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Interactive Productivity Facility: VSE Feature Reference Manual

Program Product

Release 4.0

Program Number 5748-MS1

The Interactive Productivity Facility is a tool designed to assist in the management and use of computer systems. This manual provides detail reference information which you may need when using this product in a VSE or a VM/VSE environment. Of special interest is the information on problem determination and methods you can use to bypass problems. Also, the Interactive Productivity Facility dialogs are discussed in detail.

First Edition (September 1981)

This edition applies to Release 4, Modification Level 0, of the program product Interactive Productivity Facility (5748-MS1) and to all subsequent versions, releases and modifications until otherwise indicated in new editions or Technical Newsletters.

Changes are continually made to the information herein. Therefore, before using this publication, consult your System/370 Bibliography (GC20-0370) for the editions that are applicable and current.

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PREFACE

This publication is a reference to the Interactive Productivity Facility and the facilities available through its use. It includes specific information that you may require as you use the Interactive Productivity Facility.

It discusses primarily the VSE implementation of the Interactive Productivity Facility, but also includes information about the differences between the VSE implementation and the VM/VSE implementation. Information for users of the VM/VSE Feature is highlighted as follows:

[VM/VSE FEATURE NOTE]

For more information on the VM/VSE Feature, refer to the VM/VSE Feature Program Directory, the Interactive Productivity Facility VSE Feature User's Guide, and the VSE System IPO/E Planning Guide, and to the VM/SP System IPO/E documents listed below.

CONTENT

This publication consists of four sections:

Section 1 - Debugging Information discusses steps to take in problem determination should an Interactive Productivity Facility dialog fail. It also lists, with their meanings, error codes and abend codes that might be encountered when running Interactive Productivity Facility dialogs.

Section 2 - Dialog Descriptions describes at a detailed level the dialogs of the Interactive Productivity Facility.

Section 3 - User Options Files explains how the initialization tables are used and contains listings of the tables.

Section 4 - SUBVSE Requirements discusses the virtual machines and the SUB$VSET DTRTABLE that are shipped with the VM/VSE Feature of the Interactive Productivity Facility.

This publication also includes three appendixes.

Appendix A - Service Library Full Problems discusses the problem of a full service library and the methods you can use to bypass this problem.

Appendix B - Debugging ABEND DM09 discusses the methods you can use to debug ABEND DM09 under VSE/ICCF.

Appendix C - Security and the Interactive Productivity Facility discusses the methods you can use to increase security of the Interactive Productivity Facility.

PREREQUISITE KNOWLEDGE

You should have a basic understanding of the Interactive Productivity Facility as can be acquired from the Interactive Productivity Facility VSE Feature User's Guide listed below.

If you are using VSE/ICCF, you should have a basic understanding of VSE/ICCF since the Interactive Productivity Facility operates under the control of VSE/ICCF. If you are running Interactive Productivity Facility under VM/CMS, you should have a basic understanding of VM/CMS. Refer to the VM/SP documents listed below.

RELATED READING

Listed below are the form numbers and titles of publications to which you can refer for more information.

Interactive Productivity Facility (5748-MS1)

GH20-2492 VSE Feature General Information Manual
GH20-5527 Programming Specifications
GX20-2383 VSE Feature Reference Summary
SH20-5526 VSE Feature User's Guide
SX20-2346 Program Function Key Template for 3277
SX20-2355 Program Function Key Template for 3276/3278
none VM Feature User's Guide

VSE System IPO/E (5750-AAA, 5750-AAB, 5750-AAC)

GC20-1935 General Information Manual
GC20-1936 Planning Guide
GC20-1933 User's Guide
none VM/VSE Feature Guide
none IPO/E Program Directory
none IPO/E Reference Guide
none IPO/E Communication Guide

VSE/ICCF (5746-TS1)

GC33-6065 Specifications
GC33-6066 General Information
GX33-9006 Reference Summary Card
SC33-6067 Installation and Operations Reference
SC33-6068 Terminal User's Guide
SC33-6069 Messages

VM/SP System IPO/E (5750-AAK)

GC20-1890 General Information Manual
GC20-1874 Planning Guide
none Program Directory

CONTENTS

FIGURES

SECTION 1 - DEBUGGING INFORMATION

[VM/VSE FEATURE NOTE] In the VM/VSE environment, all members used by the Interactive Productivity Facility such as panels, tables, skeletons and function routines reside in VM/CMS files. The dialog manager runs under VM/CMS and logs the errors to the VM/CMS file. The VM/VSE Feature user should refer to the section 'Interactive Productivity Facility Errors' in the Interactive Productivity Facility VM Feature User's Guide for debugging information.

PROBLEM DETERMINATION

If an Interactive Productivity Facility dialog should fail, there are some steps you can take to aid in problem determination. The first thing to do is to carefully record everything you entered on the screen, any message that appeared on the screen, the name of the panel being displayed, and the menu selection that invoked the function currently being executed. The name of the panel can be found in the upper righthand corner. It is in the form XXX$YYY, where XXX is three alphabetic characters and YYY is zero to three alphanumeric characters. Save this information. You may need it later.

If you have a failure that creates an error log entry or abend condition, the failure is obvious when it happens. However, it is possible that a dialog may appear to complete successfully but not produce the correct output. There is one such condition that you can and should correct. That is the case when VSE/ICCF is abnormally terminated or canceled while a dialog is still running. When this termination takes place under VSE/ICCF while the Interactive Productivity Facility is in the process of updating a file, the VSE/ICCF "update in progress" indicator is left set on. If this should occur, the dialog will appear to complete successfully, but no output will be written in your library. If this happens, use the VSE/ICCF /PROTECT command to reset the indicator. The error log record will contain the name of the member that needs to be reset, even though no message was sent to indicate that the error log was written.

This type of condition can occur only if VSE/ICCF is terminated abnormally. If VSE/ICCF is terminated normally, this situation will not occur. If incorrect or incomplete output is produced under any other condition, you should report the problem to the IBM Support Center.

If a message appears telling you that an error had been logged, you should next look in the error log. You will note that the error log will tell you what happened, but not why.

ERROR LOG RECORD

When an Interactive Productivity Facility service routine returns to the dialog manager, the dialog manager checks for an error return code. If there is an error, the dialog manager logs the error and returns to the dialog with a return code of 999.

If such an error occurs, you will receive the following message on your terminal:

ABEND. REFER TO ERROR LOG RECORD DESCRIBED IN REFERENCE MANUAL.

and a file will be created on your VSE/ICCF user library containing information about the error. The name of the file is DTR$ELOG. The error information contained in this file should be used to diagnose the problem.

Note: In previous versions of the Interactive Productivity Facility the error message shown above was displayed with the text

ERROR HAS BEEN LOGGED WHILE EXECUTING A FUNCTION.

or

FUNCTION ABENDED. REFER TO ERROR LOG RECORD DESCRIBED IN USER'S GUIDE.

When you terminate the Interactive Productivity Facility, the current contents of DTR$ELOG will be added to the member IPFLOG in your VSE/ICCF library. You will also have the opportunity to review debugging information concerning any errors logged during the last session. Each time the Interactive Productivity Facility dialog manager is initialized, the DTR$ELOG from any previous session is purged. Errors from previous sessions are stored in IPFLOG. You should review the contents of IPFLOG occasionally and purge the member when it is no longer required.

The record written to the error log is taken from the user communications area (UCA) of the dialog manager. This record is set up by the service manager on each call from a dialog, and contains:

- The name of the service currently executing
- The name of the dialog invoking the service manager
- The line number in the dialog corresponding to the call

At the time an error occurs, the following information is added to the error log:

- The name of the routine logging the error
- A unique code describing the error

If the error involves a disk I/O operation, the name of the file in question is also logged.

The following is a full description of the format and contents of the error log:

FIELD DESCRIPTION	RCD POS	FIELD NAME
NAME OF CURRENT SERVICE	1-8	UCASERV
NAME OF INVOKING FUNCTION	10-17	UCAFUNCT
LINE NUMBER OF INVOKING FUNCTION	18-21	UCAERLNO
NAME OF ROUTINE DETECTING ERROR	23-30	UCAERRTN
ERROR CODE UNIQUE TO DIALOG MANAGER	32-35	UCAERCD
CURRENT LINE NUMBER OF DISPLAY PANEL	37-38	UCAERCL
CURRENT COLUMN NUMBER OF DISPLAY PANEL	40-41	UCAERCC
VARIABLE VALUE FROM DISPLAY PANEL	43-50	UCAERVV
CURRENT RECORD NUMBER OF FILE IN ERROR	51-54	UCAERCR
ERROR CODE OF INTERACTIVE SUBSYSTEM	56-59	UCAERSYS
FILE NAME OF FILE IN ERROR	61-68	UCAERFN
FILE TYPE OF FILE IN ERROR	70-77	UCAERFT
FILE MODE IF CMS IMPLEMENTATION	79-80	UCAERFM

Figure 1. Error log record format

If you enter the debugging session at Interactive Productivity Facility termination, the information above will be displayed on your screen, along with the IPFLOG (positioned at the last session errors) and a file containing all Interactive Productivity Facility error codes (positioned at the first error that occurred).

ABEND CONDITIONS

Certain errors cause the dialog manager to terminate itself rather than return to the dialog. This action is taken only if continued

operation is impossible. If a dialog abends, you will have to address the problem in a slightly different manner from a logged error. In the case of an abend, you may or may not have an error log entry depending on what caused the failure. If the abend was accompanied by an Interactive Productivity Facility abend code in the form DMnn, then the abend was controlled (i.e., the CANCEL macro was issued), and an attempt was made to write the error log. The abend code DMnn will appear as a one-line message on an unformatted VSE/ICCF screen. If the abend was uncontrolled, or a controlled abend was unable to write the error log, no error log record is available to help you.

If the Interactive Productivity Facility was unable to write the error log, you may still find the error log record it was attempting to write by looking in the dump. The record can be found x'F8' bytes into the user control area (UCA). Register 10 should be pointing to the UCA.

Where there is no error log or the UCA has been damaged, or the contents of register 10 have been lost, debugging must proceed as with any other program. The first step is to identify the failing component.

The Interactive Productivity Facility is made up of a dialog manager and a number of accompanying function routines. The dialog manager is always present in storage. The function routine involved is determined by what was selected from the last menu panel before the failure. When an item from a menu is selected, the dialog manager either displays another menu or loads a function routine and branches to it. If the failure occurred while a function routine was active, both the function routine and the dialog manager will be in storage.

