Menu
5.  Search  Menu

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The Cross Reference Index main menu has five (5) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged commands and require a security clearance, and options 4 and 5, REPORT and SEARCH, which have open access. All of these options are discussed in the following sections.

12.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Cross Reference Index file input menu will appear as follows:

SOP CROSS REFERENCE INDEX INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
==========

0. Return to Master Menu
1. Input new record to INDEX File
2. Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

12.1.1 INPUT NEW RECORD TO INDEX FILE

Option 1 allows the user to input records into the Cross Reference Index file data base, the input screen for which appears as follows:

ALPHA NUMERIC CROSS REFERENCE INDEX INPUT / UPDATE SCREEN
==========

PART NUMBER > .....<

DESCRIPTION > .....<

PROCEDURE > .....< TASK > ...<

STEP NUMBER > .....< SUB-LIST > ..<

FIGURE NO. > .....<

12.1.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 performs general file maintenance for the Cross Reference Index file. The Housekeeping menu appears as follows:

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PERFORMS INDEX FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

THIS IS A LONG AND VERY SLOW ROUTINE !!!!

(0) EXIT
(1) SORT FILE ONLY
(2) HOUSEKEEPING (PURGE) ONLY
(3) PERFORM BOTH SORT & PURGE

ENTER OPTION >

Option 0 returns the user to the program main menu. Option 1 sorts the Cross Reference Index file by procedure, task, step number, and sub-list. Option 2 automatically purges those records that have been marked for deletion by the delete routine. Option 3 performs both the sort and the purging of deleted records. No terminal actions are necessary from the user for any of these options. Several messages will be displayed at the terminal screen to inform the user when these tasks have been completed. Below is a listing of the appropriate terminal messages corresponding with the menu options.

Option 1 - Sort File Only

```
PLEASE STAND BY .... SORTING OF INDEX NOW IN PROGRESS
                SORT IS FINALLY DONE !!!
          RECORD HOUSEKEEPING NOW IN PROGRESS
                  ALL DONE !!!!!
```

Option 2 - HOUSEKEEPING (PURGE) ONLY

```
CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ........
   4      RECORDS PURGED ... CLEAN UP NOW IN PROGRESS
 RECORD HOUSEKEEPING NOW IN PROGRESS
            ALL DONE !!!!!!
```

Note that the number of records purged is displayed.

Option 3 - PERFORM BOTH SORT & PURGE

```
 PLEASE STAND BY .... SORTING OF INDEX NOW IN PROGRESS
              SORT IS FINALLY DONE !!!
 CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ..........
```

```
14    RECORDS PURGED ... CLEAN UP NOW IN PROGRESS

RECORD HOUSEKEEPING NOW IN PROGRESS

                ALL DONE !!!!!!
```

12.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Cross Reference Index file update menu will appear as follows:

```
   SOP CROSS REFERENCE INDEX UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Update record in Index File
 2.  Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

12.2.1 UPDATE RECORD IN INDEX FILE

Option 1 allows the user to update a record in the Cross Reference Index file data base. In order to retrieve the desired record, the user must enter the appropriate volume number, which is not a unique field. If no records are found having that volume number, a message stating so will be displayed and the user must enter another volume number. Note that no exit path exists at this point. If some records are found having the specified volume number the number of records retrieved will be displayed at the terminal screen, and the user must then enter the appropriate procedure number. If no records are found containing the desired procedure number a message stating so will be displayed and the user must begin again by entering the appropriate volume number. Note that entering a carriage return

for either volume number or procedure number will retrieve records having a value of 0 for those fields. After entering a volume number and procedure number for which some records have been retrieved, the user must then enter the appropriate part number. If no records are found containing the desired part number, 'ITEM NOT FOUND' will be displayed. The user must either enter another part number, or enter a carriage return, in which case the user will be returned to the program main menu. If any records containing the desired part number are found, they will be displayed in an update screen identical to the input screen illustrated in section 12.1.1 of this document. If there are multiple records having the same part number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records type an '=' at the prompt 'PART-NUMBER?>'. Refer to the example below illustrating update entry and error paths.

```
ENTER VOLUME NUMBER > ** return **    Note that a blank value may be
                                      retrieved by entering a carriage
                                      return.
NO RECORDS FOUND FOR VOLUME 0

TRY  AGAIN ....

ENTER VOLUME NUMBER > 4       Note that the user must begin again with Volume
                              Number.

2,095 RECORDS FOUND IN VOLUME 4

ENTER PROCEDURE NO. > 4-3-1

SEARCH NOW IN PROGRESS

PLEASE STAND BY .....

48 RECORDS FOUND WITH PROCEDURE NUMBER = 4-3-1

PART-NUMBER?> 7-65

ITEM NOT FOUND

PART-NUMBER?> ** return **
```

12.2.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 of the Update menu performs the same Sorting and Housekeeping routine described in detail in section 12.1.2 of this document.

12.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Cross Reference Index file delete menu will appear as follows:

```
  SOP CROSS REFERENCE INDEX DELETE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABE OPTIONS ARE AS FOLLOWS
===============================

 0.  Return to Master Menu
 1.  Delete record in INDEX File
 2.  Delete all record(s) in INDEX File for a procedure
 3.  Sorting & Housekeeping Routine

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

12.3.1 DELETE RECORD IN INDEX FILE

Option 1 allows the user to delete a record from the Cross Reference Index file data base. In order to retrieve the desired record, the user must enter the appropriate procedure number. If no records are found containing the desired procedure number, a message stating so will be displayed and the user must enter another procedure number or type 'QUIT' to return to the program main menu. If some records are retrieved containing the specified procedure number the user must then enter the appropriate part number. If no records are found containing the desired part number, a message stating so will be displayed and the user must begin again by entering a procedure number, or may type 'QUIT' to return to the program main menu. If more than

one record is found containing the search criteria, certain fields of all those records retrieved will be displayed along with their corresponding record numbers, notated as RECNO. The user must enter the record number of the record that is to be deleted. If none of the records displayed are to be deleted, entering a carriage return will return the user to the program main menu. After entering the proper record number, or if only one record was retrieved, all of the fields of the specified record will be displayed with the prompt 'DELETE THIS RECORD (Y or N) >'. If the user responds with 'Y', the record will be marked for deletion, and a message reminding the user that the housekeeping routine must be run in order to internally purge the record will be displayed. The user will then be given the opportunity to delete another record. If the user responds with 'N', no change will be made to the record, and the user will be given the opportunity to delete another record. Note that the user must type 'QUIT' to return to the program main menu. Refer to the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
      TYPE    QUIT   TO RETURN TO MAIN MENU
ENTER PROCEDURE NO. > 9-9-0
NO SUCH PROCEDURE NUMBER IN THE CURRENT DATA FILE **** TRY AGAIN
ENTER PROCEDURE NO. > 4-4-1
ENTER PART NUMBER > 7-54
SEARCH IN PROGRESS
PLEASE STAND BY ...
NO SUCH PART NUMBER AS 7-54        ON PROCEDURE NUMBER 4-4-1
            IN THE CURRENT DATA FILE **** TRY AGAIN
ENTER PROCEDURE NO. > 4-4-1
```

```
   ENTER PART NUMBER > 401A

   SEARCH IN PROGRESS

   PLEASE STAND BY ...

   2 RECORDS WERE FOUND :: PART NUMBER = 401A
             AND  PROCEDURE NUMBER = 4-4-1

$RECNO   DESCRIPTION                          TK  STP   L  FIG

  5633   ANALYZER, SERVO, LING ELECTRONICS              ER
  5670   ANALYZER, SERVO                      E            5

 (Please note that the record numbers displayed here are 5633 and 5670.)

   ENTER RECORD NUMBER TO BE DELETED > 5670

   THE FOLLOWING HAS BEEN FOUND:

PART NUMBER >401A                    PROCEDURE NUMBER >4-4-1

DESCRIPTION >ANALYZER, SERVO

TASK >E       STEP NUMBER >          SUB-LIST >

FIGURE NUMBER >5

 DELETE THIS RECORD (Y OR N) > Y

 PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD.

 THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE

         TYPE    QUIT   TO RETURN TO MAIN MENU

 ENTER PROCEDURE NO. > QUIT
```

12.3.2 DELETE ALL RECORDS in INDEX FILE for a PROCEDURE

Option 2 on the delete menu allows the user to delete all records in the Cross Reference Index file data base associated with a specified procedure number. The user must enter the appropriate procedure number in order to retrieve the desired group of records. If no records are found containing the desired procedure number, a message stating so will be

displayed and the user must either enter another procedure number or type 'QUIT' to return to the program main menu. If records are found containing the desired procedure number, a message stating how many records were retrieved will be displayed, and certain fields of the records found will then be displayed along with the prompt 'DELETE RECORD(S) (Y or N) >'. If the user responds with 'Y', all the records will be marked for deletion and a message reminding the user that the housekeeping routine must be run in order to internally purge the records will be displayed. The user will then be returned to the program main menu. If the user responds with 'N', no change will be made to the records, and the user will be returned to the program main menu. See the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

   THIS PROGRAM WILL DELETE ALL RECORDS FROM THE DATA BASE THAT
          ARE RELATED TO A SELECTED PROCEDURE NUMBER.

   TYPE        QUIT        TO RETURN TO THE MAIN MENU

   ENTER PROCEDURE NO. > 9-9-0

   SEARCH NOW IN PROGRESS
   *** PLEASE STAND BY ***

   NO SUCH PROCEDURE NUMBER AS 9-9-0    IN THE CURRENT DATA FILE
                ***  TRY AGAIN

    ENTER PROCEDURE NO. > 4-4-1

    SEARCH NOW IN PROGRESS
    *** PLEASE STAND BY ***

    8 RECORDS WERE FOUND :: PROCEDURE = 4-4-1

401A              ANALYZER, SERVO, LING ELECTRONICS          ER
331-63092         BATTERY ADAPTER, BASE A                    ER
                  BLEED LINE, POLYETHYLENE                   ER
401-30101-1       CABLE, HYDRAULIC POWER                     ER
401-30075-2       CABLE, VALVE TEST                          ER
331-00017         CHART, TORQUE VALVES FLUID FTTNGS          ER
23-002901-1       FILTER PATCH KIT                           ER
```

331-50003-2 HOSE, HYDRAULIC PRESSURE ER

DELETE RECORD(S) (Y OR N) > Y

PLEASE NOTE ... HOUSEKEEPING ROUTINE MUST BE RUN TO PURGE DELETED RECORDS.

12.3.3 SORTING and HOUSEKEEPING ROUTINE

Option 3 performs the same Sorting and Housekeeping routine described in detail in section 12.1.2 of this document.

12.4 REPORT OPTION

The report menu for the Index file appears as follows:

0. Return to the Master Menu
1. Report by Procedure Number
2. Report by Volume Number
3. Report by Sublist ER MR
4. Print of Entire File

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All report options use the Cross Reference Index Standard Output Report format which is illustrated in Appendix G-1.

Options 1 through 4 are complete dumps of the data file, none of which display any output to the terminal screen.

Option 1 gives the data for all file records containing the same procedure number, such as 2-4-26.

Option 2 gives the data for all file records which are contained in a specified volume number. The volume number is defined as the first number of the procedure number.

Option 3 is a specialized report of all file records which contain either an 'ER' or an 'MR' in the sub-list field. The user has the option of outputting the report by one of three sort options: a) procedure number, b) part number, or c) description.

Option 4 is a complete dump of the entire data file with three sort options available: a) procedure number, b) part number, or c) description.

12.5 SEARCH OPTION

The search menu for the Index file appears as follows:

```
0. Return to the Master Menu
1. Search / Retrieve on Part Number Only
2. Search / Retrieve on Description Only
3. Search / Retrieve on Procedure  Only
4. Search / Retrieve on Part No. & Description
5. Search / Retrieve on List

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

All searches display complete record data in a specialized report format. Options 2 & 4 are partial field searches, such as retrieval for 'OSCILL' found in the DESCRIPTION field. This search would retrieve both OSCILLOSCOPE & OSCILLATOR. When retrieval is completed and displayed at the terminal screen, a printout may be spooled. Option 5 allows the user to retrieve records containing a specific value in the sub-list field, such as: ER , IC , MR , PR , RF , or SC. Records containing a blank value for the sub-list field may also be retrieved using this search.

All search options use the Cross Reference Index Standard Output Report format which is illustrated in Appendix G-1.

12.6 SAMPLE SEARCH

The following is a sample of the terminal actions performed during a PART NUMBER & DESCRIPTION search (option # 4). It should be noted that in the following example that a PART NUMBER of 'BLANK' was entered. This is another of the few fields which can be searched for a null entry.

```
 THIS SEARCH ROUTINE PERFORMS THE PART NUMBER / DESCRIPTION RETRIEVAL
   ENTER PART NUMBER TO BE SEARCHED ON >
       PLEASE STAND BY....SEARCH NOW IN PROGRESS
       PART NUMBER SEARCH FOR                    FOUND   1,183 RECORDS
   ENTER DESCRIPTION TO BE SEARCHED ON > OSCILL
       PLEASE STAND BY....SEARCH NOW IN PROGRESS
       DESCRIPTION SEARCH FOR OSCILL             FOUND   1 RECORDS
   TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...
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                 SOP CROSS REFERENCE INDEX
PART NUMBER / DESCRIPTION          PROCED TK   STP   L  FIG
---------------------------------- ------ --- ----- -- ----
                                   4-3-16          ER
RECORDER (TAPE/OSCILLOGRAPH)
 OUTPUT TO PRINTER (Y OR N) > N
```

12.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in Section 3.1.

12.8 ARCHIVE OPTION

Due to the design of the Cross Reference Index file program and data files, archiving capability is not provided within this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

13.0 ALPHA NUMERIC DRAWING FILE

This file contains a list of drawings which can be output either in order of drawing number (numeric listing), or in order of nomenclature (alpha listing).

Information for each record is stored in the following fields:

DRAWING NUMBER	SHEET NUMBER	NOMENCLATURE
EO NUMBER	EO TYPE	REVISION
FROM - THRU EFFECTIVITY		CODE DESIGNATION

This file also contains the SPECIFICATION data file, which is appended to the alpha and numeric listings of the Drawings reports.

Information for each record is contained in the following fields:

SPECIFICATION NUMBER	REVISION	AMENDMENT	TITLE

The Alpha Numeric Drawing file program main menu appears as follows:

```
ALPHA NUMERIC INDEX / SPECIFICATION FILE PROGRAM MENU FOR SCOUT PROJECT OFFICE

 AVAILABLE OPTIONS ARE AS FOLLOWS
 ================================

  1.  Input   Menu
  2.  Update  Menu
  3.  Delete  Menu
  4.  Report  Menu
  5.  Search  Menu

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The Alpha Numeric Drawing file program main menu has five (5) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged commands and require a security clearance, and options 4 and 5, REPORT

and SEARCH, which have open access. All of these options are discussed in the following sections.

13.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Alpha Numeric Drawing file input menu will appear as follows:

```
ALPHA NUMERIC INDEX / SPECIFICATION FILE INPUT MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Input new record to INDEX File
 2.  Input new record to SPEC  File
 3.  Sorting & Housekeeping Routine

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

13.1.1 INPUT NEW RECORD INTO INDEX FILE

Option 1 allows the user to input records into the Alpha Numeric Drawing file data base, the input screen for which appears as follows:

```
                ALPHA  NUMERIC  INDEX  INPUT / UPDATE  SCREEN
                =====================================

DRAWING NO. > .........<       SHEET NUMBER(S) > ........<      REV > ...

NOMENCLATURE > ..............................<

E.O. TYPE > .<     R = RELEASE    C = CHANGE    D = DEVIATION

E.O. NUMBER > .......<

FROM > ....<      THRU > ....<

CODE DESIGNATIONS > ..<      0) VEHICLE                        5) SERIES 25 & 200
                             1) HEATSHIELD A-1 THRU A-74          E SECTIONS
............................ 2) HEATSHIELD A-400 SERIES        6) EG SECTION
                             3) HEATSHIELD A-500 SERIES        7) 4TH STG. MOD.
                             4) STD. E SECTION - UP TO E-54    9) MISCELLANEOUS
                                                              12) GSE
```

13.1.2 INPUT NEW RECORD INTO SPEC FILE

Option 2 allows the user to input records into the Specification file, which is an additional data file contained within the Alpha Numeric Drawing file data base area. The Specification file input screen appears as follows:

```
                SPECIFICATION FILE INPUT / UPDATE SCREEN
                ========================================

SPECIFICATION NO. > ..............<

REVISION > ....

AMENDMENT >...

TITLE:
>.....................................................................<

SPEC NO. FOR SORT > ..............<
                    NNN-NNNN-NNN-N
```

13.1.3 SORTING and HOUSEKEEPING ROUTINE

Option 3 performs general file maintenance for the Alpha Numeric Drawing file. The Housekeeping menu appears as follows:

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

THIS PROGRAM PERFORMS THE ALPHA-NUMERIC FILE HOUSEKEEPING:

  SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

  THIS IS A LONG AND VERY SLOW ROUTINE !!!!

(0)  EXIT
(1)  SORT ALPHA-NUMERIC FILE ONLY
(2)  HOUSEKEEPING (PURGE) ALPHA-NUMERIC FILE ONLY
(3)  PERFORM BOTH SORT & PURGE ON ALPHA-NUMERIC FILE ONLY
(4)  SORT SPECIFICATION FILE ONLY

     ENTER OPTION >
```

Option 0 returns the user to the program main menu. Option 1 sorts the Alpha Numeric file by drawing number and sheet number. Option 2 automatically purges those records that have been marked for deletion by the delete routine. Option 3 performs both the sort and the purging of deleted records for the Alpha Numeric file. Option 4 sorts the Specification file by Specification number. No terminal actions are necessary from the user for any of these options. Several messages will be displayed at the terminal screen to inform the user when these tasks have been completed. Below is a listing of the appropriate terminal messages corresponding with the menu options.

Option 1 - Sort Alpha Numeric file only

```
PLEASE STAND BY .... SORTING OF ALPHA-NUMERIC FILE
            IS NOW IN PROGRESS

      SORT IS FINALLY DONE !!!!!!!
```

Option 2 - Housekeeping (Purge) Alpha Numeric file only

```
CLEAN UP OF DELETED RECORDS NOW IN PROGRESS .........

 8 RECORDS PURGED ... CLEAN UP NOW IN PROGRESS
                  ALL DONE !!!!!!!!!
```

Note that the number of records purged is displayed.

Option 3 - Perform both Sort and Purge on Alpha Numeric file only

```
PLEASE STAND BY .... SORTING OF ALPHA-NUMERIC FILE
            IS NOW IN PROGRESS

     SORT IS FINALLY DONE !!!!!!!!!

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS .........

  8 RECORDS PURGED ... CLEAN UP NOW IN PROGRESS

              ALL DONE !!!!!!!!
```

Option 4 - Sort of Specification file only

```
PLEASE STAND BY .... SORTING OF SPECIFICATION FILE
          IS NOW IN PROGRESS

               ALL DONE !!!!!!!
```

When each option is completed the user is returned to the program main menu.