All working storage is allocated dynamically. All program storage is static. If the dialog manager attempts to load a function routine that is too large to fit into the statically allocated program storage the Interactive Productivity Facility will abend with a code of DM02. The VSE System IPO/E system has set the static storage allocation so that it is large enough to hold any Interactive Productivity Facility function routine. This allocation is determined by the /OPTION statement in the VSE/ICCF procedure IPFPROC. If a function routine is made larger for any reason (service for example) it is possible that the static limit will be exceeded. If this occurs, the limit must be raised. Normally, you will be notified via the appropriate service documentation if this change needs to be made.

The dynamic storage requirement, however, is a function of the use being made of the Interactive Productivity Facility and the sizes of the internal tables being handled by the function routine. If the dynamic storage limit is exceeded, the Interactive Productivity Facility may or may not abend depending on the conditions under which the attempt to get more storage failed. In most cases, this error will be logged. Some cases, however, will result in an abend code DM02. This happens when the dialog manager cannot proceed without

more storage. If this occurs, you will have to give the dialog manager more storage.

Since most dialogs result in one or more members being expanded or added to the library, there is always the possibility that you will run out of library or directory space. If this happens the dialog manager will abend with a code of DM08. In this case you must either delete something in the library, run a backup/restore, or allocate more space. If you run out of space shortly after your last backup/restore, you should start planning to allocate more space.

If you do encounter an abend condition, take the following action before calling the IBM Support Center:

- Record all the information you can.
  - The name of the dialog you were running
  - The name of the last panel that appeared (if you know it)
  - The abend code
  - Any other information that appears on the screen
- Try to save something in your library to make sure your library or directory isn't full. If not:
  - Record the contents of the error log, if any.
  - List the procedure IPFPROC and record the contents of the /OPTION statement.
- From the VSE System IPO/E system console, execute the /MAP command and record the pseudopartition information displayed. record the pseudo partition information displayed.

Figure 2. Suggested abend condition action

If there is no error log record, you will need a dump. You can specify that you want a dump in the /OPTION statement in IPFPROC. Add ,DUMP after the last parameter already or the /OPTION statement. The next abend will produce a dump on your VSE/ICCF terminal. If you want to save the dump, you may do so with the SAVE command of the VSE/ICCF dump program. If you use this command, remember to put in some identifier information so that you can locate the dump later. Use the VSE DOSVSDMP utility program to print the dump.

I+ is very important that you have as much information as possible about your problem before calling the IBM Support Center. The more information you are able to give them, the sooner they will be able to respond to your problem.

INTERACTIVE PRODUCTIVITY FACILITY ERROR CODES

The following error codes may be encountered when running Interactive Productivity Facility dialogs. See the Interactive Productivity Facility Program Logic Microfiche (LYB0-2579) for more detailed information.

[VM/VSE FEATURE NOTE] Codes CLnn, IOnn, and SCnn will not occur in the VM/VSE environment because they are caused by errors in communicating with VSE/ICCF.

Interactive Productivity Facility Error Codes (VSE Feature)

CL01 Recursive call. Program attempted to call itself.

CL02 Called program was not found.

DP01 Invalid call to display service.

DP02 A panel display request was made, but the panel file, or a valid header record within the panel file, could not be found. The name of the panel file in error is in UCAERFN.

DP04 Error substituting a variable from the function routine into the panel. The variable value in error is in field UCAERVV.

DP05 Error processing synonym table for MOREINFO synonym.

DP06 Error decoding panel.

DP07 Error analyzing panel.

FO01 The page number of the current page of an explain panel is not numeric.

FO02 The page number of the last page of an explain panel is not numeric.

FO03 End of file was detected on the panel file while attempting to read a directions record.

FO04 End of file was detected on the panel file while attempting to reset the current record pointer after a directions record not found condition.

FO05 End of file was detected on the panel file before a full panel could be built.

FO06 The output line created was too long to display on the screen.

FO07 End of file was detected on the panel file while attempting to reset the current record pointer after looking for an explain record.

FO08 The maximum number of menu selection items (16) was exceeded.

FO09 Invalid field structure on light-pen detectable field.

FO10 Syntax violation. First character of high intensity field is blank.

FO11 Variable name in text field is longer that eight characters.

FO12 Syntax violation. Invalid attribute byte.

FO13 The maximum number of data entry fields on a single panel (80) was exceeded.

FO14 The length specification for an EXEC-2 variable was either nonnumeric or less that one or greater than 80. (Actual maximum length is 72 for EXEC-2 variables)

FO15 The length specification for a non-EXEC-2 variable was either nonnumeric or less than one or greater than 8.

FO16 Variable name in a data entry field is longer than eight characters.

FO17 Invalid delimiter found.

FO18 The maximum number of U-entry fields on a single untokenized data entry panel (16) was exceeded.

FO19 The length specification for an EXEC-2 variable was either less than one or greater than 72.

FT02 The output work file has not been initialized with SKEDIT.

FT03 The file specified via SKINCL or)IM control statement does not exist.

FT04)ENDSEL encountered without a corresponding)SEL.

FT05 The generated output record is too long.

FT06 A control statement with an invalid control word has been encountered.

FT07 A control statement with an invalid parameter has been encountered.

FT08 An invalid variable name was encountered.

FT09 More than 3)IM levels encountered.

FT10 More than 8)SEL levels encountered.

FT11 End of input file was detected after an input record with ? in column 72 (i.e., the continuation record is missing).

FT12 A syntax error has been detected in a conditional substitution string.

FT13 An incorrect parameter list was passed to a file tailoring service routine.

FT14 An input file ended in a different)SEL block from the one that existed when the input file began.

FT15 An input file ended in a different)DOT block from the one that existed when the input file began.

FT16)ENDSEL encountered in a different input file from the one in which the corresponding)SEL appeared.

FT17)ENDSEL encountered in a different)DOT block from the one in which the corresponding)SEL appeared.

FT18 More than 4)DOT levels encountered.

FT19)ENDDOT encountered without a corresponding)DOT.

FT20)ENDDOT encountered in a different)IM file from the one in which the corresponding)DOT occurred.

FT21)ENDDOT encountered in a different)SEL block from the one in which the corresponding)DOT occurred.

FT22 Table specified in)DOT statement does not exist.

FT23 Invalid relational operator encountered in)SEL statement.

FT24 Invalid boolean operator encountered in)SEL statement.

FT25 Invalid operator encountered in)SET statement.

FT26 An attempt has been made, via the)DOT statement, to process a table that is already being processed via a)DOT statement with no intervening)ENDDOT.

GV01 Variable not found in function routine.

IO01 Command list ABEND. The file is closed, and the dialog manager is terminated.

IO02 File not open.

IO03 A READ request was issued for an update file that has not been created yet; or a WRITE request was issued for a file that was opened for input only. In either case, the file is closed.

IO04 Invalid file name.

IO05 A WRITE request, other than a sequential WRITE request, was issued. The file is closed.

IO06 No free file I/O control blocks available. More storage is needed.

IO08 A WRITE request was issued for a blank output record.

IO10 Library directory is full. The file is closed.

IO11 Library file is full. The file is closed.

IO12 VSE/ICCF "Input full - Input Ignored" condition encountered. The file is closed.

IO13 VSE/ICCF "Input Ignored" condition encountered. The file is closed.

IO14 VSE/ICCF "Update in Progress" condition encountered. The file is closed.

IO15 VSE/ICCF "Invalid User Access" condition encountered. The file is closed.

IO99 Catastrophic error. The file is closed, and the dialog manager is terminated.

LE01 Invalid calling sequence.

MG01 Invalid calling sequence to SETMSG routine.

MG02 Message file does not exist.

MG03 Message record does not exist.

MG04 Completed message more than 70 characters.

MG05 Message record read is invalid.

MG06 Unrecoverable logic error in SETMSG routine.

MN01 Invalid calling sequence to SETMENU service.

OP01 Error encountered while processing the options file. The record number in error is in field UCAERCR. The dialog manager is terminated.

OP02 Input file for TEST option was not found. The dialog manager is terminated.

OP03 Error encountered reading the initial panel file, or file not found. The dialog manager is terminated.

OP04 DSPTABLE file not found. The dialog manager is terminated.

SC10 Invalid input buffer length.

SC11 GETVIS request failed.

SM01 Invalid call to service manager. Number of parameters exceeded allowable maximum of 18.

SM02 Service requested is not a valid dialog manager service. The invalid service is logged in field UCASERV.

SP01 A special variable was not found in the synonym table. The special variable not found is logged in field UCAERVV. The dialog manager is terminated.

ST01 Error obtaining virtual storage.

SV01 Variable cannot be set. This error can occur in VSE/ICCF if the variable overflow area has been completely used. More storage is needed.

TB01 Twenty tables are already being processed. There is no room to process another one.

TB02 An invalid table name has been passed as a parameter to a table processing service routine.

TB03 An invalid descriptor row was read while preparing a table for processing.

TB04 An invalid data row was read while preparing a table for processing.

TB05 An invalid variable name encountered while processing a table.

TB06 Table does not exist.

TB07 The specified table has not had the TEDIT service issued in order to prepare it for processing.

TB08 An incorrect parameter list was passed to a table processing service routine.

TB10 Invalid descriptor value was specified for TCREATE service.

TB11 Invalid skip parameter specified for TSKIP service.

XX01 Invalid operand in arithmetic statement.

XX02 Result of arithmetic operation is invalid.

XX03 Invalid length or index in SUBSTR request.

XX04 Variable could not be found.

XX05 A function routine could not load module DTSCLPRC or module DTSCLPRP.

INTERACTIVE PRODUCTIVITY FACILITY ABEND CODES

The following codes are not logged in the error log record. They appear as one-line messages on an unformatted VSE/ICCF screen. They do not appear on Interactive Productivity Facility panels.

[VM/VSE FEATURE NOTE] Codes ATnn, DM07, DM08, and DM09 will not occur in the VM/VSE environment because they are caused by errors in communicating with VSE/ICCF.

Interactive Productivity Facility Abend Codes (VSE Feature)

AT01 Initial GETVIS for the FCB failed.

AT02 GETVIS for the initial PCB failed.

AT03 The root phase (first phase to be loaded) was too large for the allocated problem program storage area.

AT04 Insufficient storage to build I/O area for error message. Forces system dump.

AT05 The called phase (phase to be loaded) was too large for allocated problem program storage area.

DM01 Requested service was not initialized, and there is no UCA.

DM02 An error occurred while attempting to log an error.

DM03 An error occurred while attempting to use the system message file.

DM04 An unrecoverable error occurred. Refer to the error log.

DM05 No free storage available for required dialog manager control blocks.

DM06 Unrecoverable logic error occurred.

DM07 The dialog manager could not load module DTSCLPRP.

DM08 The VSE/ICCF library (DTSFILE) is full.

DM09 *Invalid command message received from VSE/ICCF. See Appendix B - Debugging ABEND DM09.