13.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Alpha Numeric Drawing file update menu will appear as follows:

```
ALPHA NUMERIC INDEX / SPECIFICATION FILE UPDATE MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0.  Return to Master Menu
1.  Update record in Index File
2.  Update record in Spec  File
3.  Sorting & Housekeeping Routine

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

13.2.1 UPDATE RECORD IN INDEX FILE

Option 1 allows the user to update a record in the Alpha Numeric Drawing file data base. In order to retrieve the desired record, the user must enter the appropriate drawing number, notated as 'DRAW-NUMBER?>'. If no records are found containing the desired drawing number, 'ITEM NOT FOUND' will be displayed and the user must enter a new drawing number or a carriage return, in which case the user will be returned to the program main

menu. If the desired record is found it will be displayed in an update screen identical to the input screen illustrated in section 13.1.1 of this document. If there are multiple records having the same drawing number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'DRAW-NUMBER?>'. Refer to the example below illustrating update entry and error paths.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
DRAW-NUMBER?> 6-5400
ITEM NOT FOUND
DRAW-NUMBER?>  ** return **
```

13.2.2 UPDATE RECORD IN SPEC FILE

Option 2 allows the user to update a record in the Specificatior data file. In order to retrieve the desired recrord, the user must enter the appropriate specification number, which is notated as 'SPEC-NO?>'. If the desired record is found it will be displayed in an update screen identical to the input screen illustrated in section 13.1.1 of this document. If there are multiple records having the same specification number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records type an '=' at the prompt 'SPEC-NO?>'. If no records are found having the desired specificatior number, 'ITEM NOT FOUND' will be displayed and the user must enter a new specification number or enter a carriage return, in which case the will be returned to the program main menu. Refer to the following example illustrating the error path.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
SPEC-NO?> 1018
ITEM NOT FOUND
```

SPEC-NO?> ** return **

13.2.3 SORTING and HOUSEKEEPING ROUTINE

Option 3 of the Update menu performs the same Sorting and Housekeeping routine described in detail in section 13.1.3 of this document.

13.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Alpha Numeric Drawing file delete menu will appear as follows:

```
ALPHA NUMERIC INDEX / SPECIFICATION FILE DELETE MENU FOR SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Delete record in INDEX File
 2.  Delete record in SPEC  File
 3.  Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

13.3.1 DELETE RECORD FROM INDEX FILE

Option 1 allows the user to delete a record from the Alpha Numeric Drawing file data base. In order to retrieve the desired record, the user must enter the appropriate drawing number. If no records are found having the desired drawing number, a message stating so will be displayed and the user must either enter a new drawing number or type 'QUIT' to return to the program main menu. If some records are found having the desired drawing number the user must then enter the appropriate sheet number. If no records containing the desired sheet number are found, a message stating so will be

displayed and the user must either begin again by entering the desired drawing number or type 'QUIT' to return to the program main menu. If more than one record is found containing the search criteria, certain fields of all those records retrieved will be displayed along with their corresponding record numbers, notated as RECNO. The user must enter the record number of the record that is to be deleted. If none of the records displayed are to be deleted, entering a carriage return will return the user to the program main menu. After entering the proper record number, or if only one record was retrieved, all of the fields of the specified record will be displayed with the prompt 'DELETE THIS RECORD (Y or N) >'. If the user responds with 'Y', the record will be marked for deletion, and a message reminding the user that the housekeeping routine must be run in order to internally purge the record will be displayed. The user will then be given the opportunity to delete another reocrd. If the user responds with 'N', no change will be made to the record, and the user will be given the opportunity to delete another record. Note that the user must type 'QUIT' to return to the program main menu. Refer to the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
       TYPE    QUIT   TO RETURN TO MAIN MENU
ENTER DRAWING NUMBER > 7-601
NO SUCH DRAWING NUMBER IN THE CURRENT DATA FILE **** TRY AGAIN
ENTER DRAWING NUMBER > 23 000101
ENTER SHEET NUMBER > 01
SEARCH IN PROGRESS
PLEASE STAND BY ....
```

```
   3 RECORDS WERE FOUND :: DRAWING NUMBER = 23 00101
             AND  SHEET NUMBER = 01

$RECNO   REVISION EOTYPE EONUMBER FROM THRU CODE
   60    J        R      51395    E201  SUB  5
   61    J        R      51395    0192  SUB  0
   62    J        R      51395    E042 E054  4
```

(Please note that the record numbers displayed here are 60, 61, and 62.)

```
ENTER RECORD NUMBER TO BE DELETED > 61

  THE FOLLOWING HAS BEEN FOUND:

DRAWING NUMBER >23 000101       SHEET NUMBER >01

REV >J        NOMENCLATURE >PIN INDEXING ADAPT RING

EO TYPE >R      EO NO. >51395        CODE > 0

FROM >0192      THRU > SUB

   DELETE THIS RECORD (Y OR N) > Y

   PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD

   THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE

         TYPE    QUIT    TO RETURN TO MAIN MENU

   ENTER DRAWING NUMBER > QUIT
```

13.3.2 DELETE RECORD FROM SPEC FILE

Option 2 allows the user to delete a record from the Specification data file. In order to retrieve the desired record, the user must enter the appropriate specification number. If no records are found having the desired specification number, a message stating so will be displayed and the user must enter another specification number or type 'QUIT' to return to the program main menu. If some records are found containing the desired specification number the user must then enter the revision. If no records are found having the desired revision the user must either begin again by entering a specification number or type 'QUIT' to return to the program main menu. If

more than one record is found containing the search criteria, certain fields of all those records retrieved will be displayed along with their corresponding record numbers, notated as RECNO. The user must enter the record number of the record that is to be deleted. If none of the records displayed are to be deleted, entering a carriage return will return the user to the program main menu. After entering the proper record number, or if only one record was retrieved, all of the fields of the specified record will be displayed with the prompt 'DELETE THIS RECORD (Y or N) >'. If the user responds with 'Y', the record will be internally purged. Note that it is not necessary in this case to run the housekeeping routine. If the user responds with 'N', no change will be made to the record. In either the case, the user will be given the opportunity to delete another record. Note that the user must type 'QUIT' to return to the program main menu. Refer to the example below.

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
   THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
         TYPE    QUIT   TO RETURN TO MAIN MENU
   ENTER SPECIFICATION NUMBER > 465
   NO SUCH SPECIFICATION NUMBER IN THE CURRENT DATA FILE **** TRY AGAIN
   ENTER SPECIFICATION NUMBER > 205-23-005
   THE FOLLOWING HAS BEEN FOUND:
SPECIFICATION NUMBER >205-23-005          REVISION >A        AMENDMENT >
TITLE >
RATE GYRO ACCEPTANCE TEST SPECIFICATION
   DELETE THIS RECORD (Y OR N) > Y
   THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
         TYPE    QUIT   TO RETURN TO MAIN MENU
```

ENTER SPECIFICATION NUMBER > QUIT

13.3.3 SORTING and HOUSKEEPING ROUTINE

Option 3 performs the same Sorting and Housekeeping routine described in detail in section 13.1.3 of this document.

13.4 REPORT OPTION

The report menu for the Drawing file appears as follows:

0. Return to the Master Menu
1. Report on Code Designations
2. Report on E.O. Types
3. Numeric Report on Entire file
4. Alpha-Numeric Report on Entire file
5. Dump of Entire Specification File

Options 1 through 4 are reports containing data from the Drawing file and Option 5 provides a report on the Specification file.

Option 1 generates a report containing data for all file records containing the same code designation. A listing of current codes available for searching is provided within the report routine, for example:

THIS SEARCH ROUTINE PERFORMS THE CODE QUERY / RETRIEVAL

THE CURRENT CODES AVAILABLE FOR SEARCHING ARE:

(C) VEHICLE
(1) HEATSHIELDS A-1 THRU A-74
(2) HEATSHIELDS A-400 SERIES
(3) HEATSHIELDS A-500 SERIES
(4) STD. E SECTION - UP TO E-54
(5) SERIES 25 & 200 E SECTIONS
(6) EG SECTION
(7) 4TH STAGE MODULES
(9) MISCELLANEOUS
(12) GSE

Option 2 generates a report containing data for all file records containing the same E.O. type. The report format is similar to that of

option 1, and a list of current E.O. types available for searching is provided, for example:

```
THIS SEARCH ROUTINE PERFORMS THE E.O. TYPE QUERY / RETRIEVAL

THE CURRENT TYPES AVAILABLE FOR SEARCHING ARE:
==============================================

( R )   RELEASE E.O.
( C )   CHANGE E.O.
( D )   DEVIATION E.O.
```

Options 3 and 4 generate a complete dump of the Alpha Numeric file. The report for option 3 is the numeric listing of the file and is sorted by drawing number. Refer to Appendix H-1 for an example of the Alpha Numeric Drawing Numeric Report output format. Option 4 generates a listing sorted by nomenclature which is much more time consuming. Refer to Appendix H-2 for an example of the Alpha Numeric Drawing Alpha Report output format.

Option 5 provides a straight dump of the entire Specification file - no special options are available with this report routine. The following is an example of the terminal actions performed during the execution of report option 5 :

```
THIS SEARCH ROUTINE PERFORMS THE SPECIFICATION REPORT OUTPUT

  YOU HAVE     514 RECORDS IN THE SPECIFICATION FILE

  PRINTER OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...
```

No report is generated at the terminal screen for this option. See Appendix H-3 for an example of the Alpha Numeric Specification file output report format. An example of the data that would be spooled to the printer is shown on the following page.

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SCOUT NUMERICAL INDEX OF ACTIVE SPECIFICATIONS

SPEC. NO. / TITLE	REV.	AMD
204-23-001 PCM SIGNAL CONDITIONING ASSEMBLY - QUALITY TEST	A	01
204-23-001 SUPPLEMENT NO. 2A	A	
204-23-001 SUPPLEMENT NO. 1A	A	
204-23-002 BLADDER, H202 TANK, PROCUREMENT SPEC		
204-23-003 AIR CONDITIONING UNIT H/S ENVIRON. CONTROL		

13.5 SEARCH OPTION

The search menu for the Index file appears as follows:

0. Return to the Master Menu
1. Search / Retrieve on Drawing Number Only
2. Search / Retrieve on Nomenclature Only
3. Search / Retrieve on From - Thru Effectivity
4. Search / Retrieve on Specification Number
5. Search / Retrieve on Specification Title

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

All searches display complete record data in a specialized report format. Option 1 produces a report for the record(s) containing a specified drawing number. See example #1 in the following section.

Option 2 generates a report of all records containing a certain string of characters in the nomenclature field. Since this is a partial search, a search for 'OSCILL' would retrieve those records containing both 'OSCILLOSCOPE' and 'OSCILLATOR' in the nomenclature field. See example #2

in the following section.

Option 3 performs a from-thru search for any of ten different codes described in option 1 of the Report generator (section 13.4). A listing of current codes available for searching is provided in the search routine. After selecting the desired code for searching, the user will be prompted for the FROM value. A report will be generated comprised of all those records containing the FROM value somewhere within the FROM-THRU interval. This report will be displayed at the terminal screen with the option for printer output. See example #3 in the following section. Refer to Appendix H-1 for an example of the printer output for options 1, 2, and 3.

Options 4 and 5 retrieve records from the Specification data file. Option 4 provides a report of the record(s) containing a particular specification number. Option 5 is a partial search on the specification title, and works similarly tc the nomenclature search performed in option 3. The terminal output for options 4 and 5 uses the same format as that which is illustrated in the example on the previous page. Refer to Appendix H-3 for an example of the printer output format for options 4 and 5.

13.6 SAMPLE SEARCHES

This section illustrates several of the searches for the Alpha Numeric Drawing file.

Example #1 : These are the terminal actions performed during search option #1 - the drawing number search.

```
THIS SEARCH ROUTINE PERFORMS THE DRAWING NUMBER QUERY / RETRIEVAL
ENTER DRAWING NUMBER TO BE SEARCHED ON > 23 000415
```

```
   PLEASE STAND BY.....SEARCH NOW IN PROGRESS

   DRAWING NUMBER SEARCH FOR 23 000415  FOUND          1 RECORDS

   TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...

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                              ALPHA  NUMERIC  INDEX

DRAWING NO SHEET #  REV NOMENCLATURE / CODE DESIGNATIONS EO TYPE/# FROM THRU
---------- -------- --- ------------------------------- --------- ---- ----

23 000415  01       B   WELD ASSY TRAN SEC D GRD COOL    R 32457   0192  SUB
                         0  = VEHICLE
```

Example #2 : These are the terminal actions performed during the nomenclature search - search option #2.

```
   THIS SEARCH ROUTINE PERFORMS THE NOMENCLATURE QUERY / RETRIEVAL

       ENTER NOMENCLATURE TO BE SEARCHED ON > RING

       PLEASE STAND BY.....SEARCH NOW IN PROGRESS

   NOMENCLATURE SEARCH FOR RING              FOUND     4  RECORDS

       TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...

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                              ALPHA  NUMERIC  INDEX

DRAWING NO SHEET #  REV NOMENCLATURE / CODE DESIGNATIONS EO TYPE/# FROM THRU
---------- -------- --- ------------------------------- --------- ---- ----

23 000040  01       E   ADAPT RING ASSY SECT C LWR       R 51394   0192  SUB
                         0  = VEHICLE

23 000101  01       J   PIN INDEXING ADAPT RING          R 51395   E201  SUB
                         5  = SERIES 25 & 200  E SECTIONS

23 000101  01       J   PIN INDEXING ADAPT RING          R 51395   0192  SUB
                         0  = VEHICLE

23 000101  01       J   PIN INDEXING ADAPT RING          R 51395   E042 E054
                         4  = STD. E SECTION - UP TO E-54
```

Example #3 : These are the terminal actions performed during the from-thru effectivity search - search option #3.

```
   THIS SEARCH ROUTINE PERFORMS THE FROM-THRU QUERY / RETRIEVAL

     THE CURRENT CODES AVAILABLE FOR SEARCHING ARE:
     ==========================================

(  0 )   VEHICLE
(  1 )   HEATSHIELDS A-1 THRU A-74
(  2 )   HEATSHIELDS A-400 SERIES
(  3 )   HEATSHIELDS A-500 SERIES
(  4 )   STD. E SECTION - UP TO E-54
(  5 )   SERIES 25 & 200  E SECTIONS
(  6 )   EG SECTION
(  7 )   4TH STAGE MODULES
(  9 )   MISCELLANEOUS
( 12 )   GSE


      ENTER CODE TO BE SELECTED > 0

      SEARCH FOR CODE = 0 NOW IN PROGRESS

      YOU HAVE SELECTED   990 RECORDS FROM THE ALPHA NUMERIC FILE FOR QUERY

      ENTER FROM VALUE > 198

      ***   762 RECORDS FOUND FOR THE FROM-THRU SEARCH ***

      TERMINAL OUTPUT NOW BEING GENERATED......PLEASE STAND BY...

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                              ALPHA  NUMERIC  INDEX

DRAWING NO SHEET #  REV NOMENCLATURE / CODE DESIGNATIONS EO TYPE/# FROM THRU
---------- -------- --- ------------------------------- --------- ---- ----

23 000021  01       V   FIN ASSY BASE SECT A            R 51430   0192  SUB
                         0  = VEHICLE

23 000021  02       V   FIN ASSY BASE SECT A            R 51430   0192  SUB
                         0  = VEHICLE

23 000021  03       V   FIN ASSY BASE SECT A            R 51430   0192  SUB
                         0  = VEHICLE

23 000021  04       U   FIN ASSY BASE SECT A            R 51395   0192  SUB
                         0 = VEHICLE
```

13.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in section 3.1.

13.8 ARCHIVE OPTION

Due to the design of the Alpha Numeric Drawing file program and data files, no archiving capability is provided within this area. If data does need to archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

14.0 MARK UP FILE

The purpose of this section is to describe the terminal operations required for the user to access and maintain the Markup data base file. This file is a data base area containing Markups that have been written in reference to Scout Standard Procedures. Markups are developed from approved Change Requests, and are numbered consecutively and without a prefix. The San Marco Operating Procedures use the prefix SM (San Marco) and are numbered as follows: the first number indicates the SOP Volume number, the second set of numbers (after the dash) indicates the procedure within each Volume (these are numbered consecutively starting with the first procedure of each volume) and the number in parentheses indicates the number of changes, numbered consecutively starting with one (1), for that particular SOP. A letter suffix represents the revision.

The Markup file is used as a continuously updated log of Markup traffic, to record the results of the NASA / LaRC / SPO review of all Markups, and to record the Vought TWX number recommending permanent incorporation of markups into formal change packages and the NASA / LaRC / SPO TWX message number dispositioning the Vought recommendation.

Information for each record is stored in the following fields:

1) MARK UP NUMBER : 1224

2) CR NUMBER(S) : PA 2508

3) COMMENTS : OK

4) DATE OUT : 9-16-82

5) DATE IN : 9-27-82

6) LTV TWX : 3T-025

7) SPO TWX : S-6508/CWW

8) PROCEDURE / ENGINEER : 2616 EEH/KFT

The Mark Up file program main menu appears as follows:

```
Welcome to SPADS - MARK UP File

Available Options are as follows:
=================================

(0)  Exit    - quit program (Return)
(1)  Input   - add new records to file
(2)  Update  - revise or delete records
(3)  Search  - query & retrieve records
(4)  Archive - purge & save old records
(5)  Quickie - fast change or output of records
(6)  Rebuild - Sorting & housekeeping of data file

    Enter Option >
```

The Mark Up file main menu has six (6) options: options 1, 2, 4, and 5, INPUT, UPDATE, ARCHIVE, and QUICKIE, which are privileged commands and require a security clearance, and options 3 and 6, SEARCH and REBUILD, which have open access. All of these options are discussed in the following sections.

14.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Mark Up file input routine operates as follows:

```
    Enter Option > 1
WELCOME TO THE MARK UP FILE INPUT ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS
(1) MARK UP NUMBER
!       !
 1327
 1327
```

```
 (2) CHANGE REQUEST NUMBERS  ( 4 ENTRIES MAX.)

 ENTER CR NUMBER >  DAL3191
 ENTER CR NUMBER > ** return **
 ENTER CR NUMBER > ** return **
 ENTER CR NUMBER > ** return **

(3) COMMENTS (40 CHAR)
!                                        !
 OK BATTERY SIMULATOR PREP.
 OK BATTERY SIMULATOR PREP.

(3) COMMENT LINE # 2
!                                        !
    BATTERY VOLTAGE CHANGES
    BATTERY VOLTAGE CHANGES

(4) DATE OUT  =   6-11-84

(5) DATE IN
!MMDDYY!
  1 384
  1 384

 (6) LTV TWX NUMBER:
!        !
 4T-10
 4T-10

(7) SPO TWX #  =  OPEN

(8) EFFECTED PROCEDURE
!    !    !    !    !    !    !    !    !    !    !    !    !    !    !    !    !
 432
  432    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0


  1) MARK UP NUMBER        : 1327
  2) CR NUMBER(S)          : DAL3191
  3) COMMENTS              : OK BATTERY SIMULATOR PREP.
                                BATTERY VOLTAGE CHANGES
  4) DATE OUT              :  6-11-84
  5) DATE IN               :  1- 3-84
  6) LTV TWX               : 4T-10
  7) SPO TWX               : OPEN
  8) PROCEDURE / ENGINEER  :  432      DMF/JFD

RECORD CORRECT (COR)  **  NEED REVISE  (REV) > COR

 More Input  (Y or N) > N
```

```
(0)  NO OUTPUT !!!
(1)  SCOUT  PROJECT OFFICE / LARC, NASA
(2)  VOUGHT CORPORATION    / DALLAS, TX
(3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED TO PRINTER !!!!

Data Base File needs Sorting ... Run option # 6 when ready
```

It should be noted that the value for Date Out is automatically input as the current input date. Also, the SPO TWX # is automatically input as OPEN, and may be changed through the update routine. When the input record is displayed on the terminal screen, the user must either enter 'COR' to indicate that the record is correct, or 'REV' to indicate that the record needs revision. If the user responds with 'REV', the system will prompt the user for how many and which fields need to be corrected. When the input has been completed, the user will have the opportunity to spool a hard copy of the input record(s), and will then be returned to the program main menu. Refer to Appendix I-1 for an example of the Mark Up Input Report output format. The Rebuild option (option 6) must be run before any more operations are performed on the Mark Up data base.

14.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Mark Up file update routine operates as follows:

```
    Enter Option > 2

WELCOME TO THE MARK UP FILE REVISE ROUTINE

PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS
```

```
 Enter MARKUP # to be REVISED or DELETED >  4301

 STAND BY.  SEARCH NOW IN PROGRESS.

 SORRY, DOCUMENT 4301     HAS NOT BEEN FOUND

 Enter MARKUP # to be REVISED or DELETED >  1301

 STAND BY.  SEARCH NOW IN PROGRESS.

  1) MARK UP NUMBER        : 1301
  2) CR NUMBER(S)          : PA 2544
  3) COMMENTS              : OK ENGINEERING REVIEW ADDED 8-26-83
  4) DATE OUT              :  9- 7-83
  5) DATE IN               :  9-12-83
  6) LTV TWX               : 3T-072
  7) SPO TWX               : S-6684/CWW
  8) PROCEDURE / ENGINEER  :  572      DMF/DMR

 Is this the correct document (YES or NO) > YES

 Document REVISED or DELETED (REV or DEL) > REV

How many items do you wish to Revise > 1

Enter item number to be Revised > 5

(5) DATE IN
!MMDDYY!
  21584
  21584

  1) MARK UP NUMBER        : 1301
  2) CR NUMBER(S)          : PA 2544
  3) COMMENTS              : OK ENGINEERING REVIEW ADDED 8-26-83
  4) DATE OUT              :  9- 7-83
  5) DATE IN               :  2-15-84
  6) LTV TWX               : 3T-072
  7) SPO TWX               : S-6684/CWW
  8) PROCEDURE / ENGINEER  :  572      DMF/DMR

RECORD CORRECT (COR)  **  NEED REVISE  (REV) > COR

 Enter MARKUP # to be REVISED or DELETED > ** return **
```

When the updated record is displayed the user must type either 'COR' to indicate that the record is correct, or 'REV' to indicate that the record needs further revision. If the user responds with 'REV', the system will again prompt for how many and which fields need to be updated. When updat-

ing has been completed, the user must enter a carriage return at the prompt for mark up number and will then be returned to the program main menu.

14.3 DELETE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Mark Up file delete routine operates as follows:

```
    Enter Option > 2
WELCOME TO THE MARK UP FILE REVISE ROUTINE
PLEASE INPUT INFORMATION BETWEEN THE EXCLAMATION MARKS
 Enter MARKUP # to be REVISED or DELETED >  1327
 STAND BY.  SEARCH NOW IN PROGRESS.
  1) MARK UP NUMBER        : 1327
  2) CR NUMBER(S)          : DAL3191
  3) COMMENTS              : OK BATTERY SIMULATOR PREP.
                             BATTERY VOLTAGE CHANGES
  4) DATE OUT              : 12-22-83
  5) DATE IN               :  1- 3-84
  6) LTV TWX               : 4T-10
  7) SPO TWX               : S-6738/CWW
  8) PROCEDURE / ENGINEER  :  432      DMF/JFD
 Is this the correct document (YES or NO) > YES
 Document REVISED or DELETED (REV or DEL) > DEL
 MARK UP : 1327     DELETED FROM DATA BASE

 Enter MARKUP # to be REVISED or DELETED > ** return **
Data Base File needs Sorting ... Run option # 6 when ready
```

When deleting is completed the user must enter a carriage return at the prompt for mark up number and will then be returned to the program main menu. The Rebuild option (option 6) must be run before any more operations

are performed on the Mark Up data base.

14.4 REPORT OPTION

Due to the design of the Mark Up file program and data files, no report generator exists for this area.

14.5 SEARCH OPTION

All of the data items within a Markup file record are searchable. It should be noted that the Markup program's mode of operation is similar to that of the CHANGE REQUEST file. Therefore, a review of Section 9 should prove helpful to the user. The Date In and Date Out searches (options 6 and 8) have the capability of retrieving an entire month's or year's worth of data by entering 00 for the day or month. For example, entering 110078 would result in finding all the documents within the data base in the eleventh month, November, for the year 1978. Likewise, an entry of 000078 would retrieve all documents for the year 1978. See example #1 in the following section.

There is a specialized 'ALL' search (option 1) which outputs all documents in the Markup data base file. No terminal display of the records is performed. However, the number of Markup records found will be displayed. The output is automatically spooled to the system printer located in the Scout Project Office computer room at NASA / Langley, Hampton. Refer to Appendix I-2 for an example of the Mark Up ALL Search report output format.

The Comments search (option 2) performs a single word search of the comments field. Since this is a partial search, the single word entry of 'RING' would retrieve records containing 'RING' and 'SPRING' in the comments field. The comments field is displayed on the terminal screen for

each record found containing the search criteria. Subsequent words may be searched on within the same group of records. For instance, the user may search on the word 'TEST' in the comments field. After those records containing 'TEST' have been found, the user may then search that same group of records for 'SET' to narrow down the group to a more specific set of records. When finished searching the user will type 'QUIT' at the search word prompt, and those records retrieved will be displayed on the terminal screen, along with the option for printer output.

The following searches: C/R number (option 3), LTV TWX number (option 4), SPO TWX number (option 5), Mark Up number (option 7), SOP number (option 9), and SOP Volume number (option 11) are similar in operation. The SOP Volume number is defined as the first digit of the SOP number. After entering the appropriate search criteria, the records found will be displayed at the terminal screen along with the option for printer output. A sample C/R number search is shown in the following section in example #2.

The SOP Engineer search (option 10) retrieves the responsible engineer(s) for a specified SOP number. See example #3 in the following section. Refer to Appendix I-3 for an example of the Responsible Engineer SOP Report output format.

If many documents are found during a search, only enough records to fill the terminal screen will be displayed at a time, with 'More?' displayed at the bottom of the terminal screen. The user may respond with 'Y', to indicate that the next screen full of records is to be displayed, or with 'N', to indicate that no more records are to be displayed. If a carriage return is entered, a value of 'Y' is taken as default.

Search options other than the ALL and the SOP Engineer searches use the same report format that is used in the example on page 184.

14.6 SAMPLE SEARCHES

The purpose of this section is to provide an example of the user actions performed in order to SEARCH the Mark Up Data Base.

Example #1 - a sample Date Out search - option 8 :

```
    Welcome to the MARK UP Search Routine
    =====================================

    Available Options are as follows:

 (0) Exit           - Return to Main Menu
 (1) Dump All       - Output Entire File to Printer (No Terminal Display)
 (2) Comments       - Single Word Search within Comments
 (3) C/R Number     - Search & Retrieve on Change Request No.
 (4) LTV TWX #      - Search & Retrieve on LTV TWX Number
 (5) SPO TWX #      - Search & Retrieve on Scout Project TWX Number
 (6) Date IN        - Search & Retrieve on Input Date
 (7) MARK UP Number - Search & Retrieve on Mark Up Control Number
 (8) Date OUT       - Search & Retrieve on Date Review completed
 (9) SOP Number     - Search & Retrieve on Standard Operating Procedure No.
(10) SOP Engineer   - Search & Retrieve Responsible Engineer(s) by SOP  No.
(11) SOP Volume No. - Search & Retrieve on SOP Volume Number (1st digit)

                Enter Option  >     8

WHAT IS THE DESIRED DATE (MMDDYY) > 090082

STAND BY.  SEARCH NOW IN PROGRESS.

 1) MARK UP NUMBER        : 1224
 2) CR NUMBER(S)          : PA 2508
 3) COMMENTS              : OK
 4) DATE OUT              :  9-16-82
 5) DATE IN               :  9-27-82
 6) LTV TWX               : 3T-025
 7) SPO TWX               : S-6508/CWW
 8) PROCEDURE / ENGINEER  : 2616      EEH/KFT

THERE ARE     1 DOCUMENTS WITH A DATE OUT OF  9- 0-82
```

Example #2 - a sample C/R number search - option 3

```
            Enter Option  > 3

WHAT IS THE DESIRED CR DOCUMENT NUMBER
AAANNNNA
DAL3168C
```

```
STAND BY.  SEARCH NOW IN PROGRESS.

 1) MARK UP NUMBER         : 1309
 2) CR NUMBER(S)           : DAL3168C
 3) COMMENTS               : OK
 4) DATE OUT               : 11-21-83
 5) DATE IN                : 11-29-83
 6) LTV TWX                : 3T-094
 7) SPO TWX                : S-6717/CWW
 8) PROCEDURE / ENGINEER   : 3326      FPK/KFT
                             3410      FPK/KFT
                             3512      FPK/KFT
                             3612      FPK/KFT
                             3710      FPK/KFT

Hard Copy to Printer  (Y or N)   >N
```

Example #3 - a sample SOP Engineer search - option 10

```
                Enter Option  > 10

ENTER SOP NUMBER OR BLANK FOR ALL > 381

STAND BY.  SEARCH NOW IN PROGRESS.

**************************************************************************
SOP NUMBER:  381      RESPONSIBLE ENGINEERS: DMF/DMR/FPK/KFT
**************************************************************************
```

14.7 SPOOLING OUTPUT

As the terminal output is being generated, an OUTPUT file is also being created. When the search is finished the user has the option to send this output file to any printer. The option is displayed as follows: 'HARD COPY TO PRINTER (Y or N) >'. If 'Y' is entered, the SPOOLING menu is activated as described in Section 3.1. A Carriage Return can be used in place of an 'N' response for no printout.

14.8 ARCHIVE OPTION

When the archive option is selected from the main menu and the proper security clearance has been passed, the Mark Up archive routine operates as

follows:

```
    Enter Option > 4

 WELCOME TO THE MARK UP FILE ARCHIVE ROUTINE

 DO YOU WISH TO ARCHIVE A GROUP OF MARK UP'S BY DATE      ** ARCHIVE PATH # 1 **
 ENTER (YES or NO) > NO

 How Many Mark Ups do you wish to Archive
 1

Which Mark Up Record is to be Archived
1301

Stand By.  Search Now in Progress.     ** NOTE ** if no records are found, the
                                     user is returned to the program main menu.

  1) MARK UP NUMBER        : 1301
  2) CR NUMBER(S)          : PA 2544
  3) COMMENTS              : OK ENGINEERING REVIEW ADDED 8-26-83
  4) DATE OUT              :  9- 7-83
  5) DATE IN               :  9-12-83
  6) LTV TWX               : 3T-072
  7) SPO TWX               : S-6684/CWW
  8) PROCEDURE / ENGINEER  :  572      DMF/DMR

Correct document to be Archived (YES or NO) > Y

 (0)  NO OUTPUT !!!
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
 (3)  PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED TO PRINTER !!!!

DO YOU WISH TO ARCHIVE A GROUP OF MARK UP'S BY DATE    ** ARCHIVE PATH # 2 **
ENTER (YES or NO) > YES

What is the First Valid Date (MMDDYY) > 030184

What is the Last  Valid Date (MMDDYY) > ** return **     The default date is
                                                         123199 - Dec. 31, 1999

Stand By.  Search Now in Progress.

                                ** NOTE ** if no records are found, the user is
 (0)  NO OUTPUT !!!                        returned to the program main menu.
 (1)  SCOUT  PROJECT OFFICE / LARC, NASA
 (2)  VOUGHT CORPORATION    / DALLAS, TX
```

(3) PROJECTS DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED TO PRINTER !!!!

14.9 REBUILD OPTION

The Rebuild option - option 6 - performs general file maintenance for the Markup data file and sorts the file by markup number. Finding blank records during any Search of the data base indicates that this option should be run. No terminal actions are necessary, as can be seen in the following:

Enter Option > 6

PLEASE STAND BY ** HOUSEKEEPING NOW IN PROGRESS

DATA FILE HOUSEKEEPING CONTINUING

MARK UP FILE CONTAINS 181 DOCUMENTS

14.10 QUICKIE OPTION

When the quickie option is selected from the main menu, the Mark Up quickie menu appears as follows:

1. Quickie LTV TWX Update
2. Quickie SPO TWX Update

Enter Option Number >

Option 1 allows the modification of the LTV TWX number for up to 25 Mark Up records. Option 2 allows the modification of the SPO TWX number for up to 25 Mark Up records. Both options are illustrated below.

Option 1: LTV TWX Update

THIS ROUTINE ALLOWS FOR THE AUTOMATIC UPDATE OF THE LTV TWX #

FOR UP TO 25 MARK UP'S

Enter the New LTV TWX Number > 3T-09

Enter Mark Up # > 1301

Enter Mark Up # > 1329A

Enter Mark Up # > 1327

Enter Mark Up # > ** return **

*** PLEASE STAND BY ... SEARCH NOW IN PROGRESS FOR THE 3 MARK UP'S ***

MARK UP: 1301 FOUND. OLD LTV TWX WAS 2T-08 CHANGED TO 3T-09

********** MARK UP: 1329A NOT FOUND FOR UPDATE !!!!

MARK UP: 1327 FOUND. OLD LTV TWX WAS 1V-11 CHANGED TO 3T-09

5 SECOND DELAY ... BEFORE SCREEN CLEARS

The prompt 'Enter Mark Up # >' will appear 25 times or until the user enters a carriage return. A report of those records found and not found is displayed on the screen for five seconds after the update is completed, after which a printout of those records updated will be automatically spooled to the system printer. The user will then be returned to the program main menu.

Option 2: SPO TWX Update

THIS ROUTINE ALLOWS FOR THE AUTOMATIC UPDATE OF THE SPO TWX #

FOR UP TO 25 MARK UP'S

Enter the New SPO TWX Number > S-4279/KFT

Enter Mark Up # > 1301

Enter Mark Up # > 1329A

Enter Mark Up # > 1327

Enter Mark Up # > ** return **

*** PLEASE STAND BY ... SEARCH NOW IN PROGRESS FOR THE 3 MARK UP'S ***

MARK UP: 1301 FOUND. OLD SPO TWX WAS S-2167/CWW CHANGED TO S-4279/KFT

********** MARK UP: 1329A NOT FOUND FOR UPDATE !!!!

MARK UP: 1327 FOUND. OLD LTV TWX WAS S-3234/LRT CHANGED TO S-4279/KFT

5 SECOND DELAY ... BEFORE SCREEN CLEARS

The prompt 'Enter Mark Up # >' will appear 25 times or until the user enters a carriage return. A report of those records found and not found is displayed on the screen for five seconds after the update is completed, after which a printout of those records updated will be automatically spooled to the system printer. The user will then be returned to the program main menu.

15.0 DAILY WORK ITEMS FILE

This file is an accumulation of the Daily Work Items (DWI's) received from launch sites. The primary purpose of this file is to maintain a log of DWI's and to provide a method of rapid retrieval using various search criteria.

Information for each record is stored in the following fields:

DWI NUMBER	LOCATION	ENGINEER
ORIGIN DATE	INPUT DATE	TITLE
REFERENCE DRAWING	REFERENCE E.O.	REFERENCE C.C.R.
OTHER REFERENCES		EFFECTED SYSTEMS

The Daily Work Items file (DWI) program main menu appears as follows:

```
DAILY WORK ITEM FILE PROGRAM MAIN MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Search  Menu
5.  Sort & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The Daily Work Items File main menu has five (5) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged options and require a security clearance, and options 4 and 5, SEARCH and SORT & HOUSEKEEPING ROUTINE, which have open access. All of these options are discussed in the following sections.

15.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Daily Work Items file input menu will appear as follows:

```
   DAILY WORK ITEM FILE INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Input Daily Work Item
 2.  Sorting & Housekeeping Routine

   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

15.1.1 INPUT DAILY WORK ITEM

Option 1 allows the user to input records into the Daily Work Items file data base, the input screen for which appears as follows:

```
                DAILY WORK ITEMS FILE INPUT / UPDATE SCREEN
                ===========================================

DWI NUMBER >....<       ENGINEER >............<       ORIGIN DATE >.........<
                                                                 MM/DD/YY
LOCATION   >.<  WHERE:  (W) WFC                       INPUT  DATE >.........<
                        (V) VAFB
         .........      (S) SAN MARCO

TITLE >.....................................................................<

REFERENCES:  DRAWING >.............<              E. O. >.............<

             C.C.R.  >.............<              OTHER >.............<

SYSTEMS >..<  ......    WHERE: (EL) ELEC   (ME) MECH   (FL) FLUID   (RF) RF
        >..<  ......           (GU) GUID   (H2) H2O2   (HY) HYDRL   (SO) SOP
                               (EG) EGSE   (MG) MGSE   (FG) FGSE
```

15.1.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 performs general file maintenance for the Daily Work Items file. The Housekeeping menu appears as follows:

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

        THIS PROGRAM PERFORMS FILE HOUSEKEEPING:

      SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

               THIS IS A SLOW ROUTINE.

(0)  EXIT
(1)  SORT FILE ONLY
(2)  HOUSEKEEPING (PURGE) FILE ONLY
(3)  PERFORM BOTH SORT & PURGE ON FILE ONLY

     ENTER OPTION >
```

Option 0 returns the user to the program main menu. Option 1 sorts the Daily Work Items file by DWI number. Option 2 automatically purges those records that have been marked for deletion by the delete routine. Option 3 performs both the sort and the purging of deleted records for the Daily Work Items file. No terminal actions are necessary from the user for any of these options. Several messages will be displayed at the terminal screen to inform the user when these tasks have been completed. When each option is completed the user is returned to the program main menu. Below is a listing of the appropriate terminal messages corresponding with the menu options.

Option 1 - Sort Daily Work Items file only

```
PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS

      SORT IS FINALLY DONE !!!!!!!
```

Option 2 - Housekeeping (Purge) Daily Work Items file only

```
CLEAN UP OF DELETED RECORDS NOW IN PROGRESS .........

 8 RECORDS PURGED ... CLEAN UP NOW IN PROGRESS
                  ALL DONE !!!!!!!!!
```

Note that the number of records purged is displayed.

Option 3 - Perform both Sort and Purge on Alpha Numeric file only

```
PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS

     SORT IS FINALLY DONE !!!!!!!!!

CLEAN UP OF DELETED RECORDS NOW IN PROGRESS .........