SECTION 2 - DIALOG DESCRIPTIONS

This section describes in detail the dialogs of the Interactive Productivity Facility. The following information is provided for each dialog:

DIALOG:
This is the name of the dialog as contained in the core image library.

DIALOG NAME:
This is the title of the dialog as contained on the menu panel that invokes the dialog.

PREREQUISITE DIALOGS:
This is a list of any Interactive Productivity Facility dialogs that must be run before this one will work correctly.

Note: ADM$FST is required for most Interactive Productivity Facility dialogs and is not listed individually on each dialog description.

DEFAULT JOBNAME CREATED:
This is the name under which the output JCL will be filed in your primary library area.

OTHER VSE/ICCF MEMBERS CREATED:
Some of the Interactive Productivity Facility dialogs create internal members that are filed on your primary library. These members are listed here. If they are in parenthesis, they may or may not be generated, depending on user responses.

[VM/VSE FEATURE NOTE] In the VM/VSE environment, the members listed here are filed on your CMS disk.

DIALOG DESCRIPTION:
This is a description of the dialog function.

JCL DESCRIPTION:
This is a description of the JCL that the dialog produces and what functions it will perform when executed.

Figure 3. Information provided by dialog

The following listings are included to help you find the dialog description you want. The first chart lists the dialogs by descriptive title as you would find it on the menu that invokes the dialog. The second chart lists the dialogs by menu hierarchy. Each chart includes the page number where the dialog description is located.

DIALOGS LISTED BY DESCRIPTIVE TITLE

Dialogs Listed by Descriptive Title

Dialog Title	Dialog Description
Add CICS/VS User	Page 23
Add New Library Set	Page 22
Add Software Product	Page 41
Add Terminal	Page 104
Add VSE/ICCF User	Page 43
Alter Cluster	Page 48
Alter Core Image	Page 73
Alter Relocatable	Page 74
Alter Source	Page 74
Apply Backout PTF	Page 82
Apply Cumulative PTF	Page 80
Apply PTF	Page 78
Apply PUT	Page 84
Apply Selective PUT	Page 91
Archive APAR Fix	Page 70
Archive PTF	Page 71
Assemble/Catalog SNT	Page 37
ASI Procedure Tailoring	Page 100
Backup History File	Page 71
Backup/Restore Library Sets	Page 24
Browse Libraries	Page 25
Catalog Library Members	Page 61
Change CICS/VS User	Page 27
Change VSE/ICCF User	Page 28
CICS Tailoring: Add Data Set	Page 101
CICS Tailoring: Add Program	Page 103
CICS Tailoring: Add Transaction	Page 102
CICS Tailoring: Assemble/Catalog PPT	Page 118
CICS Tailoring: Assemble/Catalog PCT	Page 117
CICS Tailoring: Assemble/Catalog TCT	Page 119
CICS Tailoring: Assemble/Catalog FCT	Page 116

Dialogs Listed by Descriptive Title

Dialogs Listed by Descriptive Title

DIALOGS LISTED BY MENU HIERARCHY

Dialogs Listed by Menu Hierarchy

Menu Hierarchy Information	Dialog Description
System Use (VSE Only)	
Program Development	Page 68
System Management	
System Management Guide	
Administration	
System Administration	
System Profile	
First Time Use	Page 30
I/O Configuration	Page 32
Software Products	Page 42
Add Software Products	Page 41
Create Copy Files	Page 26
Library Information	Page 36
Label Information	Page 35
Logons/Passwords	
Add VSE/ICCF User	Page 43
Delete VSE/ICCF User	Page 30
Change VSE/ICCF User	Page 28
Add CICS/VS User	Page 23
Delete CICS/VS User	Page 29
Change CICS/VS User	Page 27
Assemble/Catalog SNT	Page 37
Librarian	
Display Library Members	Page 65
Delete Library Members	Page 64
Rename Library Members	Page 66
Catalog Library Members	Page 61
Create Libraries	Page 63
Copy/Merge Libraries	Page 62
Backup Library Sets	Page 24

Dialogs Listed by Menu Hierarchy

Menu Hierarchy Information	Dialog Description
Restore Library Sets	Page 24
System Tailoring	
Generate VSE Supervisor Assembly	Page 123
ASI Procedure Tailoring	Page 100
VSE/POWER Tailoring	Page 121
VSE/ICCF Tailoring	Page 33
TTF Tailoring	Page 38
Modify VSE/ICCF Tables	Page 34
Modify Security Table	Page 40
Run Security Reports	Page 39
Dialog Customization	Page 47
Utility Aids	
* Select Job from SYSIN	Page 126
* Print Panels	Page 125
FCB Maintenance	Page 124
Data Base Administration	
VSE/VSAM	
Catalog Management	
Define Catalog	Page 44
Delete Catalog	Page 45
Copy Out Catalog	Page 44
Copy In Catalog	Page 46
Transport Catalog	Page 46
List Catalog	Page 45
Space Management	
Define Space	Page 69
Delete Space	Page 70
Data Set Management	
Define Cluster	Page 50
Delete Cluster	Page 51
Alter Cluster	Page 48
Copy File	Page 49
Export File	Page 52
Import File	Page 53
Print File	Page 53
Verify File	Page 55
Display File	Page 52

* VSE/ICCF users only.

Dialogs Listed by Menu Hierarchy

Dialogs Listed by Menu Hierarchy

DIALOG: ADM$ADD

DIALOG NAME: Add New Library Set

PREREQUISITE DIALOGS: ADM$LBR

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to add a new library set to the administrative tables. A list of the current library sets and their current libraries will be shown and the names of the new library set will be entered in the data entry fields. A library set is a logical group of libraries, and is composed of a core image, relocatable, and source statement library. Library sets for user libraries may consist of any combination of the above. Library sets for IBM libraries must have a core image library if they will be serviced by the PUT tapes.

After determining which libraries you wish to add to the new library set, you will be asked to supply additional information for each library. The information required is the file identification, library allocation, directory allocation, starting address of the library, device type, and volume serial number of the pack where the library will be located.

This dialog is call by function ADM$LBR and is not accessed from a menu panel.

JCL DESCRIPTION: None

DIALOG: ADM$ASM

DIALOG NAME: Add CICS/VS User

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SNT$AST

OTHER VSE/ICCF MEMBERS CREATED: TCI$SNT1

DIALOG DESCRIPTION:

This dialog is used to add users to your CICS/VS system. You may add various CICS/VS sign-on table parameters based on the configuration of your system. When you complete the adds for as many users as desired, they are filed into TCI$SNT. You should consult the CICS/VS System Programmer's Reference Manual (SC33-0069) for a full explanation of what each parameter means since the explanation provided is only a summary of the information in the manual.

JCL DESCRIPTION:

The JCL created by this dialog consists of one job that will add as many users as you have entered, plus those that are already in the table TCI$SNT1 from previous entries. This table is nonsuffixed so that only one sign-on table can exist on your system. The phase will be cataloged into USRCL1 (user core image library one).

DIALOG: ADM$BKR

DIALOG NAME: Backup/Restore Library Sets

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: BACKUP/RESTORE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to either back up or restore your library sets. Whether its use is backup or restore depends on the menu item selected. You may use this dialog to backup/restore all of your production and user library sets, or any combination of individual sets. The term set is used to describe core image, relocatable, and source statement libraries. **Example:** The library set for library C is: production core image library C, production relocatable library C, and production source statement library C.

The panel, ADM$BKR1, contains entries for all of the possible library sets that can be defined in the system profile tables. The first entry, PRDXLA, defines the production library set for A. If you enter **ALL** in this field, all of the library sets that exist on your system and are described in you system profile will be backed up or restored.

The restore feature of this dialog may also be used to restore a library set from a backup taken by the service dialogs.

JCL DESCRIPTION:

A single job is produced that contains either a backup or restore statement for each library.

DIALOG: ADM$BRW

DIALOG NAME: Browse Libraries

PREREQUISITE DIALOGS: ADM$LBR

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to display information about currently defined user or IBM libraries. The dialog will display one library at a time. The information displayed will be the library name, library file ID, library description, library allocation, directory allocation, device type and volume serial of the pack containing the library, starting address of the library, and the number of tracks (or blocks for FBA devices).

JCL DESCRIPTION: None

DIALOG: ADM$CPY

DIALOG NAME: Create Copy Files

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: (INS$xxxR), (INS$xxxS)

DIALOG DESCRIPTION:

This dialog is used to create copy files. If a particular copy file already exists, you can either recreate it, or add new entries to the existing file. You will be asked to supply the three-character string under which the copy files will be filed. That is, xxx, where copy file names are INS$xxxR and INS$xxxS.

A relocatable copy file is a file that contains statements that are used as input to Interactive Productivity Facility dialogs to produce COPYR statements. These COPYR statements have module names that are the names of product modules that are to reside in the relocatable production library. A source statement copy file contains input used to produce COPYS statements. These COPYS statements have the names of product source statement books that are to reside in the source statement production library.

Dialogs use these files to rebuild the relocatable and source statement production libraries after members in the corresponding service libraries have been updated. Products that have relocatable modules or source statement books that are to reside in IBM relocatable or source statement production libraries must have copy files.

JCL DESCRIPTION: None

DIALOG: ADM$CSN

DIALOG NAME: Change CICS/VS Users

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SNT$AST

OTHER VSE/ICCF MEMBERS CREATED: TCI$SNT1

DIALOG DESCRIPTION:

This dialog is used to change sign-on parameters in your CICS/VS system. You may change or add various CICS/VS sign-on table parameters based on the configuration of your system. When you complete as many changes or additions as desired, they are filed into TCI$SNT to preserve them. You should consult the CICS/VS System Programmers Guide for a full explanation of the meaning of each parameter, because the explanation provided in the dialog is only a summary of the information in the manual.

JCL DESCRIPTION:

The JCL created by this dialog consists of one job that makes all the changes you have entered plus retains those entries that were in table TCI$SNT1 previously. This table is nonsuffixed so that only one sign-on table can exist on your system. The library into which the phase is cataloged is USRCL1 (user core image library one).

DIALOG: ADM$CSR

DIALOG NAME: Change VSE/ICCF Users

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ICCF

OTHER VSE/ICCF MEMBERS CREATED: ADM$USRT

DIALOG DESCRIPTION:

This dialog is used to change users and libraries in the VSE/ICCF system. You may change various VSE/ICCF parameters based on the configuration of your system. You enter an existing user and change the parameters for that user as they are presented to you. When you complete the changes for as many users as desired, they are filed into ADM$USRT. Four panels are presented to you for the insertion of changes; you should consult the VSE/ICCF Installation and Operations Reference manual for a full explanation of what each parameter means since the explanation provided is only a summary of the information in the manual.