  8 RECORDS PURGED ... CLEAN UP NOW IN PROGRESS

              ALL DONE !!!!!!!!
```

15.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Daily Work Items file update menu will appear as follows:

```
  DAILY WORK ITEM FILE UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Update / Revise Daily Work Item
 2.  Sorting & Housekeeping Routine

    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

15.2.1 UPDATE DAILY WORK ITEM

Option 1 allows the user to update a record in the Daily Work Items file data base. In order to retrieve the desired record, the user must enter the approriate DWI number, notated as 'DWI-NUMBER?>'. If no records

are found containing the desired DWI number, 'ITEM NOT FOUND' will be displayed and the user must enter a new DWI number or enter a carriage return, in which case the user will be returned to the program main menu. If the desired record is found it will be displayed in an update screen identical to the input screen illustrated in section 15.1.1 of this document. If there are multiple records having the same DWI number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'DWI-NUMBER?>'. Refer to the example below which illustrates update entry and error paths.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
DWI-NUMBER?> 451
ITEM NOT FOUND
DWI-NUMBER?>  ** return **
```

15.2.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 of the Update menu performs the same Sorting and Housekeeping routine described in detail in section 15.1.2 of this document.

15.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Daily Work Items file delete menu will appear as follows:

DAILY WORK ITEM FILE DELETE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
==========

0. Return to Master Menu
1. Delete Daily Work Item
2. Sorting & Housekeeping Routine

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >

15.3.1 DELETE DAILY WORK ITEM

Option 1 allows the user to delete a record from the Daily Work Items file data base. In order to retrieve the desired record, the user must enter the appropriate DWI number. If no records are found having the desired DWI number, a message stating so will be displayed and the user must either enter a new DWI number or enter a zero (0) or a carriage return to return to the program main menu. If more than one record is found containing the search criteria, certain fields of all those records retrieved will be displayed along with their corresponding record numbers, notated as RECNO. The user must enter the record number of the record that is to be deleted. If none of the records displayed are to be deleted, entering a carriage return will return the user to the program main menu. After entering the proper record number, or if only one record was retrieved, all of the fields of the specified record will be displayed along with 'DELETE THIS RECORD (Y or N) >.' If the user responds with 'Y', the record will be marked for deletion, and a message reminding the user that the housekeeping routine must be run in order to internally purge the record will be displayed. The user will then be given the opportunity to delete another record. If the user responds with 'N', no change will be made to the record, and the user will be given the opportunity to delete another record. Note that the user must type a zero (0) or enter a carriage return to return to the program main menu. Refer to

the example below.

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
   THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
         TYPE    ZERO (0)   TO RETURN TO MAIN MENU
   ENTER DWI  NUMBER > 452
   NO SUCH DWI NUMBER IN THE CURRENT DATA FILE **** TRY AGAIN
   ENTER DWI  NUMBER > 1963
   THE FOLLOWING HAS BEEN FOUND:
DWI  NUMBER >1963      ORIGIN DATE > 2/21/1984
SYSTEMS >EL  EG      ENGINEER >BOSSERT

TITLE >BLH 80130 STRAIN GAGE EQUIP CALIB. FOR QUARTER BRIDGE CONFIGURATION
   DELETE THIS RECORD (Y or N) > Y
   PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD
   THIS PROGRAM WILL DELETE A SELECTED RECORD FROM THE DATA BASE
         TYPE    ZERO (0)   TO RETURN TO MAIN MENU
   ENTER DWI  NUMBER > ** return **
```

15.3.2 SORTING and HOUSKEEPING ROUTINE

Option 2 of the Delete menu performs the same Sorting & Housekeeping routine discussed in detail in section 15.1.2 of this document.

15.4 REPORT OPTION

Due to the design of the Daily Work Items file data base program and data files, no report generator exists in this area.

15.5 SEARCH OPTION

The Daily Work Items file search menu appears as follows:

```
   AVAILABLE OPTIONS ARE AS FOLLOWS
   ================================
0.  Return to the Master Menu
1.  Search / Retrieve on Title
2.  Search / Retrieve on System
3.  Search / Retrieve on Engineer
4.  Search / Retrieve on Origin Date
5.  Search / Retrieve on Input  Date
6.  Search / Retrieve on DWI  Number
7.  Search / Retrieve on Location
8.  Search / Retrieve on References
```

All options generate specially formatted reports comprised of those records containing the specified search criteria. Option 1 is a partial string search for the title field. A search for the word 'RING' retrieves those records containing both 'RING' and 'WIRING' in the title field. See example #1 in the following section.

Option 2 provides a report of all records containing a specific system. The following list of systems available for searching is displayed within the search routine:

```
  THE AVAILABLE SYSTEMS FOR SEARCHING ARE:
  ========================================
        ( EL )    ELEC
        ( ME )    MECH
        ( RF )    RF
        ( FL )    FLUID
        ( GU )    GUID
        ( SO )    SOP
        ( MG )    MGSE
        ( EG )    EGSE
        ( FG )    FGSE
        ( H2 )    H2O2
        ( HY )    HYDRL
```

Option 3 retrieves all records containing a specified engineer. It operates similarly to the Title search in option 1 and is also a partial search.

The Origin Date and Input Date searches (options 4 and 5) are greater than - less than searches. Rather than retrieving records only for a single date, a block of dates is used for the search criteria. To search on a single date, the user enters a carriage return at the prompt for the ending date and the date entered for starting date is taken as default. See example #2 in the following section.

Option 6, the DWI number search, retrieves the record(s) that contain a particular DWI number. Option 7, the Location search, retrieves those records containing a specific location. The following list of locations available for searching is displayed within the search routine:

```
THE AVAILABLE LOCATIONS FOR SEARCHING ARE:
==========================================
       ( W )    WFC
       ( V )    VAFB
       ( S )    SAN MARCO
```

The References search, option 8, provides a report of all records containing a particular reference value. The following list of those reference values available for searching is displayed within the program:

```
REFERENCES OPTIONS AVAILABLE FOR SEARCHING ARE:
(0)  QUIT / EXIT
(1)  DRAWING
(2)  E.O.
(3)  C.C.R.
(4)  OTHER
```

Refer to Appendix J-1 for an example of the Daily Work Items Search report output format which is used by all search options.

15.6 SAMPLE SEARCHES

This section provides illustrations of several Daily Work Items file search routines.

Example #1: a sample title search - option 1

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL

ENTER TITLE TO BE SEARCHED ON > RING

PLEASE STAND BY ..... SEARCH NOW IN PROGRESS

TITLE SEARCH FOR RING              FOUND    3 RECORDS

TERMINAL OUTPUT NOW BEING GENERATED.....PLEASE STAND BY...
```

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DAILY WORK ITEMS FILE REPORT

TITLE DWI #	ORIG. DATE / INPUT DATE	ENGINEER / LOCATION	SYS-TEMS	DRAWING REFER. C.C.R.	E.O. REFERENCE REFER.
FABRICATION OF SHOP AID FORUSE DURING HEADCAP PRESSURE TEST					
1952	12/13/1983	SCHMIDT	MECH		
	12/22/1983	VAFB	MGSE		
INSULATION RESISTANCE CHECKS,FOLLOWUP TO LAUNCHER WIRING INVESTIGATION					
2114	1/17/1984	PARKS	ELEC	331-60432	
	1/23/1984	WFC	EGSE		DWI 2096,2099
TERMINAL BUILDING/BLOCKHOUSE WIRING CORRECTIONS AND IMPROVEMENTS					
2119	1/26/1984	PARKS	ELEC	331-00003	
	1/27/1984	WFC	EGSE		331-00021,23,25

Example #2: a sample origin date search - option 4

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

 THIS IS THE ORIGIN DATE SEARCH AND RETRIEVE ROUTINE
 ===================================================

          BLOCK OF DATES FOR SEARCH

ENTER STARTING DATE FOR SEARCH MM/DD/YY (RETURN TO QUIT) > 08/01/83

ENTER ENDING DATE FOR SEARCH MM/DD/YY (RETURN IF SAME DAY) > 04/01/84

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                    DAILY  WORK  ITEMS  FILE  REPORT
                    ================================

TITLE
DWI #  ORIG. DATE  ENGINEER     SYS-    DRAWING REFER.  E.O. REFERENCE
       INPUT DATE  LOCATION     TEMS    C.C.R.  REFER.


TRANSIT INTERFACE CHECK
1930    2/14/1984  TRIAS         ELEC    3341-39740
        2/17/1984  VAFB          EGSE

FABRICATE PORTABLE TELEMETRY SIGNAL SOURCE
1943    1/24/1984  BOSSERT       ELEC
        1/24/1984  VAFB          RF
```

15.7 SPOOLING OUTPUT

While the Search or Report is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in Section 3.1.

15.8 ARCHIVE OPTION

Due to the design of the Daily Work Items file data base program and data files, no archiving capability is provided within this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

15.9 SORT & HOUSEKEEPING ROUTINE

This option performs general file maintenance and sorts the Daily Work Items data file by DWI number. The menu for this option appears as follows:

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

  THIS PROGRAM PERFORMS FILE HOUSEKEEPING:

  SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS

  THIS IS A SLOW ROUTINE.

  (0)  EXIT
  (1)  SORT FILE ONLY
  (2)  HOUSEKEEPING (PURGE) FILE ONLY
  (3)  PERFORM BOTH SORT & PURGE ON FILE ONLY

       ENTER OPTION > 0
```

This option is may also be accessed through the Input, Update and Delete menus, and is discussed in detail in section 15.1.2 of this document.

16.0 SCHEDULER FILE

This file is a personnel activity tracking data base designed for the Scout Project Office, NASA / LaRC. The data base consists of two (2) files: the Personnel Information file and the Activity Schedule file.

Information for each record in the Activity Schedule file is stored in the following fields:

USER ID CODE	ACTIVITY CATEGORY	DESCRIPTION
START DATE	START TIME	CONFIRMATION
END DATE	END TIME	SEQUENCE NUMBER

Information for each record in the Personnel Information file is stored in the following fields:

USER ID CODE	NAME	ADDRESS
ADDITIONAL ADDRESS	CITY	STATE
ZIP CODE	EXTRA ZIP CODE	AREA CODE
PHONE NUMBER	SECONDARY PHONE NUMBER	EXTENSION
	JOB TITLE	

The Scheduler file program main menu appears as follows:

```
SCHEDULER PROGRAM MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 1.  Input  Menu
 2.  Update Menu
 3.  Delete Menu
 4.  Search Menu

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The Scheduler file program main menu has four (4) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged options and require a security clearance, and option 4, SEARCH, which has open access. All of these options are discussed in the following sections.

16.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Scheduler file input menu will appear as follows:

```
 SCHEDULER INPUT MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Add Activity for Individual  (No Verification of Conflict)
2.  Add Activity for Individual  (Check for Schedule Conflicts)
3.  Add New Name to  Personnel File
4.  Add Category to  Category Lookup File

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

16.1.1 INPUT ACTIVITY FOR INDIVIDUAL - NO VERIFICATION

Option 1 allows the user to input records into the Activity Schedule file with no verification of conflict of activity dates. A starting record number is displayed on the screen and then the input screen is displayed. After input has been completed, several messages will appear on the terminal screen to inform the user of internal accounting operations and the computation of a new starting record number. See the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
STARTING ADDRESS ADDITION PROGRAM
STARTING NUMBER IS    171
```

ACTIVITY SCHEDULING FILE

```
ID CODE >       ...                 ................................

CATEGORY >      ..                  ............................

DESCRIPT >      .............................................................

START DATE >    ..........          START TIME (HHMM) > ....

END   DATE >    ..........          END   TIME (HHMM) > ....

                                                     CONFIRMED > .

     PLEASE WAIT ....

     STARTING CLEANUP ROUTINE - - -

     STORING NEW STARTING NUMBER >>    172

     SORTING SCHEDULE FILE .....

     ALL FINISHED ....... GOING BACK TO MENU
```

16.1.2 INPUT ACTIVITY FOR INDIVIDUAL WITH VERIFICATION

Option 2 allows the user to input records into the Activity Schedule file with verification of conflict of activity dates. If a conflict is found (an activity previously scheduled for the desired date) it will be displayed in report format at the terminal screen, with the option to add a record for that date. If the user responds with 'Y', the input screen will be displayed and closing messages identical to those illustrated for option 1 will be displayed. If the user responds with 'N' the user must again enter the correct password and will then be returned to the input menu. See the example below.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS OPTION CHECKS & VERIFIES PERSONNEL ACTIVITY FOR CONFLICTS

ENTER IDENT CODE > CGH

ENTER START DATE (MM/DD/YY) > 01/01/83

ENTER END   DATE (MM/DD/YY) > 02/01/84

SEARCHING FILE FOR ID CODE CGH

CONFLICTS FOUND FOR DATES 1/ 1/1983  TO   2/ 1/1984

DISPLAY OF CONFLICTS COMING

 5/25/84                                                  PAGE 1

     REPORT ON ACTIVITIES FOR Harris, Cynthia G.
    ==========================================================
    ==========================================================

CATEGORY / DESCRIPTION           START DATE  TIME   END DATE  TIME   SEQ-NO
-----------------------------   ----------  ----  ----------  ----   ------


Miscellaneous                     1/ 6/1984  730   1/16/1984  730      162
Miscellaneous leave                                                CONFIRM=Y

 ENTER RETURN TO CONTINUE

 ADD TO FILE (Y OR N) Y

    STARTING ADDRESS ADDITION PROGRAM

    STARTING NUMBER IS    172

                        ACTIVITY SCHEDULING FILE
                        ------------------------


ID CODE >      ...             ..................................

CATEGORY >     ..              ..............................

DESCRIPT >     .................................................................

START DATE >   ..........      START TIME (HHMM) > ....

END   DATE >   ..........      END   TIME (HHMM) > ....

                                                    CONFIRMED > .
```

```
PLEASE WAIT ....

STARTING CLEANUP ROUTINE - - -

STORING NEW STARTING NUMBER >>    173

SORTING SCHEDULE FILE .....

ALL FINISHED ..... GOING BACK TO MENU
```

16.1.3 INPUT NEW NAME TO PERSONNEL FILE

Option 3 allows the user to input records into the Personnel file. When input is complete the user must again enter the correct password and will then be returned to the input menu. The Personnel file input screen appears as follows:

```
                    USER MAINTENANCE - PERSONNEL FILE
                    ---------------------------------

ID CODE >...            NAME (Last, First) >.................................

HOME ADDRESS:  STREET >.................................

               CITY >.......................   STATE >..  ZIPCODE >.........

               PHONE >(...) ........

WORK ADDRESS:  .................................

               PHONE >........                  EXTENSION >......

JOB TITLE >.............................
```

16.1.4 INPUT CATEGORY TO CATEGORY LOOKUP FILE

Option 4 allows the user to input records into the category lookup file. A listing of the current categories available will be displayed within the input routine, as well as a new listing including records added. A carriage return at the prompt 'CAT>' will complete the input. After the

new listing is displayed, the user must again enter the correct password and will then be returned to the input menu. See the example below.

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 4

     THIS PROGRAM INPUTS TO THE CATEGORY LOOKUP TABLE

 THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
 ================================================================

$RECNO   CAT CAT-TITLE
     1    1  Travel
     2    2  Training
     3    3  Meeting
     4    4  Review
     5    5  Leave
     6    6  Compensatory Time
     7    7  Appointment
     8    8
     9    9
    10   10  Miscellaneous
    11   11
    12   12
    13   13  Launch OPS
    14   14  System Tests
    15   15  Vehicle Processing
    16   16  Vehicle Launch (R - Day)
    17   17  Post Flight Evaluation
    18   18  Mission Integration Activities

   19
CAT> 19

CAT-TITLE> Emergency

   20
CAT>  ** return **

      1 RECORD(S) ADDED

 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ============================================================

$RECNO   CAT CAT-TITLE
     1    1  Travel
     2    2  Training
     3    3  Meeting
     4    4  Review
     5    5  Leave
     6    6  Compensatory Time
     7    7  Appointment
```

8	8	
9	9	
10	10	Miscellaneous
11	11	
12	12	
13	13	Launch OPS
14	14	System Tests
15	15	Vehicle Processing
16	16	Vehicle Launch (R - Day)
17	17	Post Flight Evaluation
18	18	Mission Integration Activities
19	19	Emergency

16.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Scheduler file update menu will appear as follows:

```
     SCHEDULER UPDATE MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Update  Schedule File for Activity  by SEQ-NO
2.  User Maintenance - Personnel Information File
3.  Update / Revise Category Lookup File

    SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

16.2.1 UPDATE SCHEDULE FILE FOR ACTIVITY BY SEQUENCE NUMBER

Option 1 allows the user to update a record in the Activity Schedule file data base. In order to retrieve the desired record, the user must enter the appropriate sequence number, which is notated as SEQ-NO?>, and is referred to as the starting number in the input routine. If the desired record is found it will be displayed in an update screen identical to the Activity Schedule file input screen illustrated in section 16.1 of this document. When update is completed, SEQ-NO?> will again be displayed. A carriage return entered here will return the user to the program main menu. If there

are multiple records having the same sequence number, only the first record will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'SEQ-NO?>'. If the desired record is not found, 'ITEM NOT FOUND' will be displayed and the user must enter another sequence number or enter a carriage return to return to the program main menu. It should be noted that the sequence number is displayed in the reports generated by the search routine which is discussed in detail in sections 16.5 and 16.6 of this document. Refer to the example below which illustrates update entry and error paths.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS PROGRAM WILL ALLOW REVISIONS TO THE SCHEDULE FILE BY
ENTERING THE SEQ-NO OF THE RECORD YOU WANT TO BE CHANGED.
SEQ-NO?> 170
ITEM NOT FOUND
SEQ-NO?>  ** return **
```

16.2.2 UPDATE PERSONNEL INFORMATION FILE

Option 2 allows the user to update records in the Personnel Information file. In order to retrieve the desired record the user must enter the appropriate User ID code, notated as CODE?>. If the desired record is found it will be displayed in an update screen identical to the Personnel Information file input screen illustrated in section 16.1 of this document. If there are multiple records having the same user code, only the first record will be displayed on the input / update screen. To retrieve the subsequent records, type an '=' at the prompt 'CODE?>'. When the update is complete, the prompt 'CODE?>' will appear again, and the user may perform another up-

date or enter a carriage return to return to the program main menu. If the desired record is not found, 'ITEM NOT FOUND' will be displayed and the user must enter another user code or enter a carriage return, in which case the user will be returned to the program main menu. Refer to the example below illustrating update entry and error paths.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2
THIS PROGRAM WILL ALLOW REVISIONS TO THE PERSONNEL FILE
BY ENTERING THE ID CODE YOU WANT TO CHANGE.
CODE?> DH1
ITEM NOT FOUND
CODE?>  ** return **
```

16.2.3 UPDATE CATEGORY LOOKUP FILE

Option 3 allows the user to update records in the Category Lookup file. A listing of the current categories available is displayed within the update routine. A carriage return entered at the prompt 'CAT>' will complete the update. After the new list of categories is displayed at the terminal screen, the user is returned to the program main menu. Refer to the example below.

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3
 THIS PROGRAM UPDATES RECORDS IN THE CATEGORY LOOKUP TABLE
THE CURRENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
================================================================

$RECNO   CAT CAT-TITLE
     1     1  Travel
     2     2  Training
     3     3  Meeting
     4     4  Review
     5     5  Leave
     6     6  Compensatory Time
```

```
     7    7  Appointment
     8    8
     9    9
    10   10  Miscellaneous
    11   11
    12   12
    13   13  Launch OPS
    14   14  System Tests
    15   15  Vehicle Processing
    16   16  Vehicle Launch (R - Day)
    17   17  Post Flight Evaluation
    18   18  Mission Integration Activities

 RECNO?>12

               12
 CAT             =12

 CAT-TITLE       =

CAT>  ** return **          Note that a carriage return will enter the
                            previous value as default.

CAT-TITLE> Death

 RECNO?> ** return **


  THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
  ===========================================================

 $RECNO   CAT CAT-TITLE
     1    1  Travel
     2    2  Training
     3    3  Meeting
     4    4  Review
     5    5  Leave
     6    6  Compensatory Time
     7    7  Appointment
     8    8
     9    9
    10   10  Miscellaneous
    11   11
    12   12  Death
    13   13  Launch OPS
    14   14  System Tests
    15   15  Vehicle Processing
    16   16  Vehicle Launch (R - Day)
    17   17  Post Flight Evaluation
    18   18  Mission Integration Activities
```

16.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Scheduler file delete menu will appear as follows:

```
  SCHEDULER DELETION MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Delete Schedule File Activity by SEQ-NO
2.  Delete Category File Lookup Item
3.  Delete Entry in Personnel File

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

16.3.1 DELETE RECORD FROM SCHEDULE ACTIVITY FILE BY SEQUENCE NUMBER

Option 1 allows the user to delete a record from the Activity Schedule file data base. In order to retrieve the desired record, the user must enter the appropriate sequence number, notated as SEQ-NO>. If the desired record is not found, a message stating so will be displayed and the user must either enter a new sequence number or a zero (0) to return to the program main menu. If the desired record is found it will be displayed on the terminal screen with the prompt 'DELETE THIS RECORD ? (Y OR N) >'. If the user enters an 'N', the record will not be changed and the user will be given the opportunity to delete another record. If the user responds with 'Y', the record will be internally purged from the data base and the user may then delete another record. Note that the user must type a zero (0) to return to the program main menu. See the example below.

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
  THIS PROGRAM DELETES A RECORD IN THE SCHEDULER FILE
```

```
   ENTER SEQ-NO TO BE DELETED (ZERO - 0 - TO QUIT) > 161

   SEQ-NO   161 NOT FOUND !!!!!!

   ENTER SEQ-NO TO BE DELETED (ZERO - 0 - TO QUIT) > 122

          122
CODE              =DKH
CAT               = 2
DESCRIPTION       =CLASSES FOR ENTIRE SPO (CGH)
START-DATE        = 1/16/1984
START-TIME        = 800
END-DATE          = 1/23/1984
END-TIME          =1600
CONFIRM           =Y
SEQ-NO            =   122
FILLER            =

   DELETE THIS RECORD ? (Y OR N) > Y


   **** RECORD BEING DELETED ****

   ENTER SEQ-NO TO BE DELETED (ZERO - 0 - TO QUIT) > 0
```

16.3.2 DELETE RECORD FROM CATEGORY LOOKUP FILE

Option 2 allows the user to delete records from the Category Lookup table. A listing of the current categories available will be displayed within the delete routine, as well as an updated list after deletion is completed. Entering a carriage return at the prompt for which category to be deleted will return the user to the delete menu (the user must first enter the appropriate password). After a category has been selected and deleted and the new listing of categories has been displayed the user must again enter the correct password and will then be returned to the delete menu. See the example below.