JCL DESCRIPTION:

The JCL created by this dialog consists of one DTSUTIL job that will change as many users as you have entered. In order to run this job you must ensure that VSE/ICCF is not running; otherwise, it will not enter the changes onto the system.

DIALOG: ADM$DEL

DIALOG NAME: Delete Library

PREREQUISITE DIALOGS: ADM$LBR

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to delete a currently defined user or IBM library from the administrative tables. The dialog will display the current library names and allow you to select the library you wish to delete. After selecting the library to delete, the dialog will display the library name, file ID, description, device type, serial number, starting address, and number of tracks/blocks, and ask you if this is the library you wish to delete.

This dialog is call by function ADM$LBR and is not accessed from a menu panel.

JCL DESCRIPTION: None

DIALOG: ADM$DSM

DIALOG NAME: Delete CICS/VS Users

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SNT$AST

OTHER VSE/ICCF MEMBERS CREATED: TCI$SNT1

DIALOG DESCRIPTION:

This dialog is used to delete users from your CICS/VS system. You are asked the ID of the user you wish to delete from the sign-on table. Then a second panel asks you to enter yes or no to delete that user. When you complete the deletes for as many users as desired, they are filed into TCI$SNT. You should consult the CICS/VS System Programmers Guide (SC33-0069) for a full explanation of what each parameter means since the explanation provided is only a summary of the information in the manual.

JCL DESCRIPTION:

The JCL created by this dialog consists of one job that will assemble a new SNT with the users deleted and create a new sign-on table that has those entries that were not deleted. This table is nonsuffixed so that only one sign-on table can exist on your system. This table is cataloged to USRCL1 (user core image library one).

DIALOG: ADM$DSR

DIALOG NAME: Delete VSE/ICCF Users

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ICCF

OTHER VSE/ICCF MEMBERS CREATED: ADM$USRT

DIALOG DESCRIPTION:

This dialog is used to delete users and libraries in the VSE/ICCF system. First, a panel will be presented to you that asks the user you wish to delete; then the next panel asks if you want to actually delete that user to which you respond yes or no. You may enter an existing user and delete that user. You may then complete the deletion for as many users as desired.

JCL DESCRIPTION:

The JCL created by this dialog consists of one DTSUTIL job that will delete as many users as you have entered for deletion. In order to run this job, you must ensure that VSE/ICCF is not running; otherwise, it will not delete the users from the system.

DIALOG: ADM$FST

DIALOG NAME: First Time Use

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: FIRSTUSE

OTHER VSE/ICCF MEMBERS CREATED: (ADM$FS30), (ADM$HDWT), (TAS$SD11-40),

ADM$DTAB,	ADM$JCL0,	ADM$LIB,
ADM$LTAB,	ADM$PAR0,	ADM$PAR2,
AMD$PAR3,	ADM$PROD,	ADM$SHIP,
ADM$ULIB,	DTR$PCTI,	DTR$PPTI,
LIB$$ASI,	LIB$$DEF,	TAS$AR30,
TAS$ASGX,	TAS$PDSX,	TAS$PWR,
TAS$PWRX,	TAS$SYS,	TAS$SYSX

DIALOG DESCRIPTION:

This dialog is the first dialog to be run after the base install procedure has been completed, and the Interactive Productivity Facility has been brought up. It is used to create your system profile. Tables are created that establish initial defaults for your software products, hardware configuration, disk standard labels, and libraries. If an I/O configuration table already exists, it can be preserved. If a disk standard labels table already exists, it is

scanned, and non-System IPO/E supplied entries are added to the newly created labels table.

A series of panels is used to determine which optional products you plan to install on your system. This information is used to dynamically calculate the amount of DASD space required for certain production libraries. These libraries are created based on the calculated sizes.

CICS/VS should be selected only if it is currently installed (that is, installed as part of the base installation process).

[VM/VSE FEATURE NOTE] If you are a VM/VSE Feature user, you will be asked if VSE/ICCF is installed on your system. As with CICS/VS, VSE/ICCF should be selected only if it was installed as a part of your VSE System IPO/E base.

A number of System IPO/E supplied tables are tailored during the execution of this dialog based on the IPL procedure chosen. The additional time required to perform this editing now results in faster execution times for later dialogs.

The following is a list of tables and skeletons produced during the execution of the first time use dialog, along with a brief description of each:

- ADM$SHIP - System software product profile table
- ADM$PROD - System software product profile table
- ADM$HDWT - System I/O configuration profile table
- ADM$DTAB - System disk label and extent profile table
- ADM$PAR0 - System partition disk label and extent profile table for BG
- ADM$PAR2 - System partition disk label and extent profile table for F2
- ADM$PAR3 - System partition disk label and extent profile table for F3
- ADM$LTAB - System library profile table
- ADM$LIB - System production/service library table
- ADM$ULIB - User library table
- TAS$AR30 - Master ASI directory table
- TAS$ASGX - Programmer logical unit assignment table
- TAS$PDSX - Page data set parameter table
- TAS$PWRX - Power device and startup parameter table
- TAS$PWR - Work power device and startup parameter table
- TAS$SYSX - Miscellaneous ASI parameter table
- TAS$SYS - Work miscellaneous ASI parameter table
- TAS$SDnn - System directory list tables
- ADM$FS30 - Table indicating the first time use dialog was executed
- ADM$JCL0 - Skeleton of DLBL and EXTENT expansion for standard labels
- LIB$$ASI - Skeleton of system LIBDEFs
- LIB$$DEF - Skeleton of system LIBDEFs with DLBL/EXTENT information
- DTR$PCTI - Skeleton containing DFHPCT entries for VSE/ICCF
- DTR$PPTI - Skeleton containing DFHPPT entries for VSE/ICCF

JCL DESCRIPTION:

The JCL created by the first time use dialog contains a job to personalize the system history file. This job uses the MSHP personalize statement to supply user identification information to the general header record of the history file. Another job is created to define the required production optional product libraries based on the products you indicated will be installed on your system. Finally, a job is included to catalog into the system procedure library and execute a procedure to establish system LIBDEFs. This procedure defines the sequence in which production libraries are to be concatenated and accessed, and opens the newly created libraries. It can be executed at any time to reset the system LIBDEFs by releasing the pause job held in the system reader queue for the desired partition (for example, **r rdr,PAUSEBG** for the background partition), and issuing **// EXEC PROC=LIBDEF** preceded by the appropriate partition identification (**0 // EXEC PROC=LIBDEF** for background). If SYSCLB, SYSRLB, or SYSSLB are assigned, they must be unassigned before executing the proc (**0 ASSGN SYSCLB,UA** for SYSCLB assigned in background). The job is concluded by entering the partition identification (again, **0** for background).

DIALOG: ADM$HDW

DIALOG NAME: I/O Configuration

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: (ADM$HDWT)

DIALOG DESCRIPTION:

This dialog is used to examine and maintain a profile of the local I/O devices attached to your system. It is possible to add, update, or delete a single entry in your I/O configuration profile table through the UPDATE activity based on the DEVICE ADDRESS you provide. If an entry presently exists with that address, the current definition is displayed. You can then modify or delete that entry. An EDIT activity exists that displays the current entries sequentially, allowing you to change or delete any of them. To examine a listing of the entries without making any changes to them, there is a BROWSE activity. The END activity returns you to the system profile menu.

JCL DESCRIPTION: None

DIALOG: ADM$ICF

DIALOG NAME: VSE/ICCF Tailoring

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ICCFGEN

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to alter the standard defaults of the VSE/ICCF system. This is accomplished by changing the operands of the DTSOPTNS macro and cataloging it as a new DTSGENER book in USRSL1 (user source statement library one).

The default values shown are for the CICS/VS version rather than the TTF version. If you reply **TTF** for the system, it will change all of the defaults before displaying the remaining panels. If you are using TTF, you should run this dialog before running the TTF tailoring dialog. (Of course, this is not necessary if you plan on using the default ICCF parameters.)

JCL DESCRIPTION:

The JCL produced by this dialog performs the following steps:

- Gives you the option of Fast Copying your user data to tape (3310, 3340, and 3330)
- Restores your service library A from tape to disk
- Provides online selection of the VSE/ICCF options
- Catalogs a new DTSGENER book in USRSL1
- Provides appropriate LIBDEFs for the Stage 2 VSE/ICCF assembly and catalog of the affected phases
- Reassembles and catalogs phases for the VSE/ICCF macros that are affected by the options that you changed from their default values
- If you Fast Copyed your user data to tape, provides the option of restoring it from tape

DIALOG: ADM$IST

DIALOG NAME: Modify VSE/ICCF Tables

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: PHASETAB or LOADTAB

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in modifying the system file table, system program table, and load protection table. In the system file table you can modify the space, volume, and file entries. You will be able to add, change, delete, and display information in the system program table. In the load protection table, you also can add, delete and display information.

JCL DESCRIPTION:

The JCL generated will catalog to the source statement library (USRSL1) a book (A.DTSSYSPG) to be used in the assembly of DTSCJENT and DTSSUBMT. The second step of this job will assemble the new phases and put them in the system core image library (IJSYSRS).

DIALOG: ADM$LAB

DIALOG NAME: Label Information

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: STDLABEL (for system standard labels)
PARLABEL (for partition labels)

OTHER VSE/ICCF MEMBERS CREATED: ADM$JCL0 (for standard labels)
ADM$PARx (for partition labels,
x is partition number)

DIALOG DESCRIPTION:

You will need this dialog when you make changes to DASD files delivered with the VSE System IPO/E or when you add or change your own DASD files. Files pertaining to libraries are not handled by this dialog but by the library information dialog. Summary information for several labels is presented, and you may choose the one you wish to view by selecting the proper number. When one is selected, a panel displaying all the fields of the DLBL statement is presented. Existing data may then be changed and blank fields added. You may also delete the entire DLBL-EXTENT(s) set by overlaying the FILE NAME with DELETE. Select the proper ACTION CODE to view the EXTENT(s) for this DLBL or add another DLBL-EXTENT set. You may also add label sets at the end of the file by selecting a blank line from the selection menu. Select menu item 12 to create the JCL and end your label information session.

Partition labels for background (BG) are supplied with the VSE System IPO/E for background work files. Partition labels are also provided for foreground partitions F2 and F3. If you wish to create labels for other partitions you may do so and the data will be saved automatically.

JCL DESCRIPTION:

The JCL created will catalog a procedure to the procedure library for the system standard labels or the specified partition labels. The procedures must be executed to load the labels in the label area. You may also load the background labels at IPL time if you tailor the ASI procedures after updating standard labels.

DIALOG: ADM$LBR

DIALOG NAME: Library Information

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: NEWLIB

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is the main dialog for library allocation. It calls all of the other dialogs that add, delete, update or browse libraries. When the called dialog is completed, control is returned to ADM$LBR.