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

   THIS PROGRAM DELETES A RECORD IN THE CATEGORY LOOKUP TABLE

 THE CURENT CATEGORY LOOKUP TABLE CONTAINS THE FOLLOWING RECORDS
 ==============================================================
$RECNO   CAT CAT-TITLE
     1    1  Travel
     2    2  Training
     3    3  Meeting
     4    4  Review
     5    5  Leave
     6    6  Compensatory Time
     7    7  Appointment
     8    8
     9    9
    10   10  Miscellaneous
    11   11
    12   12
    13   13  Launch OPS
    14   14  System Tests
    15   15  Vehicle Processing
    16   16  Vehicle Launch (R - Day)
    17   17  Post Flight Evaluation
    18   18  Mission Integration Activities

 ENTER CATEGORY TO BE DELETED > 8

    8   CATEGORY  8    CATEGORY TITLE                    NOW BEING DELETED


 THE CATEGORY LOOKUP TABLE NOW CONTAINS THE FOLLOWING RECORDS
 ===========================================================

$RECNO   CAT CAT-TITLE
     1    1  Travel
     2    2  Training
     3    3  Meeting
     4    4  Review
     5    5  Leave
     6    6  Compensatory Time
     7    7  Appointment
     8    9
     9   10  Miscellaneous
    10   11
    11   12
    12   13  Launch OPS
    13   14  System Tests
    14   15  Vehicle Processing
    15   16  Vehicle Launch (R - Day)
    16   17  Post Flight Evaluation
    17   18  Mission Integration Activities
```

16.3.3 DELETE RECORD FROM PERSONNEL FILE

Option 3 allows the user to delete records from the Personnel Information file. In order to retrieve the desired record, the user must enter the appropriate User ID Code. If the desired record is not found, a message stating so will be displayed and the user must either enter another code or enter a carriage return to return to the program main menu. If the desired record is found it will displayed with the prompt 'DELETE THIS RECORD ? (Y OR N) >'. If the user responds with 'Y', the record will be internally purged and the user will be given the opportunity to delete another record. If the user responds with 'N', the record will not be changed and the user will be given the opportunity to delete another record. Note that the user must enter a carriage return at the prompt for name code to return to the program main menu. See the example below.

```
  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

  THIS PROGRAM DELETES A RECORD IN THE PERSONNEL / NAME FILE

  ENTER NAME CODE TO BE DELETED (RETURN TO EXIT)  > DH1

  NAME CODE DH1 NOT FOUND !!!!!!

  ENTER NAME CODE TO BE DELETED (RETURN TO EXIT)  > TLS

     TLS        15

CODE            =TLS
NAME            =Smart, Thomas L.
ADDRESS         =4301 Cedar Lane
ADD-ADDRESS     =
CITY            =Hampton
STATE           =VA
ZIP             =    0
EXTRA-ZIP       =    0
PHONE-AREA      =  0
PHONE           =
PHONE-2         =
EXTENSION       =
TITLE-JOB       =System Administrator / Programmer
FILLER          =
```

```
DELETE THIS RECORD ? (Y OR N) > Y

**** RECORD BEING DELETED ****

ENTER NAME CODE TO BE DELETED (RETURN TO EXIT)  >  ** return **
```

16.4 REPORT OPTION

Due to the design of the Scheduler file program and data files, a report generator does not exist for this area.

16.5 SEARCH OPTION

The Scheduler file search menu appears as follows:

```
SCHEDULER SEARCH MENU FOR THE SCOUT PROJECT OFFICE

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Daily       Activities by Time
2.  Category    Activities by ID Code and Time
3.  Individual  Activities by ID Code and Time
4.  Daily       Activities (Brief Listing - 1 Day Only)
5.  List ID Codes and Names
6.  List Categories and Descriptions
```

The first four options display specially formatted reports comprised of all records containing the specified search criteria. Information is displayed to the terminal screen along with the option for printer output.

Option 1 allows the user to search on an interval of dates by entering a starting date and an ending date. For all of the date interval searches (options 1, 2, and 3), a single date may be searched by entering a carriage return at the prompt for the ending date and the date entered for starting date is taken as default. See example #1 below.

Option 2 performs a search on a specific activity category by ID Code and date interval. Option 3 provides a report on all activity categories

that contain a specific ID Code and date interval, with a report format similar to that of option 2. Example #2 below illustrates option 2.

Option 4 generates a brief report of activities for all personnel for a particular date. See example #3 below.

The last two options - 5 and 6 - generate lists of information at the terminal screen only. Option 5 lists the User ID Codes with the corresponding names, and option 6 lists the Categories available for use with their descriptions. See examples #4 and #5 below.

All spooled printer outputs use the same format as the corresponding examples on the following pages.

16.6 SAMPLE SEARCHES

Example #1 - Search option 1

```
   THIS OPTION GIVES DAILY ACTIVITY FOR ALL PERSONNEL FOR A
                       SPECIFIED TIME FRAME
     ENTER START DATE (MM/DD/YY) > 02/01/83
     ENTER END   DATE (RETURN IF SAME AS START DATE) (MM/DD/YY) > 05/01/84
  5/ 4/84                                                        PAGE    1
                  DAILY ACTIVITY REPORT FOR ALL PERSONNEL
                  ======================================
                  ======================================
CATEGORY / DESCRIPTION         START DATE  TIME    END DATE  TIME  ID   SEQ-NO
------------------------------ ----------  ----  ----------  ----  ---  ------

Leave                           2/15/1983   700   2/15/1983  1600  DKH     105
OPERATION ON KNEE                                                  CONFIRMED= Y

Travel                          2/27/1983     0   3/ 5/1983     0  DKH     101
INFO NATIONAL CONFERENCE (FLORIDA)                                 CONFIRMED= Y

Travel                          5/23/1983   700   5/27/1983  1600  DKH     106
VOUGHT DALLAS TRIP FOR SPADS TRAINING                              CONFIRMED= Y
```

Example #2 - Search option 2

```
     THIS REPORT DISPLAYS PERSONNEL ACTIVITY FOR A SPECIFIED TIME
                          FRAME BY CATEGORY

                    DISPLAY OF CATEGORY FILE COMING
                    ===============================

          CATEGORY AND DESCRIPTIONS
          =========================

          1 - Travel
          2 - Training
          3 - Meeting
          4 - Review
          5 - Leave
          6 - Compensatory Time
          7 - Appointment
          8 -
          9 -
         10 - Miscellaneous
         11 -
         12 -
         13 - Launch OPS
         14 - System Tests
         15 - Vehicle Processing
         16 - Vehicle Launch (R - Day)
         17 - Post Flight Evaluation
         18 - Mission Integration Activities

         ENTER RETURN TO CONTINUE


         ENTER CATEGORY NUMBER > 10

         ENTER START DATE (MM/DD/YY) > 01/01/83

         ENTER END   DATE (RETURN IF SAME AS START DATE) (MM/DD/YY) > 05/01/84

         ENTER IDENT CODE (BLANK FOR ALL PERSONNEL) > CGH

 5/ 4/ 84                                                        PAGE     1

   ACTIVITY REPORT FOR CATEGORY OF Miscellaneous
   =============================================================
   =============================================================

ID    SEQ-NO   START DATE  TIME     END DATE  TIME
---   ------   ----------  ----   ----------  ----


CGH      162    1/ 6/1984   730    1/16/1984   730     CONFIRMED = Y
 Miscellaneous travel
```

Example #3 - Search option 4

```
    THIS OPTION GIVES A BRIEF LISTING FOR A SPECIFIED DAY'S
                    ACTIVITY FOR ALL PERSONNEL

     ENTER DESIRED DATE (MM/DD/YY) > 01/06/84

  5/ 4/84                                                    PAGE      1

           ACTIVITY REPORT FOR THE DAY OF  1/ 6/1984
          ==========================================
          ==========================================

ID    CATEGORY                          TIME SEQ-NO
---   -------------------------------   ---- ------

CGH   Miscellaneous                      730    162   CONFIRMED  Y
```

Example #4 - Search option 5 - List of ID Codes and Names

```
   SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

  5/ 4/84                                                    PAGE    1

          LISTING OF ID CODES AND NAMES


          ID     NAME (Last  First)
          ---    ----------------------------------

          BLB    Bailey, Betty
          CGH    Harris, Cynthia G.
          CWW    Winters, Clyde
          DCM    McCracken, Don
          DKH    Harris, Danny
          JCW    Ward, Jim
          JVC    Van Cleave, Jon
          LRF    Foster, Lee

          ENTER RETURN TO CONTINUE
```

Example #5 - Search option 6 - List of Categories and Descriptions

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

        Category File and Descriptions
        ==============================

       1 - Travel
       2 - Training
       3 - Meeting
       4 - Review
       5 - Leave
       6 - Compensatory Time
       7 - Appointment
       8 -
       9 -
      10 - Miscellaneous
      11 -
      12 -
      13 - Launch OPS
      14 - System Tests
      15 - Vehicle Processing
      16 - Vehicle Launch (R - Day)
      17 - Post Flight Evaluation
      18 - Mission Integration Activities

      ENTER RETURN TO CONTINUE
```

16.7 SPOOLING OUTPUT

While the Search retrieval is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in section 3.1.

16.8 ARCHIVE OPTION

Due to the structure of the Scheduler file data base, archiving capability is not provided within this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

17.0 SCOUT PROJECT REGISTRATION FILE

This file is an activity registration data base designed for the Scout Project Office, NASA / LaRC.

Information for each record in the Scout Registration file is stored in the following fields:

ENTRY DATE	INPUT DATE	LAST NAME
FIRST NAME	TITLE	COMPANY
STREET	CITY	STATE
ZIP CODE	AREA CODE	PHONE NUMBER
EXTENSION	CITIZENSHIP	BUILDING OR MISCELLANEOUS
TOUR	CAR PASS	DINNER
DINNER	SOCIAL	BREAKFASTS (1 AND 2)
WHOLE PACKAGE	PREPAID FEE	TOTAL RECEIVED

The Scout Registration file program main menu appears as follows:

```
LAUNCH REGISTRATION PROGRAM MAIN MENU FOR THE SCOUT PROJECT

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

1.  Input   Menu
2.  Update  Menu
3.  Delete  Menu
4.  Report  Menu
5.  Search  Menu

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

The Registration File program main menu has five (5) options: options 1, 2, and 3, INPUT, UPDATE, and DELETE, which are privileged options and require a security clearance, and options 4 and 5, REPORT and SEARCH, which have open access. All of these options are discussed in the

following sections.

17.1 INPUT OPTION

When the input option is selected from the main menu and the proper security clearance has been passed, the Scout Registration file input menu will appear as follows:

```
INPUT MENU FOR THE SCOUT PROJECT LAUNCH REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0.  Return to Master Menu
1.  Input to Conference Registration File
2.  Sorting & Housekeeping Routine

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

17.1.1 INPUT NEW RECORD INTO REGISTRATION FILE

Option 1 allows the user to input records into the Registration file data base, the input screen for which appears as follows:

```
           SCOUT PROJECT REGISTRATION FILE INPUT / UPDATE SCREEN
           =====================================================

 ENTRY DATE           LAST NAME                FIRST NAME, M.I.     INPUT DATE
>..........<     >...............<        >.................<  >..........<

          TITLE                                        COMPANY
>..............................<     >...................................<

          BUILDING OR MISCELLANEOUS                          CITIZENSHIP
>............................................<       >...............<

              STREET                                  CITY                 STATE
>.......................................<   >....................<          >..<

    ZIP CODE          AREA CODE       PHONE NUMBER      EXTENSION
>..............<       >...<          >........<        >........<
        CAR                         BREAKFASTS    WHOLE    PREPAID     TOTAL
TOUR   PASS    DINNER  SOCIAL        1     2     PACKAGE     FEE      RECEIVED
>...<  >...<   >...<   >...<       >...< >...<   >...<    >.......<  >.........<
```

When input has been completed, the following message reminding the user to run the Houskeeping routine will be displayed:

```
PLEASE NOTE :::::: NEW ITEMS IN DATA BASE !!!!!
DATA FILE MUST BE SORTED IN ORDER TO SEARCH & RETRIEVE RECORDS.
```

17.1.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 performs general housekeeping and file maintenance. The Housekeeping menu appears as follows:

```
 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

THIS PROGRAM PERFORMS FILE HOUSEKEEPING:
SORTING, CLEAN UP, AND PURGING OF DELETED RECORDS
         THIS IS A SLOW ROUTINE !

(0)  EXIT
(1)  SORT FILE
(2)  HOUSEKEEPING (PURGE) FILE
(3)  PERFORM BOTH SORT & PURGE ON FILE

  ENTER OPTION >
```

Option 0 returns the user to the program main menu. Option 1 sorts the file by Last Name and by First Name. Option 2 automatically purges those records that have been marked for deletion by the delete routine. Option 3 performs both the sort and the purging of deleted records. No terminal actions are necessary from the user for any of these options. Several messages will be displayed at the terminal screen to inform the user when these tasks have been completed. Below is a listing of the appropriate terminal messages corresponding to the menu options.

Option 1 - Sort File Only

```
   PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS
      SORT IS FINALLY DONE !!!!!!!!!!!!!!!
            ALL DONE !!!!
```

Option 2 - Houskeeping (Purge) Only

```
  CLEAN UP OF DELETED RECORDS NOW IN PROGRESS .......
      4  RECORDS PURGED .... CLEAN UP NOW IN PROGRESS
               ALL DONE !!!!!!!!!!!!!!!
```

Option 3 - Perform Both Sort and Purge

```
      PLEASE STAND BY .... SORTING OF FILE IS NOW IN PROGRESS
              SORT IS FINALLY DONE !!!!!!!!!!!!!!!
       CLEAN UP OF DELETED RECORDS NOW IN PROGRESS ......
              ALL DONE !!!!!!!!!!
```

17.2 UPDATE OPTION

When the update option is selected from the main menu and the proper security clearance has been passed, the Registration file update menu will appear as follows:

```
 UPDATE MENU FOR THE SCOUT PROJECT LAUNCH REGISTRATION
AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Update Conference File
 2.  Sorting & Housekeeping Routine

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

17.2.1 UPDATE RECORD IN REGISTRATION FILE

Option 1 allows the user to update a record in the Registration file. In order to retrieve the desired record, the user must enter the appropriate last name, notated as 'LAST-NAME?>'. If the desired record is found, it will be displayed in an update screen identical to the input screen illustrated in section 17.1.1 of this document. When update has been completed, 'LAST-NAME?>' will again be displayed. A carriage return will return the user to the program main menu. If there are multiple records having the same Last Name, only the first record found will be displayed on the input / update screen. To retrieve the subsequent records type an '=' at the prompt 'LAST-NAME?>'. If the desired record is not found, 'ITEM NOT FOUND' will be displayed and the user must enter another last name or enter a carriage return, which will return the user to the program main menu. Refer to the example below which illustrates update entry and error / exit path.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
LAST-NAME?> FOSTER
ITEM NOT FOUND
SEQ-NO?>  ** return **
```

17.2.2 SORTING and HOUSEKEEPING ROUTINE

Option 2 generates the same Houskeeping routine discussed in detail section 17.1.2 of this document.

17.3 DELETE OPTION

When the delete option is selected from the main menu and the proper security clearance has been passed, the Registration file delete menu will

appear as follows:

```
 DELETE MENU FOR THE SCOUT PROJECT LAUNCH REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to Master Menu
 1.  Delete record in Conference File
 2.  Sorting & Housekeeping Routine

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

17.3.1 DELETE RECORD FROM REGISTRATION FILE

Option 1 allows the user to delete a record from the Registration file data base. In order to retrieve the desired record, the user must enter the appropriate Last Name. If multiple records are found having the same Last Name, the user must then enter the appropriate First Name. If the desired record is found, all of the data fields will be displayed with the prompt 'DELETE THIS RECORD (Y OR N) >'. If the user responds with 'Y', a message reminding the user to run the Housekeeping routine will be displayed. An 'N' response will return the user to the beginning of the delete routine. Another Last Name may be entered, or the user may type 'QUIT' to return to the main menu. If multiple records are found having the same Last Name and First Name, selected fields of each record found will be displayed with the corresponding record numbers. The user must enter which record number is to be deleted, and all of the fields of the appropriate record will then be displayed. The user will then enter a 'Y' or an 'N' to indicate whether the record is to be deleted. If the desired record is not found containing the specified Last Name, the message:
'NO SUCH LAST NAME IN THE CURRENT DATA FILE *** TRY AGAIN' will be displayed. Note that the user must type 'QUIT' to exit the delete routine. Refer to

the example below.

```
    THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE

    TYPE   QUIT   TO RETURN TO MAIN MENU

 ENTER LAST NAME > HARRIS

 ENTER FIRST NAME M.I. > DANNY K.

    SEARCH IN PROGRESS
    PLEASE STAND BY ...
   2 RECORDS WERE FOUND ::: LAST NAME = HARRIS
             AND  FIRST NAME = DANNY K.

$RECNO   COMPANY                                   CITY                 STATE
     3   KENTRON INTERNATIONAL                     HAMPTON              VA
     4   KENTRON                                   HAMPTON              VA

   (Note that the record numbers displayed here are 3 and 4)

 ENTER RECORD NUMBER TO BE DELETED > 4

  THE FOLLOWING HAS BEEN FOUND:

 LAST NAME >HARRIS              FIRST NAME >DANNY K.            CITIZENSHIP >USA

 TITLE >COMPUTER SPECIALIST             COMPANY >KENTRON

 STREET >                                          CITY >HAMPTON

 STATE >VA  ZIP CODE >23666            AREA CODE >  0  PHONE NO. >          EXT.
>

 PREPAID FEE >                TOUR >

 CAR PASS >        DINNER >        WHOLE PACKAGE >

 SOCIAL >  0     BREAKFASTS:  1 >     2 >

 TOTAL RECEIVED >


  DELETE THIS RECORD (Y OR N) > Y

  PLEASE NOTE ::: RECORD DELETED ... MUST RUN HOUSEKEEPING TO PURGE RECORD

     THIS PROGRAM WILL DELETE SELECTED RECORD FROM DATA BASE
          TYPE    QUIT   TO RETURN TO MAIN MENU

  ENTER LAST NAME > QUIT
```

17.3.2 SORTING and HOUSKEEPING ROUTINE

Option 2 generates the same Housekeeping routine that is discussed in detail in section 17.1.2 of this document.

17.4 REPORT OPTION

The Registration file report menu appears as follows:

```
REPORT MENU FOR THE SCOUT PROJECT LAUNCH REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

0.  Return to the Master Menu
1.  Registration List Report
2.  Mailing or Conference List
3.  Conference Sign-In Sheet

 SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

Option 0 returns the user to the program main menu. All other options generate specialized reports of the data base which are to be spooled to the appropriate printer. No terminal output is provided. When spooling has been completed, the user is returned to the Registration file Report menu.

Option 1 generates a list of the entire data base with options for sorting by various fields. After spooling has been completed, the file is automatically sorted back to its original form, and the user is then returned to the Report menu. The printer output for option 1 uses the same format that is illustrated for the search options in section 17.6 of this document. Refer to the following example for terminal operations for option 1.

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1

THIS PROGRAM PROVIDES A REPORT FOR THE SCOUT LAUNCH REGISTRATION
          WITH THE FOLLOWING OPTIONS AVAILABLE:
```

```
(0) EXIT
(1) SORT BY NAME
(2) SORT BY COMPANY
(3) SORT BY STATE
(4) SORT BY PREPAID FEE
(5) SORT BY ENTRY DATE
(6) SORT BY TITLE

ENTER OPTION > 2

          5  RECORDS FOUND AND SORTED.  OUTPUT BEING FORMATTED.

OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT  PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION    / DALLAS, TX
    3) PROJECTS  DIRECTORATE / LARC, NASA


ENTER OPTION NUMBER > 0

NO OUTPUT SPOOLED !!!!

FILE BEING RE-SORTED IN ORIGINAL FORM.

ALL FINISHED !!! GOING BACK TO REPORT MENU !
```

Option 2 generates a listing of the Registration data base in either of two formats. The Mailing format may easily be used for mailing labels. The Conference format contains information on registered attendees which may be used as an official attendee list. Refer to Appendix K-1 for an example of the Scout Registration Mailing or Conference List output report format. See the following example for terminal operations for option 2.

```
     SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 2

 THIS PROGRAM PROVIDES A LISTING TO BE SPOOLED FOR PRINTER
 OUTPUT OF ALL SCOUT PROJECT LAUNCH ATTENDEES AND HAS
 TWO FORMATS AVAILABLE   (TYPE ZERO (0) TO QUIT):

(1) MAILING    FORMAT - INCLUDES NAME, COMPANY, AND COMPANY ADDRESS
(2) CONFERENCE FORMAT - INCLUDES THE ITEMS FROM MAILING FORMAT,
                        PLUS TITLE, BUSINESS AREA CODE, AND PHONE NO.

 ENTER OPTION > 2

   PLEASE STAND BY ..... OUTPUT BEING FORMATTED.
```

```
 OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT  PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION    / DALLAS, TX
    3) PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

  NO OUTPUT SPOOLED !!!!
```

Option 3 generates a specially formatted sign-in sheet which is to be spooled to a letter quality printer using single sheet paper. Refer to Appendix K-2 for an example of the Scout Registration Sign-In Sheet report output format. See the following example for terminal operations for option 3.

```
      SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 3

  THIS PROGRAM PROVIDES A SPECIALLY FORMATTED SIGN IN
  SHEET FOR THE SCOUT PROJECT LAUNCH AND IS TO BE SPOOLED
  TO A LETTER QUALITY PRINTER (LQP).  PRINTER B, IN THE
  SCOUT OFFICE, IS THE LQP BEST SUITED FOR THIS REPORT.

  THE FOLLOWING OPTIONS ARE AVAILABLE:  (0)  QUIT
                                        (1)  SPOOL DATA BASE

                                         ENTER OPTION > 1

  PLEASE STAND BY ..... OUTPUT BEING FORMATTED.

   OUTPUT TO :
    0) NO OUTPUT !!!
    1) SCOUT  PROJECT OFFICE / LARC, NASA
    2) VOUGHT CORPORATION    / DALLAS, TX
    3) PROJECTS  DIRECTORATE / LARC, NASA

ENTER OPTION NUMBER > 0

   NO OUTPUT SPOOLED !!!!
```

17.5 SEARCH OPTION

The Registration file search menu appears as follows:

```
  SEARCH MENU FOR THE SCOUT PROJECT LAUNCH REGISTRATION

AVAILABLE OPTIONS ARE AS FOLLOWS
================================

 0.  Return to the Master Menu
 1.  Title Search
 2.  Company Search
 3.  Last Name Search
 4.  State Search
 5.  Prepaid Fee Search
 6.  Entry Date Search
 7.  Input Date Search

  SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) >
```

All search options display specially formatted reports comprised of all records containing the specified search criteria. Information is displayed to the terminal screen along with the option for printer output. When each search has been completed, the user is returned to the Registration file Search menu. Printer outputs for all search options use the same format that is illustrated in the examples in section 17.6 of this document.

Option 1 allows the user to search on the Title field. This is a partial search, hence a search on the string 'COMP' would retrieve those records containing both 'COMPUTER SPECIALIST' and 'COMPUTER MAINTENANCE ENGINEER' in the Title field. Refer to example number 1 in the following section.

Option 2 performs a search on the Company field. It is a partial search and operates identical to the Title search in option number 1.

Option 3 performs a search on the Last Name field. This search is also a partial search and operates identical to the Title search in option number 1.

Option 4 generates the State search, which is also a partial search operating identical to the Title search in option number 1.

Option 5 performs a search on the Prepaid Fee field. The user may

search either on records having a Prepaid Fee greater than zero, or on records having a Prepaid Fee equal to zero. See example number 2 in the following section for an illustration of this routine.

Option 6 performs the Entry Date search. This routine searches on a range of dates, but a single date may be searched on by entering the same date in the last date in the range as was entered for the first date in the range. Example number 3 in the following section illustrates this search routine.

Option 7 performs the Input Date search, which searches only on a single date. Example number 4 in the following section illustrates this search routine.

17.6 SAMPLE SEARCHES

Example #1 - Title Search - Option 1

```
SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 1
THIS SEARCH ROUTINE PERFORMS THE TITLE QUERY / RETRIEVAL
ENTER TITLE TO BE SEARCHED ON > PR
PLEASE STAND BY ..... SEARCH NOW IN PROGRESS
TITLE SEARCH FOR PR                FOUND    1 RECORDS
TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...
```

9/20/84 PAGE 1

SCOUT PROJECT LAUNCH REGISTRATION
==========

NAME TITLE
COMPANY
STREET
CITY STATE ZIP

BATES , JEREMIAH P. PROGRAMMER / ANALYST
DIGITAL
832 CHURCHILL TERRACE
LOS ANGELES CA 67654

OUTPUT TO PRINTER (Y OR N) > N

Example #2 - Prepaid Fee Search - Option 5

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 5

THIS SEARCH ROUTINE PERFORMS THE PREPAID FEE QUERY / RETRIEVAL

TYPE ZERO (0) TO EXIT

TYPE ONE (1) FOR A LISTING OF THOSE WHO HAVE NOT PREPAID

TYPE TWO (2) FOR A LISTING OF THOSE WHO HAVE PREPAID

ENTER OPTION > 2

SEARCH FOR PREPAID FEE GREATER THAN ZERO FOUND 2 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED ... PLEASE STAND BY.

SCOUT PROJECT LAUNCH REGISTRATION
==========

NAME	TITLE
COMPANY	
STREET	
CITY	STATE ZIP
BATES , JEREMIAH P.	PROGRAMMER / ANALYST
DIGITAL	
832 CHURCHILL TERRACE	
LOS ANGELES	CA 67654
HARRIS , REBEKAH L.	SOFTWARE ANALYST
PRIME COMPUTER, INC.	
1456 BOSTON AVENUE	
NATICK	MD 25690

OUTPUT TO PRINTER (Y OR N) > N

Example #3 - Entry Date Search - Option 6

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 6

THIS PROGRAM PERFORMS THE ENTRY DATE SEARCH FOR THE SCOUT
PROJECT LAUNCH REGISTRATION DATA BASE

ENTER RANGE OF DATES FOR SEARCH - FIRST DATE ENTERED IS LOW VALUE IN RANGE.

ENTER FIRST ENTRY DATE > 01/01/83

ENTER LAST ENTRY DATE > 09/21/84

SEARCH FOR ENTRY DATES BETWEEN 1/ 1/83 & 9/21/84 FOUND 2 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY ...

SCOUT PROJECT LAUNCH REGISTRATION
==========

NAME TITLE
COMPANY
STREET
CITY STATE ZIP

BATES , JEREMIAH P. PROGRAMMER / ANALYST
DIGITAL
832 CHURCHILL TERRACE
LOS ANGELES CA 67654

GOFF , SHARON D. SOFTWARE ANALYST
IBM
555 FREEMAN LANE
AMHERST MA 02510

OUTPUT TO PRINTER (Y OR N) > N

Example #4 - Input Date Search - Option 7

SELECT OPTION BY ENTERING NUMBER (RETURN TO QUIT) > 7

THIS PROGRAM PERFORMS THE INPUT DATE SEARCH FOR THE SCOUT
PROJECT LAUNCH REGISTRATION DATA BASE

ENTER INPUT DATE FOR SEARCH > 9/20/84

SEARCH FOR INPUT DATE 9/20/84 FOUND 1 RECORDS.

TERMINAL OUTPUT NOW BEING GENERATED .... PLEASE STAND BY.

SCOUT PROJECT LAUNCH REGISTRATION

NAME	TITLE
COMPANY	
STREET	
CITY	STATE ZIP
BATES , JEREMIAH P.	PROGRAMMER / ANALYST
DIGITAL	
832 CHURCHILL TERRACE	
LOS ANGELES	CA 67654

OUTPUT TO PRINTER (Y OR N) > N

17.7 SPOOLING OUTPUT

While the Search retrieval is being compiled, a 'STAND BY' message will be displayed and then the information will be displayed on the terminal screen. If the report is longer than the terminal screen, a prompt 'MORE?' will be displayed at the bottom left of the screen. A carriage return is understood as a page by page display of the information compiled. When 'N' is entered or the report is completed, the following message will be displayed: 'OUTPUT TO PRINTER (Y OR N) >'. An 'N' response will end the session. If 'Y' is entered, the SPOOLING menu is activated as described in section 3.1.

17.8 ARCHIVE OPTION

Due to the structure of the Registration file data base, archiving capability is not provided within this area. If data does need to be archived in this area, however, the system administrator or the data administrator may be contacted regarding a data archive.

A P P E N D I C E S

****

INCOMING MAIL — INPUT DATE 7-12-85

SUBJECT — DOCUMENT DATE — FILE SYSTEM CODE
AUTHOR/SOURCE — TO — ROUTING — TYPE/LETTER NUMBER
ACTION DUE DATE — WA NUMBER/ID CODE — CONTRACT NUMBER — DAILY COUNTER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)

****

1. TRANSMITTAL OF OSF POP 85-2 — 7- 9-85 — 506 1 /
RICHARD H. PETERSEN — SPO — LRF/JVC/JCW/EIC/DCM/
0- 0- 0 — 1
NONE
NONE

2. WALLOPS FIELD ACTIVITY REPORT FOR WEEK ENDING 7 JULY 1985 — 7- 8-85 — 405.10 /
W.R. JENION/WFF — SPO — ALL/ / / / / — S-51600/5M61
0- 0- 0 — 2
NONE
NONE

****

OUTGOING MAIL — INPUT DATE 7-12-85

SUBJECT — DOCUMENT DATE — FILE SYSTEM CODE
AUTHOR/SOURCE — TO — ROUTING — TYPE/LETTER NUMBER
ACTION DUE DATE — WA NUMBER/ID CODE — CONTRACT NUMBER — DAILY COUNTER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)

****

1. VMAPD/WFF PROJECTED WORK SCHEDULE — 7- 9-85 — 405.1 /
C.W. WINTERS — W.R. JENION/WFF — ALL/ / / / / — S-51600/5M63
0- 0- 0 — 11
NONE
NONE

2. SUBMISSION OF SCOUT MONTHLY QUALITY STATUS REPORT — 7- 5-85 — 407.1 /
P.E. EVERHART — R.E. RUCKER/NAVY-REP — PEE/JVC/ / / / — 06M/TS
0- 0- 0 — 12
NONE
NONE

****

VOUGHT/DALLAS CORRESPONDENCE — INPUT DATE 7-12-85

SUBJECT — DOCUMENT DATE — FILE SYSTEM CODE
AUTHOR/SOURCE — TO — ROUTING — TYPE/LETTER NUMBER
ACTION DUE DATE — WA NUMBER/ID CODE — CONTRACT NUMBER — DAILY COUNTER
NASA RESPONSIBLE ENGINEER(S)
REFERENCE DOCUMENT NUMBER(S)

****

1. WORK AUTHORIZATION 3007, TASK M-4-10, PROCUREMENT OF LOGISTICS SPARES-MISC — 7-11-85 — 684.19 /
R.G. URASH — SPO — CWW/JVC/MGC/DCM/PEE/RLD
0- 0- 0 — 3007 — NAS1-16200 — 3
NONE
NONE

2. TRANSFER OF EXCESS PROPERTY FROM N00123-78-C-0075 TO NAS1-14950 (F) — 1-22-85 — 655.16.2 /
R.G. URASH — SPO — JVC/RLD/DMF/MGC/ / — 3-11400/5AV0-2013
0- 0- 0 — NAS1-14950 (F) — 9
NONE
NONE

MAIL LOG DAILY CORRESPONDENCE OUTPUT

****
SPECIAL DIR ENTRY REPORT FOR INPUT DATE 7-16-85
****

ENTRY NO. 1 --- REVISION OF EXISTING DIR ---
PREFLIGHT WEIGHT REPORT FOR SCOUT VEHICLE S-209
23DIR2450 REV A DATED: 7- 3-85

10: 56 07/15/85

SUBJECT / AUTHOR / SOURCE	TYPE/LETTER NUMBER / RESPONSIBLE ENGINEER	FILE SYSTEM CODE	ACTION DUE DATE / DATE-CODE / DATE-DUE
1.23DIR2454 PREFLIGHT FINAL TRAJECTORY AND STAGE IMPACT POINTS, S-209, SOOS R.G. URASH	3-14100/5L-3225 LRT	302.2 /	52185 8 61885
2.EO 52391 (MECH) RELEASE DRAWING 23-003090 FOR APPROVAL R.G. URASH	3-14100/5L-3216 EEH	684.22 /	52185 14 61885
3.EO 52393 (MECH) RELEASES DWG 23-003090 FOR APPROVAL R.G. URASH	3-14100/5L-3240 EEH	684.22 /	52985 13 62685
4.TASK PLAN RANGE SAFETY FOR S209 SOOS-1 MISSION R.G. URASH	3-14100/5L-3294 JDD	684.5.1 /	62185 19 71985
5.EO 56259 (MGSE) DRAWING 331-63101 FOR APPROVAL R.G. URASH	3-14100/5L-3297 EEH	684.22 /	62585 18 72385
6.EO NO. 52399 (MECH) AGAINST DRAWING 23-002063 FOR APPROVAL R.G. URASH	3-14100/5L-3306 EEH	684.22 /	62785 14 72585
7.23DIR2457 MISSILE FLIGHT SAFETY DATA FOR IN-FLIGHT SAFETY APPROVAL-SOOS-1 R.G. URASH	3-14100/5L-3318 JDD	302.2 /	7 985 12 8 585

MAIL LOG ACTION DUE SEARCH OUTPUT

10: 50 07/15/85

SUBJECT: RING TIE

SUBJECT REFERENCED DOCUMENTS	TYPE/LETTER NUMBER	FILE SYSTEM CODE	DATE-CODE
1.VOICE RELAY OF COUNTDOWN STATUS DURING CLASSIFIED LAUNCH ACTIVITIES NONE	SP	403 /	4 881 7
2.TIERING FORKLIFTS FOR USE BY SCOUT PROGRAM AT VANDENBERG AIR FORCE BASE CA NONE	158A/756	403 /	31783 5
3.DIFFICULTIES ENCOUNTERED DURING TRAVEL TO SANTA BARBARA, CA. NONE		514.2.1 /	61383 1
4.EROSION OF THE SHORE PROTECTION FACILITIES DURING OCTOBER 1983 NONE	S-99209/3M101	405.1 /	11 983 9
5.PERSONNEL ACCESS LIST TO WTR FACILITIES DURING SOOS OPERATIONS NONE	S-7133/LRT	219.2 /	32885 11
6.CLOSING CENTER FACILITIES DURING THANKSGIVING AND CHRISTMAS HOLIDAYS NONE	ANNOUNCE 61-81	545.2 /	111781 11
7.CLOSING CENTER FACILITIES DURING THANKSGIVING & CHRISTMAS HOLIDAYS NONE	35-82	545.2 /	11 582 4
8.CENTER FACILITIES SCHEDULED FOR CLOSURE DURING THANKSGIVING & CHRISTMAS NONE	29-83	545.2 /	11 283 14
9.L-86494A, AMENDMENT 6, FUNDS FOR UTILITIES AT VAFB DURING FISCAL YEAR 1985 NONE		800.1 /	92484 14

7/15/85 PAGE 1

COMPONENT TRANSFER REPORT
THE FOLLOWING COMPONENT HAS BEEN TRANSFERRED
FROM VEHICLE SPARE-777 TO VEHICLE NRL-07

STAGE CATEGORY	COMPONENT OR SERIAL NUMBER COMMENT(S)	CAST EXP	CONTRACT LOCATION	MOD/TASK COST
ALTAIR IIIA CASE	068 HAS 3 RING FORG COMPS., NOTE 7		NAS1-14200 FIRED	$ 0

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COMPONENT TRANSFER REPORT
THE FOLLOWING COMPONENT HAS BEEN TRANSFERRED
FROM VEHICLE NRL-09 TO VEHICLE SPARE-TEST

STAGE CATEGORY	COMPONENT OR SERIAL NUMBER COMMENT(S)	CAST EXP	CONTRACT LOCATION	MOD/TASK COST
ALTAIR IIIA CASE	072 HAS RING FORG COMPONENT		NAS1-14200 VAFB	(3.L.1.) $ 0