After you have made all of the changes that you want to your library allocations, you must be sure that no overlap exists between permanent files. (This refers to files defined by standard or partition standard labels.) Neither service libraries nor PUT files are checked for overlap, since many of them overlap intentionally. Therefore, if you define permanent files on the packs where service or PUT files reside, you must be sure that you have not allowed your files to overlap.

If you find overlapping files, you must correct this situation. Because overlaps may occur with nonlibrary files, this dialog allows you to call the label dialog. Using the label dialog, you can relocate the overlapping file, and control will be returned to ADM$LBR.

If no overlap is found, a job stream is created to be submitted in a VSE partition.

For performance reasons, the overlap checking is done only for the packs involved in the new library allocations.

All the modifications you enter for libraries or files are permanently filed into the Interactive Productivity Facility profile tables. This is true even if you cancel the dialog.

JCL DESCRIPTION:

Two VSE jobs are generated and imbedded in one VSE/POWER job. The first job backs up the existing libraries which need to be relocated. The second job restores these libraries to their new allocations if they already existed or creates new libraries if they did not exist.

Caution: If SYSRES file is relocated, the restore program will be copied onto the tape to restore IJSYSRS in stand alone mode. Therefore, after the backup job has been run, you must shut down the system and IPL the tape.

DIALOG: ADM$MSN

DIALOG NAME: Assemble/Catalog SNT

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SNT$ASN

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

JCL is generated to assemble and catalog the sign-on table. If the table does not exist, an error message is displayed. No changes are made to any of the table entries.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS SNT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS/VS macro library and the target core image library are available.

DIALOG: ADM$MTC

DIALOG NAME: TTF Tailoring

PREREQUISITE DIALOGS: (ADM$ICF)

DEFAULT JOB NAME CREATED: TTFGEN

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog regenerates the TTF system and creates a new startup deck.

You must supply the number of control units that you have, the starting SYSnnn number for the terminals, what dump option you want used as a default, and whether you want TP balancing. You will then be asked for the starting address of the first terminal on each control unit, and how many terminals are on each control unit. Next, each terminal address will be displayed, and you must identify any printers, or if the terminal is to be allowed to use the master terminal program. Finally, you must identify the supervisor that you are using as a 370 or E mode supervisor.

JCL DESCRIPTION:

This dialog is unique in that it has two outputs. The first job stream produced will assemble the necessary macros, set up the LIBDEFs, and catalog the needed phases. The second job stream will be the startup deck that you will use to daily start up your VSE/ICCF system.

Caution: If you intend to tailor your VSE/ICCF system, do it before running this dialog, since input from the VSE/ICCF produced tables is used.

DIALOG: ADM$PUT

DIALOG NAME: PUT Library/History Update

PREREQUISITE DIALOGS: ADM$LBR

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to change the administrative tables to reflect a change in the description of a PUT library or history file. The current PUT library or history file names will be displayed, and you may select the one you wish to change. The dialog will then display the current information for this library or file and allow you to change the library or file ID, library or file allocation, directory allocation, device type of the pack the library or file is on, volume serial number of that pack, or the starting address of the library or file.

Multiple entries can be selected and updated. When you have completed all the updates you want to make, select END to terminate the dialog.

JCL DESCRIPTION: None

DIALOG: ADM$REP

DIALOG NAME: Run Security Reports

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SECREP

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in using the report function of VSE/Access Control Logging and Reporting. You will be able to initialize, dump, restore, select, or reset the data sets of VSE/Access Control Logging and Reporting.

JCL DESCRIPTION:

The JCL generated is a VSE job stream to perform the selected function on the VSE/Access Control Logging and Reporting security data sets.

DIALOG: ADM$SEC

DIALOG NAME: Modify Security Table

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SECTAB

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in modifying the security table. You will be able to add, change, delete, and display users, groups, libraries, files, and phases.

JCL DESCRIPTION:

The JCL generated will assemble a new security table (DTSECTAB) and put the table in the USRCL1 (user core image library one).

DIALOG: ADM$SFM

DIALOG NAME: Add Software Products

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to add, update, or delete entries in your software products profile tables, ADM$SHIP and ADM$PROD. These entries correspond to products outside the System IPO/E product set. They are added to the profile table to allow for the installation and servicing of these products using Interactive Productivity Facility dialogs.

You will be asked to supply the following information:

- Component numbers
- Component level code
- If the product is a feature
- Brief description of product
- Product number
- Library set into which product will be installed
- Release number
- If the product is installed
- If the product has VSE/ICCF members
- Number of files product consists of on distribution tape
- If the product has a relocatable copy file
- If the product has a source statement copy file
- Product core image library size in FBA or library blocks
- Product relocatable library size in FBA or library blocks
- Product source statement library size in FBA or library blocks

Once you have added an entry to the software products system profile tables, you can use the create copy files dialog to create copy files, if required. Before installing the product using the optional product install dialog, you must ensure you have created the

designated library large enough to contain that product. The Installation Guide is provided to step you through the tasks required to install a product outside the product set of the System IPO/E. This guide is accessed off the system management menu, SYM$.

JCL DESCRIPTION: None

DIALOG: ADM$SFT

DIALOG NAME: Software Products

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: (DLI$PCT), (DLI$PPT), (DLI$ALT), (DTR$PCT), (DTR$PPT)

DIALOG DESCRIPTION:

This dialog is used to maintain a profile of the software products installed on your system. Select the software product whose software product table entry requires updating. If the product you wish to update does not appear on the screen, select the ADDITIONAL PRODUCTS entry to continue to page through the existing entries.

It is possible to install and service products outside the System IPO/E product set by adding an entry for that product to the software products system profile table. Entries corresponding to such products can be added, modified, and deleted using the add software products dialog accessed off the system profile menu. After you add a product, it will be displayed for selection by this dialog. You may then update a limited number of fields.

A table update is required if a product is removed from the current system, the release or identifier number is changed, or the product is to be included or deleted from the CICS/VS tailoring procedure. The tables are updated to show that a product is installed when the install dialog is run. However, this change can be made to the tables directly through this dialog.

If you indicate the product should be included in the CICS/VS tailoring procedure, the necessary system entries for this product will be included in the appropriate CICS/VS management tables. The VSE/ICCF members listed above contain these entries. Tables that may be affected include the processing program table (PPT), the program control table (PCT), and the file control table (FCT).

JCL DESCRIPTION: None

DIALOG: ADM$UPT

DIALOG NAME: Update Library

PREREQUISITE DIALOGS: ADM$LBR

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to change the system profile tables to reflect a change in the description of a current IBM or user library. The current library names will be displayed, and you may select the library you wish to change. The dialog will then display the current information for this library, and allow you to change the library file ID, library allocation, directory allocation, device type of the pack the library is on, volume serial number of that pack, or the starting address of the library.

This dialog is called by function ADM$LBR and is not accessed from a menu panel.

JCL DESCRIPTION: None

DIALOG: ADM$USR

DIALOG NAME: Add VSE/ICCF Users

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ICCF

OTHER VSE/ICCF MEMBERS CREATED: ADM$USRT

DIALOG DESCRIPTION:

This dialog is used to add users and libraries to the VSE/ICCF system. You will be asked to add various VSE/ICCF parameters based on the configuration of your system. When you complete the adds for as many users as desired, they are filed into table ADM$USRT. Four panels are presented to you for the insertion of adds. You should consult the VSE/ICCF Installation and Operations Reference manual for a full explanation of what each parameter means since the explanation provided is only a summary of the information in the manual.

JCL DESCRIPTION:

The JCL created by this dialog consists of one DTSUTIL job that will add as many users as you have entered. In order to run this job you must ensure that VSE/ICCF is not running; otherwise, it will not enter the adds onto the system.

DIALOG: CAT$BAC

DIALOG NAME: Copy Out Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: BKUPCAT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in backing up either a master catalog or user catalog to tape or disk. You will need to know the name of the user catalog if that is what you are backing up. You will also be asked for information about the backup device.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to back up the desired catalog to tape or disk.

DIALOG: CAT$DEF

DIALOG NAME: Define Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DEFCATLG

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in creating either a VSE/VSAM master catalog or user catalog. You will be asked which you wish to create and then for information on DASD placement and other catalog information.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to create the desired catalog.

DIALOG: CAT$DEL

DIALOG NAME: Delete Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DELCATLG

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in deleting a VSE/VSAM user catalog. You will be asked the name of the user catalog that you are deleting.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to delete the desired user catalog.

DIALOG: CAT$LST

DIALOG NAME: List Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: LISTJOB

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in listing all or selected volumes owned by the master catalog or a user catalog. Listing of pointers to all the user catalogs in the system can also be done by this dialog.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to list the disk volumes or files owned by the master catalog or a user catalog. The job can also be used to list the system pointers.

DIALOG: CAT$RES

DIALOG NAME: Copy in Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RESTCAT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in restoring a master catalog or user catalog from tape or disk. You will need to know information about the restore device.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to restore the desired catalog from tape or disk.

DIALOG: CAT$TPT

DIALOG NAME: Transport Catalog

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: TPTUCAT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in exporting or importing a user catalog. You will need to know the name of the user catalog, the volume serial on which the catalog resides, and the type of DASD.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to export or import a user catalog.

DIALOG: CUS$DIA

DIALOG NAME: Dialog Customization

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CUSVJOB

OTHER VSE/ICCF MEMBERS CREATED: CUS$PROC

DIALOG DESCRIPTION:

Dialog customization allows you to specify which dialogs you want to delete from the Interactive Productivity Facility. You can delete tailoring for products you do not have, or functions for which you have no further use such as the first use tutorial. Verification jobs that you do not plan to run can also be deleted. The reason for deleting dialogs is to save library space and improve performance.

JCL DESCRIPTION:

The output of this dialog consists of a VSE job and a VSE/ICCF procedure. The VSE job deletes the core image library phases for the dialogs to be removed. The VSE/ICCF procedure purges the VSE/ CCF members to be deleted. Both must be run to completely remove the dialogs selected for deletion.

| **[VM/VSE FEATURE NOTE]** In the VM/VSE environment, the output of this
| dialog is a VM/CMS EXEC. It purges some VM/VSE Feature dialogs.
| Therefore, it should be used only by userid MAINT.

DIALOG: DSF$ALT

DIALOG NAME: Alter Cluster

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ALTER

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in altering a VSE/VSAM cluster. You can alter the file name, accessibility, freespace amounts, retention period, and shareoptions. The information needed to alter a cluster is:

- The name of the VSE/VSAM file
- The type of file (KSDS, ESDS, or RRDS)
- Whether the file is owned by the master or a user catalog
- What you want to alter

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to alter a VSE/VSAM cluster.

DIALOG: DSF$COP

DIALOG NAME: Copy File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: COPY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in copying a VSE/VSAM or sequential file. The sequential file can be on either tape or disk. The copy dialog generates job streams to copy a VSE/VSAM file to another VSE/VSAM file or to a sequential file. You can also copy a sequential file to either a VSE/VSAM or another sequential file. The information that you need is:

- Type of VSE/VSAM file (KSDS, ESDS, or RRDS)
- Starting point of the input file
- Stopping point of the input file
- Output device type
- Starting point of the output device
- Number of tracks (or blocks) in the output file
- Output volume serial
- Output record format
  - Fixed-length records
  - Variable-length unblocked records
  - Variable-length blocked records
- Output block size
- Output record size

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to copy a VSE/VSAM or sequential file.

DIALOG: DSF$DEF

DIALOG NAME: Define Cluster

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: FILEDEF

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in defining a VSE/VSAM cluster. You will need to know the name and characteristics of the file. You are prompted to provide the following information:

- Cluster type (KSDS, ESDS, or RRDS)
- Cluster name
- Volume serial number of the disk where the cluster will be located
- Retention date format (JULIAN or DAYS)
- Retention period
- Whether this volume is owned by the master catalog or a user catalog
- User catalog name
- Volume serial number of the disk where the user catalog is located
- How much space the cluster will occupy
- Primary and secondary disk space allocations
- Percentage of control interval free space
- Percentage of control area free space
- Whether the file will be unique, suballocated, or no allocation
- Whether or not the cluster is reusable
- Average record size
- Maximum record size
- Relative key position within the record
- Key length

- Data class
- Index class

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to define a VSE/VSAM cluster.

DIALOG: DSF$DEL

DIALOG NAME: Delete Cluster

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DELETE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in deleting a VSE/VSAM cluster.

The information needed to delete a cluster is:

- Cluster name
- Whether the cluster should be deleted even if its retention period has not expired
- Whether information about the cluster is in the master catalog or a user catalog
- User catalog name
- Volume serial number of the disk where the user catalog is located

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to delete a VSE/VSAM cluster.

DIALOG: DSF$DSP

DIALOG NAME: Display File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DISPLAY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in displaying a VSE/VSAM data set.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to display a VSE/VSAM data set.

DIALOG: DSF$EXP

DIALOG NAME: Export File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: EXPORT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in backing up a VSE/VSAM data set.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to export a VSE/VSAM data set.

DIALOG: DSF$IMP

DIALOG NAME: Import File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: IMPORT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in restoring your VSE/VSAM data sets.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to import a VSE/VSAM data sets.

DIALOG: DSF$PRT

DIALOG NAME: Print File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: AMSPRINT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in printing VSE/VSAM or sequential files.

The print dialogs generate job streams to print VSAM clusters and sequential files. You can print each type in either character or hexadecimal format, or in both.

To print a VSAM cluster, you must provide the following information:

- Cluster name
- Volume serial number of the disk where the cluster will be located
- Whether information about the cluster is in the master catalog or a user catalog
- User catalog name
- Volume serial number of the disk where the user catalog is located
- Whether you want to print selected records

- How you want to specify print start and stop
- Start and stop keys
- Number of records to be skipped

Sequential files may be on tape or disk. If you are printing a sequential file, some of the the following information will be needed:

- The device the file is on
- Volume serial number
- File name
- For tape files:
  - Whether the tape is labelled or unlabelled
  - Whether you want label checking
  - Rewind options
  - Tape address
- Record format
- Block size
- Record size
- Whether you want to print selected records
- How you want to specify print start and stop
- Number of records to be skipped
- Record count

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to print your VSE/VSAM or sequential data sets.

DIALOG: DSF$VER

DIALOG NAME: Verify File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: VERIFY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in displaying system information about your VSE/VSAM data sets.

The information needed to verify a cluster is:

- Cluster name
- Volume serial number of the disk where the cluster is located
- Whether information about the cluster is in the master catalog or a user catalog
- User catalog name
- Volume serial number of the disk where the user catalog is located

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to display system information about your VSE/VSAM data sets. The verify cluster dialogs generate job streams to check if a VSE/VSAM cluster was closed properly the last time it was used. If it was not closed correctly, the verify function will update the catalog to allow the cluster to be used again.

DIALOG: ENV$DEF

DIALOG NAME: Select Environment Definition

PREREQUISITE DIALOGS: ENV$DEF

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows selection of an environment from table ENV$DEFT. Table ENV$DEFT is created by dialog ENV$DEF in the update environment definition subfunction. This table contains the environment name, associated menu name, and comments about the environment.

An environment is simply a collection of menus and functions that perform a given task. System management is an example of an environment. The initial entry to the selected environment is via a menu panel.

JCL DESCRIPTION: None

DIALOG: ENV$DEF

DIALOG NAME: Update Environment Definition

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: ENV$DEFT

DIALOG DESCRIPTION:

This dialog is used to add, alter, or delete environment definitions. An environment is a collection of menus and functions used to perform a given task. The following items are saved in table ENV$DEFT for the select environment definition subfunction:

- Environment name: Twenty-four characters concatenated together. Separate each word with a dash. Pad the end with dashes to 24 characters. Otherwise, panel ENV$DEF1 will not line up properly.

- Menu name: This is the name of the menu used to enter the environment. This panel will appear when the environment is chosen in the select environment definition subfunction.

- Comment: Four eight-character fields that are not concatenated that may be used as comments about the environment.

Table ENV$DEFT contains the information described above for all the environments you have defined. If you wish to centrally maintain ENV$DEFT, you should give copies of it to each user. This table must reside in the user's primary library or in the library in which the ENV$ tables reside according to the connect table in DTR$DTBL.

Note: When you add a new environment, you should add the VSE/ICCF libraries for the environment to the Interactive Productivity Facility connect table. See the section 'Interactive Productivity Facility User Options File' in the Interactive Productivity Facility VSE Feature User's Guide and the same section in this manual for further information.

JCL DESCRIPTION: None

DIALOG: INS$CAR

DIALOG NAME: Installation

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: INSTALL

OTHER VSE/ICCF MEMBERS CREATED: (DLI$PCT), (DLI$PPT), (DLI$ALT)

DIALOG DESCRIPTION:

This dialog is used to install products on your system. You can install one or multiple products by library.

This dialog displays several groups of products for installation as follows:

- Products you flagged during the first time use dialog as products you would eventually install on your system
- Products supported by the System IPO/E that were flagged for installation using the software products update function
- Products not supported by the System IPO/E that were added to the software products system profile table using the add software products dialog

When these products are displayed, they are grouped by library.

Indicate which of these products you want to install at this time by supplying the tape file and volume numbers corresponding to these products. The tape file number specifies the file number corresponding to the first file of the product found on the distribution tape. If the tape is stacked (contains more than one product), this value is obtained from the label on the distribution tape. If the tape is nonstacked, enter the value 1. The install dialog supports the installation of products obtained from more than one tape volume. In order to communicate to you which tape volume must be mounted during execution of the install function, a unique volume number must be assigned to each tape. Number the first tape one (1), and assign sequentially increasing numbers to each of the others.

After selecting which products corresponding to a particular library you wish to install at this time, and being asked about possible support under CICS/VS of those products to which it applies, you will be queried about the status of that library's service libraries. With the exception of service libraries A, B, and E, (if CICS/VS is installed) which are shipped with the System IPO/E base install process, JCL to create a particular service library is generated the first time the optional product install dialog is run to install a product in that library. Successive runs of the dialog will ask whether you want to reproduce that JCL (and possibly recreate the service library), whether you want to restore an existing service

library, and whether you want to back up that service library. These steps are repeated for as many libraries as you indicated would have products installed in them.

If you have selected all the products you plan to install at this time, you can bypass the display of products residing in additional libraries by entering **END** in the TAPE FILE field of the first product displayed corresponding to a library in which you have no products to install. This will cause the dialog to complete processing without the display of any additional products.

JCL DESCRIPTION:

The JCL created by the optional product install dialog contains the following set of jobs for each library in which you have requested products to be installed at this time. Jobs to create/restore the current service library set as described in the dialog description above are included first. Next, a set of six possible jobs are included for each product to be installed in this library. An MSHP RESTORE DTAPE job is provided to restore the product libraries and history file from the product distribution tape to temporary restore areas. A DSERV of the restored product libraries is then performed. A job is included optionally, depending on whether the product has VSE/ICCF members that must be copied to the VSE/ICCF DTSFILE. If it does, as in the case of DL/1 DOS/VS, a DTSUTIL job is created and the VSE/ICCF members stored as I.books in the product source statement library are punched from the temporary restore area to the internal reader. This job is executed later, after VSE/ICCF has been brought down, copying the members into the VSE/ICCF DTSFILE.

[VM/VSE FEATURE NOTE] If VSE/ICCF is not installed in the VM/VSE environment, the I.books are not punched to the internal reader.

The I.books are then deleted from the restore area. An MSHP INSTALL COMPONENT FROMDISK MERGE job is executed to merge the restored libraries into the production core image library, and the service relocatable and source statement libraries. A job is included to modify the retention period of the MSHP restore area created above. They are given a zero retention period, which causes them to become expired files. This eliminates the need to respond **0 delete** when installing multiple products. A job is then included to perform an MSHP RETRACE COMPONENT against the product just installed.

To complete the processing of this library, jobs are included to delete all the relocatable modules from the production relocatable library, and copy from the service relocatable library modules corresponding to all those products that have been installed in this library to date that are required for day-to-day production use. Similar jobs are included for the source statement production and service libraries.

With mixed architecture, if the temporary restore areas and the current library's production libraries are on a split of FBA and CKD devices, the JCL produced will differ from that described above. A private core image library is created, and the MSHP INSTALL COMPONENT

FROMDISK MERGE job mentioned above will merge the core image library phases into this library. After all products to be installed in this library have been restored and merged, this newly created library is backed up to tape, and restored either directly to the production core image library, or to another newly created core image library and merged into the production core image library. Next, a private relocatable library is created and the relocatable production members are merged in. This library is backed up to tape and restored into the production relocatable library. The same procedure is followed for the source statement library.

After all the libraries have been processed as described above, a job to reestablish the system LIBDEFs is executed. If for any reason, the install job stream does not run to completion, you must perform the following steps to reestablish your system LIBDEFs. Release the PAUSEBG job from the system reader. Issue **0 ASSGN SYSCLB,UA** and **0 // EXEC PROC=LIBDEF** before responding 0 to end the job.

If you have selected ACF/VTAM or ACF/VTAME for installation, a job will be included to copy the RAS transients from production core image library C to production core image library A.