```
                23
DESCRIPTION      =TEST SQ-2
STAGE            =9
CATEGORY         =1
COMPONENT-S/N    =E12
LOCATION         =F
CAST-DATE        =05/74
EXP-DATE         =N/A
CONTRACT         =11400
CONTRACT-X       =3.B.1
COST             = 34501
COMMENT          =
FILLER           =
                24
DESCRIPTION      =TEST SQ-2
STAGE            =9
CATEGORY         =2
COMPONENT-S/N    =016
LOCATION         =0
CAST-DATE        =
EXP-DATE         =
CONTRACT         =11400
CONTRACT-X       =
COST             =     0
COMMENT          =
FILLER           =
                25
DESCRIPTION      =TEST SQ-2
STAGE            =9
CATEGORY         =3
COMPONENT-S/N    =008
LOCATION         =F
CAST-DATE        =
EXP-DATE         =
CONTRACT         =11400
CONTRACT-X       =
COST             =     0
COMMENT          =
FILLER           =
                26
DESCRIPTION      =TEST SQ-2
STAGE            =9
CATEGORY         =4
COMPONENT-S/N    =323-8
LOCATION         =F
CAST-DATE        =05/74
EXP-DATE         =N/A
CONTRACT         =11400
CONTRACT-X       =
COST             =     0
COMMENT          =
FILLER           =
```

MOTOR FILE DUMP REPORT

CASTOR IIA NOTE # 3

THIS CASE IS A REPLACEMENT CASE TO NASA/SPO FOR ONE THEY LOANED (TO GODDARD) FROM NAS1-11400 PRODUCTION, BELIEVED TO BE S/N 912. VALUE FOR NAS1-11400 CASES WAS $15,673. S/N 1409 (587-11) WAS MANUFACTURED TO THE HI-STRENGTH, NAS1-14200 REQUIREMENTS AT THE END OF HTC-23 (CONTRACT NAS1-14200, LINE ITEM NO. 1.A.), BUT NO CHARGE FOR THIS UNIT WAS PAID BY NASA/SPO OR KTC FOR THIS HI-STRENGTH UNIT. COSTS ARE BELIEVED TO HAVE BEEN ASSUMED BY GODDARD THROUGH THIOKOL/HUNTSVILLE AS REPAYMENT FOR S/N 912.

INFORMATION REPORT FOR S-198

STAGE CATEGORY	COMPONENT OR SERIAL NUMBER COMMENT(S)	CAST EXP	CONTRACT LOCATION	MOD/TASK COST
ALGOL IIIA MOTOR	5504-2	08/75 N/A	NAS1-13100 FIRED	1. $ 172985
ALGOL IIIA CASE	1010 SEE ALGOL NOTE 1		NAS1- 9258 N/A	1. $ 68000
ALGOL IIIA NOZZLE	023M MOD ON 13100/1.,SEE ALG.NOTE 2		NAS1- 6935 FIRED	T.O. 40 $ 29151
ALGOL IIIA IGNITER	040	03/75 N/A	NAS1-13100 FIRED	(1.) $ 0
CASTOR IIA MOTOR	394	02/73 N/A	NAS1-11400 FIRED	1.A. $ 97872
CASTOR IIA CASE	909		NAS1-11400 N/A	(1 A.) $ 0
CASTOR IIA NOZZLE	455-11		NAS1-11400 FIRED	(1.A.) $ 0
CASTOR IIA IGNITER	375	10/72 N/A	NAS1-11400 FIRED	(1.A) $ 0
ANTARES IIA MOTOR	409	04/73 04/82	NAS1-11400 FIRED	2.A. $ 64760
ANTARES IIA CASE	209		NAS1-11400 N/A	(2.A.) $ 0
ANTARES IIA NOZZLE	0240 FREE FROM ATHENA		NAS1- 0 FIRED	$ 0
ANTARES IIA NOZZLE	0240(R) REWORK & REINSPECTION		NAS1-12500 FIRED	R173 $ 18095
ANTARES IIA IGNITER	K40-008	06/76 12/86	NAS1-14388 FIRED	1.0. $ 20406
ANTARES IIA MISCELLANEOUS	IGN CASTING POWDER CONTRACT L4594A, SEE ANT.NOTE 3		NAS1- 0 FIRED	$ 1011
ANTARES IIA MISCELLANEOUS	MTR CASTING POWDER CONTRACT L55240,SEE ANT.NOTE 3		NAS1- 0 FIRED	$ 6230
ALTAIR IIIA MOTOR	E29	04/77 N/A	NAS1-14200 FIRED	3.C. $ 36883
ALTAIR IIIA CASE	028		NAS1-11400 N/A	3.C.1. $ 12724
ALTAIR IIIA NOZZLE	107		NAS1-14200 FIRED	(3.C) $ 0
ALTAIR IIIA IGNITER	027	02/77 N/A	NAS1-14200 FIRED	(3.C.) $ 0

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COST REPORT FOR S-198

STAGE	CATEGORY	COMPONENT/SERIAL #	COMMENT (S)	LOCATION	CONTRACT	MOD/TASK	COST
ALGOL IIIA	MOTOR	5504-2		FIRED	NAS1-13100	1.	$ 172985
	CASE	1010	SEE ALGOL NOTE 1	N/A	NAS1- 9258	1.	$ 68000
	NOZZLE	023M	MOD ON 13100/1.,SEE ALG.NOTE 2	FIRED	NAS1- 6935	T.O. 40	$ 29151
	IGNITER	040		FIRED	NAS1-13100	(1.)	$ 0
ALGOL IIIA							270136
CASTOR IIA	MOTOR	394		FIRED	NAS1-11400	1.A.	$ 97872
	CASE	909		N/A	NAS1-11400	(1.A.)	$ 0
	NOZZLE	455-11		FIRED	NAS1-11400	(1.A.)	$ 0
	IGNITER	375		FIRED	NAS1-11400	(1.A.)	$ 0
CASTOR IIA							97,872
ANTARES IIA	MOTOR	409		FIRED	NAS1-11400	2.A.	$ 64760
	CASE	209		N/A	NAS1-11400	(2.A.)	$ 0
	NOZZLE	0240	FREE FROM ATHENA	FIRED	NAS1- 0		$ 0
	NOZZLE	0240(R)	REWORK & REINSPECTION	FIRED	NAS1-12500	R173	$ 18095
	IGNITER	K40-008		FIRED	NAS1-14388	1.0.	$ 20406
	MISCELLANEOUS	IGN CASTING POWDER	CONTRACT L4594A,SEE ANT.NOTE 3	FIRED	NAS1- 0		$ 1011
	MISCELLANEOUS	MTR CASTING POWDER	CONTRACT L55240,SEE ANT.NOTE 3	FIRED	NAS1- 0		$ 6230
ANTARES IIA							110502
ALTAIR IIIA	MOTOR	E29		FIRED	NAS1-14200	3.C.	$ 36883
	CASE	028		N/A	NAS1-11400	3.C.1.	$ 12724
	NOZZLE	107		FIRED	NAS1-14200	(3.C.)	$ 0
	IGNITER	027		FIRED	NAS1-14200	(3.C.)	$ 0

1) CHANGE REQUEST NUMBER : DAL9999B
2) DATE : 7-15-85
3) TITLE : TEST ENTRY FOR DEMO AND SAMPLE OUTPUT FOR APPENDIX
4) DRAWINGS / COMMENTS : DRAWING 23-00001
NO COMMENTS
5) VEHICLES : 209 210 0 0
6) SYSTEMS : ELEC RF
7) STATUS : OPN
8) PROCEDURE / ENGINEER : 333 FPK/KFT

****
****

N E W C H A N G E R E Q U E S T MON, JUL 15 1985

****
****

CHANGE REQUEST INPUT REPORT

MANAGEMENT

COGNIZANT

COPY

CHANGE REQUEST : DAL9999B which is TITLED :
TEST ENTRY FOR DEMO AND SAMPLE OUTPUT FOR APPENDIX
Is for your Cognizance and Awareness, Not for Action.
Please DO NOT RETURN, and DO NOT PLACE in Configuration
CONTROL SYSTEM.

PLEASE DESTROY

L.R.F. _____

J.V.C. _____

R.L.D. _____

P.E.E. _____

(1) DAL2555 (2) 9-20-77 (3) INST'L FLIGHT PROFILE (REVISED) S-199C GUIDANCE SYSTEM
(4) (5) 199 0 0 0
(6) GUID (7) APP
(8) 422 424 4216 4234 4236 433 434 435 436 437 438 573 574 0 0

(1) DAL2557 (2) 9-22-77 (3) CORRECT PROCEDURE ERRORS SOP 4-3-7
(4) (5) 199 0 0 0
(6) GUID (7) APP
(8) 437 0 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) DAL2580 (2) 12- 8-77 (3) BALANCE AND WEIGH LOWER-D ASSEMBLY S-204
(4) 23-003837-1 (5) 204 0 0 0
(6) MECH (7) APP
(8) 4238 0 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) DAL2610 (2) 4- 4-78 (3) USE OF MODIFIED SERVO ANALYZER ON S-204
(4) (5) 204 0 0 0
(6) GUID (7) APP
(8) 437 573 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) WI 2591A (2) 6- 5-85 (3) S-207 AUTO/DESTRUCT FLIGHT BATTERIES RE-ASSIGNMENT
(4) (5) 207 0 0 0
(6) ELEC (7) APP
(8) 431 0 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) WI 2592 (2) 6-10-85 (3) REPLACEMENT OF CHANNEL 9 SCO & CHANNEL 9 DC AMPLIFIER
(4) REF: QCTIR 27264 (5) 207 0 0 0
(6) RF ELEC (7) APP
(8) 632 0 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) WI 2593 (2) 6-11-85 (3) ACCEPTANCE OF S-207 ALTAIR III INITIATORS
(4) REF: QCTIR 27276 (5) 207 0 0 0
(6) PROP ELEC (7) APP
(8) 381 634 0 0 0 0 0 0 0 0 0 0 0 0 0

(1) WI 2594 (2) 6-11-85 (3) DOCUMENTATION OF S-207 LOWER PLANE WEIGHT INTERFERENCE
(4) REF: QCTIR 27275 (5) 207 0 0 0
(6) MECH (7) APP
(8) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

1.	23DIR167		TITLE: UPPER STAGE CONTROL FUEL CONSUMPTION COAST TIMES
2.	23DIR199	REV A	TITLE. MINIMUM CONTROL FUEL ON BOARD AND UNREGULATED NITROGEN PRESSURE AT LIFT OFF
3.	23DIR254	REV B	TITLE: REACTION CONTROL SYSTEM CRITERIA FIELD USE
4.	23DIR607		TITLE: VELOCITY REQUIRED TO CIRCULAR ORBIT EXCESS WEIGHTS
5.	23DIR652		TITLE: THIRD STAGE RETRO TIME AND ANGULAR MOTION
6.	23DIR814	REV A	TITLE: UPPER ATMOSPHERIC DATA 65K 120K FEET ALTITUDE
7.	23DIR843		TITLE. THIRD STAGE MOTOR CHAMBER PRESSURE ANOMALY
8.	23DIR871		TITLE. INCREASED 2ND/3RD STAGE IGNITION DYNAMIC PRESSURE STUDY
228.	23DIR1200	REV A	TITLE: FOURTH STAGE ATTITUDE CONTROL SYSTEM STUDY
229.	23DIR1201		TITLE: S-166C, GRP-A, HIGH/LOW DISPERSION TRAJECTORY MAG TAPE
230.	23DIR1203		TITLE. FOURTH-STAGE SERIES 200 E SECTION SEPARATION VELOCITIES
231.	23DIR1204		TITLE: X258 EMBEDDED BOOT STRAIN MEASUREMENT TEST
232.	23DIR1205		TITLE: SCOUT D ORBIT PERFORMANCE CAPABILITY PRELIMINARY
1055.	23DIR2100	REV A	TITLE: PREFLIGHT SEQUENCE EVENTS UK6 S198 GUIDANCE
1056.	23DIR2102		TITLE: PREFLIGHT PERFORMANCE PROFILE UK6 S198
1057.	23DIR2103		TITLE: S2ET RANDOM VIBRATION EVALUATION TEST INTERVALOMETER 439900-3
1058.	23DIR2104		TITLE: THERMAL ENVIRONMENT LOWER"D" SECTION S-202
1059.	23DIR2106		TITLE: PREFLIGHT TRAJECTORY IMPACT POINTS UK6 S198
1060.	23DIR2107		TITLE: PAYLOAD ADAPTER DIMENSIONAL INVESTIGATION
1061.	23DIR2108		TITLE: PREFLIGHT WIND RESTRICTIONS UK6 S198
1062.	23DIR2109		TITLE: PREFLIGHT CONTROL SETTINGS PEROXIDE UK6 S198
1063.	23DIR2110	REV A	TITLE: S208 AND SUB RADIO FREQUENCY SYSTEMS (C/D,R/B,T/M)
1064.	23DIR2111		TITLE: PEROXIDE BLADDER INVESTIGATION TEAR FAILURE POST CURE
1065.	23DIR2112		TITLE: PRELIMINARY SEQUENCE EVENTS S205 NOVA II
1345.	23DIR2400		TITLE: PREFLIGHT CONTROL SYS SETTINGS & HYDROGEN PEROXIDE REQ. S-199
1346.	23DIR2401		TITLE: SENSITIVITY OF VEHICLE CONTROL TO REACTION CONTROL MOTOR RESPONS
1347.	23DIR2403		TITLE: POST FLIGHT DATA REDUCTION AND ANALYSIS FOR POST 1985
1348.	23DIR2404		TITLE: VEHICLE PROCESSING AT VAFB '86 - '87 SPARES DOCUMENTS, GSE
1349.	23DIR2405		TITLE: RCS SHELF LIFE EVALUATION AND VAFB RETEST REQUIREMENTS
1350.	23DIR2406		TITLE: SAN MARCO DL LIFETIME ANALYSIS
1351.	23DIR2407		TITLE: AF-16 PRELIMINARY TRAJECTORY
1352.	23DIR2408		TITLE: SHELF LIFE TEST OF ALGOL IIIA IGNITER S/N 0043
1353.	23DIR2409		TITLE: PREFLIGHT ASSIGNMENT AND PERFORMANCE PREDICTION FOR VEH. S-206
1354.	23DIR2411		TITLE: PREFLIGHT SEQUENCE OF EVENTS AND GUIDANCE PROGRAM FOR S-206C
1355.	23DIR2412	REV B	TITLE: PREFLIGHT ASSIGNMENT AND PERFORMANCE PREDICTION FOR VEH. S-207

NAS1-14950 (F)

PLANT EQUIPMENT (UNDER $500)

IDENT. / TAG NO.	PART NUMBER	SERIAL NUMBER	QTY.	UNIT COST	MOD#
DESCRIPTION		NEXT ASSEMBLY			LOC.
120636		50-0183	1	100.00	
WINCH,PWR,CAR SPOTTER					WI
120799		NONE	1	95.00	
ELECTRONIC WORK BENCH					WI
123544		NONE	1	250.00	
WORK BENCH					WI
123553		NONE	1	25.00	
OPEN FRONT STORAGE CAB., LYON					WI
126806		1	1	60.00	
T/M VAN CHECKOUT BENCH					WI
151189		NONE	1	268.00	
WORK BENCH					WI
1595	100VTA	00275	1	251.00	
FLOW METER					WI
116508	101-5BF	26626	1	366.00	
IGN CIRCUIT TESTER, ALINCO					WI
2431	10A3567A	6809A1675A1	1	150.00	
FLOW RATOR, FISCHER & PROCTER					WI
2311	116	NONE	1	250.00	
POWER STAT, SUPERIOR ELECT.					WI
NONE	1192		1	58.00	
HOT DIP POT					WI
123459	1432N	34936	1	50.00	
DECADE RESISTOR, GENERAL RADIO					WI
69084	1510A	NONE	1	33.00	
JOURNAL JACK (15 TONS),SIMPLEX					WI
109396	164	1525	1	110.00	
SWR. METER, SIERRA ELECT.					WI
102294	1862-B	3980	1	255.00	
MEGOHMMETER, GENERAL RADIO					WI
123443	200CD	229-43132	1	207.00	
WIDE RANGE OSCILLATOR,HEWLETT					WI
123444	200CD	229-43063	1	207.00	
WIDE RANGE OSCILLATOR,HEWLETT					WI
102238	260	NONE	1	43.00	
VOLT OHM METER, SIMPSON					WI
100688	28-380	CR519	1	369.00	
BAND SAW, ROCKWELL					WI
151166	28J53	J9372-63	1	251.00	
DRAFTING TABLE, HAMILTON					WI

INDUSTRIAL PROPERTY ACCOUNT

NAS1-14950 (F)

TEST EQUIPMENT . WALLOPS FLIGHT CENTER

PART NUMBER DESCRIPTION	IDENT. / TAG NO.	SERIAL NUMBER	UNIT COST
23-003508-1 VERTICAL SENSOR	2834	1	1000.00
321-00043-1 T/M TEST POINT BOX, VMSC	2280	4	1500.00
321-00044-1 IRP TEST POINT BOX, LTV	1-1295-340	8	1500.00
321-00075-3 SHORTING CONNECTOR SET, VMSC	2304	6	700.00
321-00078-1 -E- SEC SIM TEST BATTRY, VMSC	2202	3	150.00
321-00182-1 PVE FILTER SIMULATOR, VMSC	123554	6	1000.00
321-00201-1 GUIDANCE TEST SET, VMSC	123419	2	45000.00
321-60616-1 PUMPING UNIT H202, VMSC	2078	1	19000.00
326-00063-1 INTERVALOMETER SIM T/S, VMSC	123400	2	8000.00
326-00073-1 IGN. SIMULATOR, VMSC	123401	2	6000 00
326-00093-1 CONTACTOR BOX, VMSC	2217	2	300.00
326-00123-1 DEST. RECEIVER TEST SET, VMSC	123439	2	15000.00
326-00133-1 HYD. CONT. T/S, VMSC	123449	3	20000.00
326-00135-1 TERM . BLDG. RRI-J.B 4,VMSC	2073	2	300 00
326-00153-1 FLT. READINESS T/S, VMSC	123447	2	20000.00
326-00744-1 RECORDER RACK NO. 17,VMSC	123496	NONE	268.00
331-01050-1 UNIT 1 VELOCITY CON.CONSOLE	2001	1	19000.00
331-01100-1 GUIDANCE UNIT NO.2, VMSC	2002	1	31000 00
331-01150-1 CONTROL UNIT NO.3, VMSC	2003	1	19200.00
331-01200-1 LAUNCHER CONTROL NO.4, VMSC	2004	1	5500.00
331-01461-1 RECORDER, BRISTOL	123527	63A8988	1107.00

SOP CROSS REFERENCE INDEX

PART NUMBER	DESCRIPTION	PROCED	TK	STP	L	FIG
#103	CEMENT, WHITE RUBBER, BEST TEST	1-4			MR	4-126
321-00091-1	TEST SET, VSWR	2-6-1			RF	
331-05510	TEST SET,DIGITAL ORDNANCE	2-6-11			RF	
SRL40-6	POWER SUPPLY, RB TEST SET	2-6-14	A		DS	
SRL40-12	POWER SUPPLY, T/M TEST SET	2-6-14	C		DS	
20	POWER SUPPLY, T/M TEST SET	2-6-14	D		DS	
TR5A	POWER SUPPLY, T/M TEST SET	2-6-14	E		DS	
SRL40-12	POWER SUPPLY, GUID TEST SET	2-6-14	F		DS	
SRL60-17	POWER SUPPLY, GUID TEST SET	2-6-14	G		DS	
101T-796	POWER SUPPLY, GUID TEST SET	2-6-14	H		DS	
SRL40-6	POWER SUPPLY, C&E TEST SET	2-6-14	J		DS	
VLCP20-10	POWER SUPPLY, C&E TEST SET	2-6-14	K		DS	
SRL40-6	POWER SUPPLY, FRC TEST SET	2-6-14	L		DS	
SRL40-6	POWER SUPPLY, HYDRAULIC TEST SET	2-6-14	M		DS	
101T	POWER SUPPLY, HYDRAULIC TEST SET	2-6-14	N		DS	
	KIT, TORQUE TEST	2-6-18			ER	
	PRESSURE TESTER, DEAD WEIGHT	2-6-18			ER	
	BATTERY LOAD TEST RACK	2-6-19			ER	
LD601706	LOAD TEST CABLE	2-6-19			ER	
321-00077	BATTERY, TEST, D SECTION	2-6-19			RF	
321-00078	BATTERY, TEST, SEPARATION SYSTEM	2-6-19			RF	
LD601706	CABLE, BATT TEST	2-6-19			RF	
331-50141-1	TEST CABLE	2-6-19	E	2		
331-39901	VEHICLE TEST CONFIGURATION	2-6-2			RF	
321-00201-1	TEST SET, GUIDANCE	2-6-2	A	1		
326-00123-1	TEST SET, DESTRUCT RECEIVER	2-6-2	A	1		
326-00133-1	TEST SET, HYDRAULIC CONTROL	2-6-2	A	1		
331-05020-1	TEST SET, RADAR BEACON	2-6-2	A	1		
331-05100-1	TEST SET, TELEMETRY	2-6-2	A	1		
331-05250-1	TEST SET, C AND E	2-6-2	A	1		
331-06010-1	TEST SET, TELESPONDER	2-6-2	A	1		
331-39901	VEHICLE TEST CONFIGURATION	2-6-2	B	2		
HP618B	SIGNAL GENERATOR, TEST SET	2-6-2	C	32		
326-00123-1	TEST SET, DESTRUCT RCVR	2-6-2	D		DS	
401-30054-2	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	D	1		
401-30054-2	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	D	10		
401-30032-5	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	E	4		
401-30053-1	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	F	1		
401-30053-1	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	F	5		
401-30032-4	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	G	1		
401-30032-4	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	G	12		
321-00070-11	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	H			1
331-39886-8	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	H			1
331-39989-1	CABLES ASSY, GUID SYS BENCH TEST	2-6-30	I	1		1
331-39990-1	CABLE ASSY, GUID SYS BENCH TEST	2-6-30	I	1		1
401-30033-5	CABLE ASSY, C&E BENCH TEST	2-6-30	J	2		
401-30033-5	CABLE ASSY, C&E BENCH TEST	2-6-30	J	7		
401-30024-1	CABLE ASSY, DEST RCVR BENCH TEST	2-6-30	K	1		
401-30024-1	CABLE ASSY, DEST RCVR BENCH TEST	2-6-30	K	6		
401-30025-1	CABLE ASSY, HYDRAULIC BENCH TEST	2-6-30	L	12		
401-30028-1	CABLE ASSY, BASE A BENCH TEST	2-6-30	L	12		

SCOUT ALPHA NUMERIC INDEX

DRAWING NO	SHEET #	REV	NOMENCLATURE	EOTYPE/#	FROM	THRU	CODE
23 000026	01	V	STRUCT ASSY TRANS LWR B	R 51395	0192	SUB	0
	01	V	STRUCT ASSY TRANS LWR B	D 37693	0208	0212	0
	01	V	STRUCT ASSY TRANS LWR B	C 52357	0199	SUB	0
	01	V	STRUCT ASSY TRANS LWR B	C 55021	0218	SUB	0
	02	V	STRUCT ASSY TRANS LWR B	R 51395	0192	SUB	0
	03	V	STRUCT ASSY TRANS LWR B	R 51395	0192	SUB	0
	04	U	STRUCT ASSY TRANS LWR B	R 36559	0192	SUB	0
23 000027	01	G	DIAPHR ASSY TRANS SECT B	R 51395	0192	SUB	0
23 000039	01	E	ADAPT RNG ASSY 2ND STEP TRAN B	R 50775	0192	SUB	0
23 000040	01	E	ADAPT RING ASSY SECT C LWR	R 51394	0192	SUB	0
23 000044	01	F	SEAL INSTL BASE SECT A	R 51395	0192	SUB	0
23 000056	01	E	DOOR INSTL 4TH STAGE H/S	R 51395	A023	A074	1
	01	E	DOOR INSTL 4TH STAGE H/S	R 51395	A400	SUB	2
23 000063	01	G	ANTENNA INSTL TRANS SECT D	R 30976	0192	SUB	0
	02	NC	ANTENNA INSTL TRANS SECT D	R 11161	0192	SUB	0
23 000067	01	U	STRUCT INSTL TRANS SECT D	R 51724	0192	SUB	0
	02	U	STRUCT INSTL TRANS SECT D	R 51724	0192	SUB	0
	03	S	STRUCT INSTL TRANS SECT D	R 50603	0192	TST	0
	04	T	STRUCT INSTL TRANS SECT D	R 51362	0192	SUB	0
	05	T	STRUCT INSTL TRANS SECT D	R 51362	0192	SUB	0
	07	R	STRUCT INSTL TRANS SECT D	R 37467	0192	SUB	0
	08	T	STRUCT INSTL TRANS SECT D	R 51362	0192	SUB	0
23 000208	01	C	CLAMP NOSE SECT STA 103.69	R 51389	A501	SUB	3
	01	C	CLAMP NOSE SECT STA 103.69	R 51389	A400	SUB	2
	01	C	CLAMP NOSE SECT STA 103.69	R 51389	A023	SUB	1
23 000210	01	B	LINK,TOGGLE CLAMP INST HT SHLD	R 25121	A023	A074	1
	01	B	LINK,TOGGLE CLAMP INST HT SHLD	R 25121	A400	SUB	2
23 000212	01	D	CAM,TOGGLE CLAMP INST HT SHLD	R 25926	A023	A074	1
	01	D	CAM,TOGGLE CLAMP INST HT SHLD	R 25926	A400	SUB	2
23 000213	01	B	EYE BOLT CLAMP INST HEATSHIELD	R 51396	A023	A074	1
	01	B	EYE BOLT CLAMP INST HEATSHIELD	R 51396	A400	SUB	2
23 000214	01	D	PIN CLAMP INSTL 4TH ST HT SHLD	R 25121	A023	A074	1
	01	D	PIN CLAMP INSTL 4TH ST HT SHLD	R 25121	A400	SUB	2
23 004525	01	NC	SEPARATION CLAMP ASSY E SEC 200	R 51409	E211	E212	5
321 00031	01	A	JIG PLUMBING HYD TEST SET	R 162.266	GSE		12
321 00041	01	A	BEHLMAN INVERTRON MOD T/S	R 162.259	GSE		12
321 00042	01	A	ISOLATION PANEL GUID T/S	R 08658	GSE		12
	02	NC	ISOLATION PANEL GUID T/S	R 162.167	GSE		12

SCOUT ALPHA NUMERIC INDEX

DRAWING NO	SHEET #	REV	NOMENCLATURE	EOTYPE/#	FROM	THRU	CODE
23 003467	01	D	ADAPT ASSY FINAL MACH TRANS E	R 50755	E042	E054	4
	01	D	ADAPT ASSY FINAL MACH TRANS E	D 51289A	E028	E051	4
23 004116	01	C	ADAPT ASSY INCREASED P/L E SECT	R 51012	0192	SUB	0
	02	B	ADAPT ASSY INCREASED P/L E SECT	R 51409	E211	E212	5
23 004157	01	A	ADAPT MTG VIB MEAS ALGOL III	R 50763	0206	0206	0
	01	A	ADAPT MTG VIB MEAS ALGOL III	R 50763	0208	0208	0
23 004550	01	A	MOD INSTL ADAPT INSTL SM DL P/L	C 51739	0206	0206	0
	01	A	MOD INSTL ADAPT INSTL SM DL P/L	C 51739	E212	E212	5
	01	A	MOD INSTL ADAPT INSTL SM DL P/L	C 51628	0206	0206	0
	01	A	MOD INSTL ADAPT INSTL SM DL P/L	C 51628	E212	E212	5
23 004514	01	D	MOD INSTL ANTARES III	R 51734	MOD	KIT	9
	01	D	MOD INSTL ANTARES III	C 55004	0206	0206	0
	01	D	MOD INSTL ANTARES III	C 55004	0208	0208	0
	02	D	MOD INSTL ANTARES III	R 51734	MOD	KIT	9
	03	C	MOD INSTL ANTARES III	R 51440	MOD	KIT	9
23 004596	01	NC	MOD INSTL PH VII TO PH VIII	R 52232	0199	0199	0
	01	NC	MOD INSTL PH VII TO PH VIII	R 52232	0204	0204	0
	01	NC	MOD INSTL PH VII TO PH VIII	R 52232	0205	0205	0
	01	NC	MOD INSTL PH VII TO PH VIII	R 52232	0207	0207	0
	01	NC	MOD INSTL PH VII TO PH VIII	C 51610	0199	0199	0
	01	NC	MOD INSTL PH VII TO PH VIII	C 51610	0204	0204	0
	01	NC	MOD INSTL PH VII TO PH VIII	C 51610	0205	0205	0
	01	NC	MOD INSTL PH VII TO PH VIII	C 51610	0207	0207	0
401 30044	01	M	PWR CHANGEOVER PNL,GUID T/S	R 39098	GSE		12
	02	L	PWR CHANGEOVER PNL,GUID T/S	R 22791	GSE		12
	03	L	PWR CHANGEOVER PNL,GUID T/S	R 22791	GSE		12
	04	L	PWR CHANGEOVER PNL,GUID T/S	R 22791	GSE		12
23 003824	01	B	TM PKG INST LIGHTWT LWR D	R 51727	0192	SUB	0
	01	B	TM PKG INST LIGHTWT LWR D	D 52222	0210	SUB	0
	01	B	TM PKG INST LIGHTWT LWR D	D 52222	SPRS		9
	01	B	TM PKG INST LIGHTWT LWR D	D 52235	0212	SUB	0
	01	B	TM PKG INST LIGHTWT LWR D	D 52235	SPRS		9
23 003825	01	A	TRANSMITTER INST TLM SYS LWR D	R 50757	0199	0207	0
23 003760	01	D	UNIT ASSY ROLL AND YAW COMP	R 51732	0192	SUB	0
	01	D	UNIT ASSY ROLL AND YAW COMP	D 51651A	0204	0204	0
	01	D	UNIT ASSY ROLL AND YAW COMP	D 51651A	0211	0211	0
	02	C	UNIT ASSY ROLL AND YAW COMP	R 39860	0192	SUB	0
23 002517	01/04	H	UNIT,LATCH EJECT JETT SYS 34 HS	R 51399	A023	SUB	1
	01	H	UNIT,LATCH EJECT JETT SYS 34 HS	R 51399	A400	SUB	2
	01	H	UNIT,LATCH EJECT JETT SYS 34 HS	C 37694	A407	SUB	2
	01	H	UNIT,LATCH EJECT JETT SYS 34 HS	R 51399	A501	SUB	3
	01	H	UNIT,LATCH EJECT JETT SYS 34 HS	C 37694	A508	SUB	3
	01	H	UNIT,LATCH EJECT JETT SYS 34 HS	C 37694	A075	SUB	1

SCOUT NUMERICAL INDEX OF ACTIVE SPECIFICATIONS

SPEC. NO.	REV.	AMD	TITLE
204-23-003			AIR CONDITIONING UNIT H/S ENVIRON. CONTROL
204-23-004	A	01	CUTTER ASSEMBLY, BOLT, PROCUREMENT SPEC DEVIATION NO. 1
204-23-005		01	CARTRIDGE, EXPLOSIVE, PROCUREMENT SPEC DEVIATION NO. 1
204-23-009		01	N CHNL MOS FLD EFFECT TRANS
205-23-005	A		RATE GYRO ACCEPTANCE TEST SPECIFICATION
205-23-007	B		FITTING PLUG HD CAP PRESS ACCEPT TEST SPEC
205-23-008	C		TEST SET GUIDANCE PPT
205-23-009		01	RELAY BOX ASSY, AIR COND CONTROL, ACCEPT TEST SPEC FOR
205-23-010			PANEL ASSY, P/L ENVIRONMENT CONTROL, ACCEPT TEST SPEC FOR
205-23-013		02	CUTTER ASSY, BOLT, ACCEPT TEST SPEC
207-10-408	a		LUBRICANT, SOLID FILM, CORROSION-INHIBITING
304-642	B	01	TRANSDUCERS, PRESSURE, SCREW-IN TYPE
304-643	C	02	ACCELEROMETER, LINEAR, TELEMETRY FOURTH STAGE
304-662	A	04	INITIATOR, STANDARD APOLLO DOUBLE BRIDGEWIRE
304-663	A		SPIN MOTOR, 1 KS 75, SOLID PROPELLANT
304-664	B		SPIN MOTOR, 1 KS 40, SOLID PROPELLANT
304-686	A	02	SWITCH, ELECTRICAL, PLUNGER ACTUATED, SEALED
304-687	A	04	RELAY, ELECTROMAGNETIC
304-697			ELEMENT, VERTICAL SENSING
304-732	A	02	EXPLOSIVE CARTRIDGE
304-741	A	01	ANTENNA SYSTEM, C-BAND
304-742	A	02	ANTENNA SYSTEM, TELEMETRY

1) MARK UP NUMBER : 999-9
2) CR NUMBER(S) : DAL8888
WI 7777
3) COMMENTS : TEST ENTRY FOR APPENDIX SAMPLE
4) DATE OUT : 7-15-85
5) DATE IN : 7-20-85
6) LTV TWX : S-1111
7) SPO TWX : OPEN
8) PROCEDURE / ENGINEER : 444 RLD/KFT

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N E W M A R K U P R E C O R D MON, JUL 15 1985

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MARK UP FILE

CONTROL NO. M	C / R NUMBER	SOP NO. FOR EACH SOP NUMBER	RESPONSIBLE ENGINEER(S)	DATE IN	DATE OUT	LTV TWX NUMBER	NASA TWX NUMBER	COMMENTS
1173-4	R- 268	220	EEH/JFD	2-25-82	3- 3-82	3T-025	S-6508/CWW	OK
1229	DAL 3065	264	EEH/KFT	10- 7-82	10- 9-82	3T-025	S-6508/CWW	OK
1236	PA 2512	2625	EEH/JFD	11-30-82	11-30-82	3T-025	S-6508/CWW	OK
1239	DAL3084C	268	EEH/RLD/KFT	3- 8-83	3- 7-83	3T-026	S-6528/CWW	OK VOL II 3T-025 S-6508/CWW (COMMENTS CONTINUED): OK VOL VI & VII 3T-026 S-6528/CWW
		636	RLD/KFT					
		710	DMF/JFD/RLD/KFT/EEH/CWW/RLR					
1241	DAL 3098	262	EEH/JFD	1-18-83	1-20-83	3T-025	S-6508/CWW	OK WITH COMMENTS. E-TASK
1241-1	DAL 3099	2630	EEH/JFD	1-18-83	1-21-83	3T-025	S-6508/CWW	OK E-TASK
1241-2	DAL 3102	2611	EEH/JFD	3- 8-83	3-10-83	3T-025	S-6508/CWW	OK WITH COMMENTS
		250	EEH/JFD					
1241-3	DAL3103A	2639	EEH/RLD/KFT	3- 8-83	3-10-83	3T-025	S-6508/CWW	OK WITH COMMENTS
1241-4	DAL 3104	2613	EEH/JFD	3- 2-83	3- 2-83	3T-025	S-6508/CWW	OK
1256	DAL3091A	262	EEH/JFD	4-13-83	4-15-83	3T-055	S-6595/CWW	OK VOL VI 3T-026 S-6528/CWW
		2625	EEH/JFD					
		622	EEH/KFT					
		631	EEH/KFT					
1283	WI 2491A	269	EEH/RLD/KFT	6- 6-83	6- 8-83	3T-073	S-6684/CWW	OK VOL II 3T-055 S-6595/CWW
		2640	EEH/DMR					
		622	EEH/KFT					

SCOUT PROJECT OFFICE :: MARK UP FILE

SOP NUMBER	RESPONSIBLE ENGINEERS
100	CWW
210	CWW
220	EEH/JFD
230	EEH/JFD/KFT
240	EEH/CWW
250	EEH/JFD
261	EEH/JFD
2610	EEH/RLD/KFT
2611	EEH/JFD
2612	EEH/KFT
2613	EEH/JFD
2614	EEH/JFD
2615	EEH/JFD
2616	EEH/KFT
2617	EEH/RLD/KFT
2618	EEH/RLD/KFT
2619	EEH/JFD
262	EEH/JFD
2620	EEH/KFT
2625	EEH/JFD
2626	EEH/JFD
2627	EEH/KFT
2628	EEH/KFT
2629	EEH/KFT
263	EEH/JFD
2630	EEH/JFD
2632	EEH/DMR
2633	EEH/KFT
2634	EEH/KFT
2635	EEH/KFT
2636	EEH/KFT
2637	EEH/KFT
2638	EEH/KFT
2639	EEH/RLD/KFT
264	EEH/KFT
2640	EEH/DMR
2641	EEH/DMR
266	EEH/RLD/KFT
267	EEH/RLD/KFT
268	EEH/RLD/KFT
269	EEH/RLD/KFT
310	FPK/KFT
320	FPK/KFT
330	FPK/KFT - (FDC)
381	DMF/DMR/FPK/KFT/JDD
383	DMF/DMR/FPK/KFT/JDD
421	DMF/JFD
4210	EEH/DMR
4211	EEH/KFT

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DAILY WORK ITEMS FILE REPORT

DWI NO.	ORIG. DATE / INPUT DATE	ENGINEER / LOCATION	SYS-TEMS	TITLE / REFERENCE(S)			
1952	12/13/1983	SCHMIDT	MECH	FABRICATION OF SHOP AID FOR USE DURING HEADCAP PRESSURE TEST			
	12/22/1983	VAFB	MGSE	DRAWING:	E.O.:	CCR:	OTHER:
1952	12/13/1983	M.P. SCHMIDT	MECH	FABRICATION OF SHOP AID FOR USE DURING HEADCAP PRESSURE TEST			
	10/31/1984	VAFB	FLUID	DRAWING:	E.O.:	CCR:	OTHER:
2114	1/17/1984	PARKS	ELEC	INSULATION RESISTANCE CHECKS,FOLLOWUP TO LAUNCHER WIRING INVESTIGATION			
	1/23/1984	WFC	EGSE	DRAWING:331-60432	E.O.:	CCR:	OTHER:DWI 2096,2099
2119	1/26/1984	PARKS	ELEC	TERMINAL BUILDING/BLOCKHOUSE WIRING CORRECTIONS AND IMPROVEMENTS			
	1/27/1984	WFC	EGSE	DRAWING.331-00003	E.O.:	CCR:	OTHER:331-00021,23,25
2153	2/12/1985	R. PARKS	EGSE	LAUNCHER WIRING SAMPLES - INSULATION ANALYSIS			
	2/12/1985	WFC		DRAWING:DWI-2096, 2098,	E.O..WI 3508, 2509	CCR:	OTHER:WI-2518, 1521A

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SCOUT LAUNCH SIGN-IN SHEET

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GOFF , SHARON D. IBM		
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SIMPSON , ROBERT P. DESIGNWORKS		

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