DIALOG: LIB$CAT

DIALOG NAME: Catalog Library Members

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CATALOG

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to generate JCL statements to catalog members to any system or private library. Modules saved in the VSE/ICCF library may be specified to be included.

This dialog requests the following information:

- Library type (core image, relocatable, source, or procedure)
- Whether the library is system or private
- The catalog member name (phase, module, book,or procedure)
- The ICCF member name
- If a source library, the sublibrary desired
- If private, the file name, volume serial number, and file ID
- If a core image library:
  - Whether more relocatable or ICCF members are to be included in the link-edit
  - Whether a LIBDEF statement should be generated for relocatable libraries and the names for the LIBDEF statement
  - Whether DLBL and EXTENT(s) should be generated
    - File name
    - Volume serial
    - File ID

JCL DESCRIPTION:

The JCL created will link-edit to core image libraries or execute MAINT to catalog to relocatable, source, or procedure libraries.

DIALOG: LIB$COP

DIALOG NAME: Copy Library Members

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: COPY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to copy any system or private library or part of any library.

The information needed to copy or merge between libraries is:

- Library type (core image, relocatable, source, or procedure)
- Whether the TO library is residence, nonresidence, or private
- Whether the FROM library is residence, nonresidence, or private
- Volume serial number
- File name for the FROM and TO library
- Volume serial number of the FROM and TO library
- File ID of the FROM and TO library
- Member(s) to be copied

JCL DESCRIPTION:

The JCL created consists of an execution of CORGZ and associated parameters.

DIALOG: LIB$CRT

DIALOG NAME: Create Libraries

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CREATE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to create libraries.

You are prompted to provide the following information:

- Library type (core image, relocatable, source, or procedure)
- DASD type
- Start location
- Library size
- Directory size
- File name
- Serial number
- Retention date
- File ID

JCL DESCRIPTION:

The JCL created consists of an execution of CORGZ and associated parameters.

DIALOG: LIB$DEL

DIALOG NAME: Delete Library Members

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DELETE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to DELETE library members from any system or private library.

This dialog requests the following:

- Library type (core image, relocatable, source, or procedure)
- Whether the library is system or private
- If private, the file name, volume serial number, and file ID
- The member(s) to be deleted

JCL DESCRIPTION:

The JCL created consists of an execution of MAINT and associated parameters.

DIALOG: LIB$DSP

DIALOG NAME: Display Library Members

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DISPLAY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to DISPLAY or PUNCH library members from any system or private library or to display the directories of any library.

The display directory dialog requests the following information:

- Whether the library is a system or private library
- Library type (core image, relocatable, source, procedure) or directory type (transient or second level)
- Whether a sorted or nonsorted listing is desired
- If a private library, the file name, volume serial, and file ID

JCL DESCRIPTION:

The JCL created consists of an execution of DSERV, CSERV, RSERV, PSERV, SSERV, or ESERV parameters.

DIALOG: LIB$REN

DIALOG NAME: Rename Library Members

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RENAME

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog allows you to RENAME library members in any system or private library.

This dialog requests the following:

- Library type (core image, relocatable, source, or procedure)
- Whether the library is system or private
- If private, the file name, volume serial number, and file ID
- The OLD and NEW library member(s)

JCL DESCRIPTION:

The JCL created consists of an execution of MAINT and associated parameters.

DIALOG: OPN$JCL

DIALOG NAME: JCL Creation

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: JCL

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This activity helps you create the job control statements required to run jobs under VSE or in a VSE/ICCF interactive partition. The output from jobs that execute in a VSE/ICCF interactive partition is directed to disk files or the terminal. Input comes from disk files, the terminal, or the job stream itself. The output for jobs that execute in a VSE batch partition is directed to the system printer (or to the terminal if you submit it with the return option). Other I/O devices may include disk, tape, or diskette.

JCL DESCRIPTION:

This dialog will produce a job stream to execute a compiler, utility, or application program.

DIALOG: PDV$EXP

DIALOG NAME: Program Development

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

The program development environment provides explain panels on the following topics:

- Program development
- Library structure
- Create/modify
- RPG II create/modify
- Compile/assemble
- Input/output
- Load/execute
- Submit to batch

JCL DESCRIPTION: None

DIALOG: RPT$DMP

DIALOG NAME: Dump Analysis.

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: IPCS

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in creating either a VSE job stream to execute the Migrate program, or a VSE job stream to execute the IPCS program.

JCL DESCRIPTION:

The JCL generated is either to list the identification of all dumps contained in the VSE system dump files, or to format a specified dump printout.

DIALOG: SPC$DEF

DIALOG NAME: Define Space

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SPACEDEF

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in defining space for VSE/VSAM. You will be asked which catalog (master or user) will own the space, information on DASD placement, and size of the space.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to define the VSE/VSAM space in the catalog.

DIALOG: SPC$DEL

DIALOG NAME: Delete Space

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SPACEDEL

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in deleting VSE/VSAM space from a master or user catalog. You will be asked which catalog owns the space that you are deleting.

JCL DESCRIPTION:

The JCL generated is a VSE/VSAM Access Method Services utility to delete VSE/VSAM space from the catalog.

DIALOG: SRV$AAP

DIALOG NAME: Archive APAR Fix

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ARCHIVE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to archive an APAR fix into your system history file. You will be asked for the APAR number and affected macros, modules, and phases.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$APT

DIALOG NAME: Archive PTF

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ARCHIVE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to archive a program temporary fix (PTF) into your system history file. You will be asked for the PTF number, APAR number, prerequisite, corequisite, and negative prerequisite PTF numbers, affected macros, modules, and phases, link-edit information, and the space required to apply the fix in the respective libraries.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$BAC

DIALOG NAME: Backup History File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: BACKUP

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to invoke the backup history file feature of MSHP. It will copy your existing history file, defined by your standard labels, to tape.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$CMM

DIALOG NAME: JCL Comments

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog turns an internal switch on or off to indicate if optional comments are desired. Normally, enough comments are in the JCL to properly run the service dialogs. However, if you have a problem or would like additional information about the JCL, using this option will insert additional comments in the JCL.

Caution: Creating the additional comments will prolong the actual running of the dialog.

JCL DESCRIPTION: None

DIALOG: SRV$CON

DIALOG NAME: Condense History

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CONDENSE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to invoke the remove obsolete feature of MSHP. This is used to remove entries that have been flagged as obsolete by the installation of a later release level. During normal installation and the application of service, it is not necessary to run this dialog.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$CVL

DIALOG NAME: Print Cover Letters

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: Print

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to print cover letters from a tape. You will need to supply the file number for the file that contains the cover letters. You will have the option of printing them continuously, or one to a page. You may print all of the cover letters or just selected ones.

JCL DESCRIPTION:

JCL is produced for invoking MSHP to print the cover letters.

DIALOG: SRV$FIX

DIALOG NAME: Alter Core Image

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SRV

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog called by the alter relocatable, and alter source dialogs. It will invoke MSHP and apply a ZAP directly to the core image library. It will also record the information in the system history file. You will need to know the phase names that are to be altered, the data that is at the location you wish to change, and if the phase needs to be expanded.

JCL DESCRIPTION:

A single job is produced. It invokes MSHP and passes it control statements generated from your input.

DIALOG: SRV$FIX

DIALOG NAME: Alter Relocatable

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SRV

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog called by the alter core image, and alter source dialogs. It will invoke MSHP and apply a REP directly to the relocatable library. It will also record the information in the system history file. You will need to know the module names that are to be altered, the data that is at the location you wish to change, if the module needs to be expanded, and the name of the link book used to link edit the fix into the core image library (if necessary).

JCL DESCRIPTION:

A single job is produced. It invokes MSHP and passes it control statements generated from your input.

DIALOG: SRV$FIX

DIALOG NAME: Alter Source

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SRV

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog called by the alter core image, and alter relocatable dialogs. It will invoke MSHP and apply a single statement update directly to the source statement library. It will also record the information in the system history file. You will need to know the book names that are to be altered, the data used to verify that you are at the correct location (E.books only), and the sublibrary that the books are in. If you choose the revokable option, a deck will be punched which can be used to remove the alteration should the need arise. If you need to use the deck, it will be necessary to edit it and insert the JCL for directing it to the proper service libraries.

JCL DESCRIPTION:

A single job is produced. It invokes MSHP and passes it control statements generated from your input.

DIALOG: SRV$GEN

DIALOG NAME: Post Assemblies

PREREQUISITE DIALOGS: SRVPRE, SRVFIX

DEFAULT JOB NAME CREATED: Variable

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to perform assemblies of CICS/VS management modules, CICS/VS A.macros, and VSE/ICCF modules. It is accessed from menu panel SRV$523. This menu is not in the normal menu hierarchy, but is called at the completion of the SRV$FIX dialog, if either CICS/VS or VSE/ICCF were serviced. However, if you have run the preservice dialog, you could go directly to the menu panel for this dialog by typing =**SRV$523**.

The three functions of this dialog are:

1. Support of the DFHGEN macro for CICS/VS to allow you to reassemble management modules

2. Assembly of serviced A.macros into E.macros and cataloging them into service library B

3. Support of the DTSSG macro for VSE/ICCF to allow you to reassemble the ICCF modules

JCL DESCRIPTION:

The JCL produced by this dialog will establish necessary to and from LIBDEF statements for the stage 1 and stage 2 of either VSE/ICCF or CICS/VS. It will then produce the necessary assembly statements and route the output into the VSE/POWER internal reader (DISP=I). It then produces JCL for OBJMAINT that places cleanup JCL into the VSE/POWER internal reader.

DIALOG: SRV$POS

DIALOG NAME: Post Service

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: POSTSRV

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used for restoring your system to normal after using the SRV$PRE and SRV$FIX dialogs. Based on the component you identified during the execution of the SRV$PRE dialog, the members in the service libraries that are copied into the production libraries are merged into the proper production libraries. You will have the option of backing up the service libraries to tape, and, if the pack was copied to tape, you will be asked if you would like it restored from tape.

JCL DESCRIPTION:

JCL is produced for the merge to the production libraries, providing that there are production library members for the component. JCL is optionally produced for fast copy, and backup of the service libraries. At the conclusion of this dialog, your normal LIBDEF library chain for the production libraries will be restored.

DIALOG: SRV$PRE

DIALOG NAME: Preservice

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PRESRV

OTHER VSE/ICCF MEMBERS CREATED: (SRV$FCDT)

DIALOG DESCRIPTION:

This dialog is used to prepare for applying an APAR/LOCAL fix to either the relocatable or source statement libraries. It gives you the option of Fast Copying your user disks to tape before restoring the service libraries. You will need to know the address of the tape drive that can be used and the component identifier of the component for which you have the fix. Based on the component identifier, the dialog lets you restore the correct service library. You will also be allowed to restore an additional service library, and it will be concatenated to the first. However, do not make any changes to the second library since it will not be backed up to tape.

JCL DESCRIPTION:

JCL is optionally produced for fast copy, initialize disk, and restore of the service libraries. At the end of the JCL, the service libraries that you restored, or mounted, will be concatenated to your production library chain for searches.

DIALOG: SRV$PTF

DIALOG NAME: Apply PTF

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PTF

OTHER VSE/ICCF MEMBERS CREATED: (SRV$FCDT)

DIALOG DESCRIPTION:

This dialog creates the JCL to apply a program temporary fix (PTF). The PTF to be applied must be on a corrective service file on the PUT tape.

The dialog will request the following information:

- The component ID of the product to which you are going to apply service
- Whether you wish to create backout PTFs
- Whether your service libraries are on disk or tape
- Whether you will restore your service libraries from tape, do you want to fast copy user data to tape
- Whether you want a backup of your production libraries before service
- Whether you wish to produce a dialog flow diagram describing the creation and manipulation of files and data with the produced JCL

JCL DESCRIPTION:

If all options are taken the JCL produced will:

- Back up your production libraries via the backup program.
- Fast Copy your user data on the packs that will be used to tape. (This is for device types of 3310, 3330, and 3340 only.)
- Initialize the volumes that were backed up to tape.
- Create a private system library (PUTNRS) and then delete any members copied by the create.
- Create a work history file (SAVEHST) and establish residence for the product to which you are going to apply service.
- Establish ownership for the product in the system history file.
- Create a set of private libraries that will be the target for selecting the PTF from the PUT tape (PUTCL1, PUTRL1, and PUTSL1).

- Select the PTF from the corrective service files on the PUT tape and apply it to the libraries that the MSHP preprocessor creates.
- Merge the PTF from the files built by the last step into the private libraries created above (PUTCL1, PUTRL1, and PUTSL1).
- Restore the service library from tape.
- Perform the MSHP upgrade to the PUTNRS area and the service libraries.
- Merge from the production library into the PUTNRS library all of the members that were not affected by service.
- Delete all of the members in the production core image library.
- Copy everything in PUTNRS to the production core image library.
- If the component you are applying a PTF for has members in either the production relocatable or source statement library, they will be updated at this point as in the apply PUT dialog.
- User exit before backup of the service library.
- Back up the service library to tape.
- If any volumes were copied to tape, they will be restored at this time.
- The permanent LIBDEF chain is restored.

DIALOG: SRV$PTF

DIALOG NAME: Apply Cumulative PTF

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PTF

OTHER VSE/ICCF MEMBERS CREATED: (SRV$FCDT)

DIALOG DESCRIPTION:

This dialog creates the JCL to apply a program temporary fix (PTF). The PTF to be applied must be on a cumulative PTF tape.

The dialog will request the following information:

- The component ID of the product to which you are going to apply service
- Whether you wish to create backout PTFs
- Whether your service libraries are on disk or tape
- Whether you will restore your service libraries from tape, do you want to fast copy user data to tape
- Whether you want a backup of your production libraries before service
- Whether you wish to produce a dialog flow diagram describing the creation and manipulation of files and data with the produced JCL

JCL DESCRIPTION:

The following description is for a product that resides in production library A. Therefore, it is in the system core image library.

If all options are taken the JCL produced will:

- Back up your production libraries via the backup program.
- Fast Copy your user data on the packs that will be used to tape. (This is for device types of 3310, 3330, and 3340 only.)
- Initialize the volumes that were backed up to tape.
- Create a private system library (PUTNRS), and then delete any members copied by the create.
- Create a work history file (SAVEHST), and establish residence for the product to which you are going to apply service.
- Establish ownership for the product in the system history file.

- Create a set of private libraries that will be the target for selecting the PTF from the PUT tape (PUTCL1, PUTRL1, and PUTSL1).
- Select the PTF from the cumulative PTF file, and apply it to the libraries created above.
- Restore the service library from tape.
- Perform the MSHP upgrade to the PUTNRS area and the service library.
- Copy everything in PUTNRS to the production core image library.
- If the component for which you are applying a PTF has members in either the production relocatable or source statement library, they will be updated at this point as in the apply PUT dialog.
- User exit before backup of the service library.
- Back up the service library to tape.
- If any volumes were copied to tape, they will be restored at this time.
- The permanent LIBDEF chain is restored.

DIALOG: SRV$PTF

DIALOG NAME: Apply Backout PTF

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PTF

OTHER VSE/ICCF MEMBERS CREATED: (SRV$FCDT)

DIALOG DESCRIPTION:

This dialog creates the JCL to apply a backout PTF to your system. It is used to remove a PTF that is found to be in error after it has been installed on your system.

The dialog will request the following information:

- The component ID of the product
- Whether your service libraries are on disk or tape
- Whether you will restore your service libraries from tape, do you want to fast copy user data to tape
- Whether you want a backup of your production libraries before service
- Whether you wish to produce a dialog flow diagram describing the creation and manipulation of files and data with the produced JCL

JCL DESCRIPTION:

If all options are taken the JCL produced will:

- Back up your production libraries via the backup program.
- Fast copy your user data on the packs that will be used to tape. (This is for device types of 3310, 3330, and 3340 only.)
- Initialize the volumes that were backed up to tape.
- Create a private system (PUTNRS), and then delete any members copied by the create.
- Establish ownership for the product in the system history file.
- Copy the system history file to the save history file (SAVEHST).
- Restore the proper service library from tape.
- Select the PTF from the backout PTF files.
- Merge from the production library into the PUTNRS library all of the members that were not affected by service.

- Delete all of the members in the production core image library.
- Copy everything in PUTNRS to the production core image library.
- If the component for which you are applying a PTF has members in either the production relocatable or source statement library, they will be updated at this point as in the apply PUT dialog.
- User exit before backup of the service library.
- Back up the service library to tape.
- If any volumes were copied to tape, they will be restored at this time.
- The permanent LIBDEF chain is restored.

DIALOG: SRV$PUT

DIALOG NAME: Apply PUT

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PUT

OTHER VSE/ICCF MEMBERS CREATED: SRV$LIB, (SRV$FCDT)

DIALOG DESCRIPTION:

This is a common dialog and is called by the restart PUT and apply selective dialogs. Just the apply PUT is being described here. This dialog creates the JCL to apply a program update tape (PUT).

The dialog will request the following information:

- What service libraries will be serviced (identified by product contents)
- What products you wish to exclude from service
- What PTFs you wish to reject
- Whether you wish to create backout PTFs
- Whether your service libraries are on disk or tape
- If you will restore your service libraries from tape, do you want to Fast Copy user data to tape
- Whether you want a backup of your production libraries before service
- Whether you wish to produce a dialog flow diagram describing the creation and manipulation of files and data with the produced JCL.

JCL DESCRIPTION:

If all options are taken the JCL produced will:

- Back up your production libraries via the backup program.
- Fast Copy your user data on the packs that will be used to tape. (This is for device types of 3310, 3330, and 3340 only.)
- Initialize the volumes that were backed up to tape.
- Execute the MSHP preprocessor to restore the PUT libraries from tape to the PUTxL2 areas and then merge them into the PUTxL1 areas. The history file (PUTHST1) is created during the execution of this job.

- Move the PUTRL1 relocatable library to its normal area.

From this point on, we will loop through the service libraries applying service. We will explain library A first since it is a bit different due to the system core image library.

- Restore service library A from tape using the allocations found in the system profile tables.
- Create a system new residence file on another disk using the allocations for PUTNRS.
- Clear out all of the entries in this library. This is done to eliminate all of the $$ phases that were merged during the allocation.
- Copy the PUT history file (PUTHST1) to the PUT save history file (SAVEHST). Upgrades will be done from the save history file as the upgrade manipulates the from history file.
- Copy your system history file (SYSHST) to the work history file (WRKHST). This is done to ensure integrity of your system history file in case the PUT job stream abnormally terminates for some reason.
- Remove all of the components that are in the other service libraries from the PUT save history file. This is to eliminate multiple processing of the same PTFs by MSHP, and printing a lot of error messages that really are not errors.
- Establish library ownership for the work libraries and the service libraries using the MSHP residence statement.
- Upgrade the service libraries and the new system residence file. If you selected the backout PTF option, the backout PTFs are punched to tape at this time.
- Compile the supervisors that are found in the system profile tables. These supervisors will be cataloged into the new system residence file.
- Copy all phases that have not been changed from your system residence library to the new system residence file.
- Merge the procedure library into the new system residence file.
- Delete all modules in the production relocatable library for library A. This will make room for recreating this library with all of the newly serviced members. It also eliminates the possible need for a condense.
- Merge all of the production members from service relocatable library A into the production library.

- Repeat the same steps for the production source statement library.

[VM/VSE FEATURE NOTE] The following step is not performed in the VM/VSE environment if VSE/ICCF is not installed.

- Punch any I.books from the service library A source statement library to tape. This will be members for the VSE/ICCF DTSFILE.

- Remove any I.books from the service library A source statement library.

[VM/VSE FEATURE NOTE] The following step is not performed in the VM/VSE environment if VSE/ICCF is not installed.

- Execute the DTSUTIL program reading the input from the tape we just created. This will catalog the VSE/ICCF members into the DTSFILE. Ignore any error messages on SYSLST for the CATALS and BKEND statements.

- Pause on user exit. This allows you to perform any additional steps you wish on service library A before backing it up to tape. Of course you will have to do it from another partition.

- Back up service library A to tape.

- Back up the new system residence file to tape. You will later IPL this tape and restore it over your old system residence file.

- Copy the work history file (WORKHST) to the system history file (SYSHST).

For the rest of the service libraries the steps are the same with the exception of service library B. Service library B contains CICS and is rather large. Therefore, it is done last, and requires a second and third invocation of the MSHP preprocessor. The following describes libraries C - G.

- Restore the service library from tape.

- Accessing the system residence file that was created before as a private core image library (WORKCL) delete all of the entries in the library.

- Copy the PUT history file (PUTHST1) to the save history file (SAVEHST).

- Copy your system history file (SYSHST) to the work history file (WRKHST). This is done to ensure integrity of your system history file in case the PUT job stream abnormally terminates for some reason.

- Remove all of the components that are in the other service libraries from the PUT save history file.

- Establish library ownership for the work libraries and the service libraries using the MSHP residence statement.

- Upgrade the service libraries and the private core image library (WORKCL). If you selected the backout PTF option, the backout PTFs are punched to tape at this time.

- Copy all phases that have not been changed from your production core image library to the new private library (WORKCL).

- Delete all of the members in the production core image library. This sets the pointers back to zero and eliminates the need for a condense.

- Copy all of the members from the private core image library (WORKCL) to the now empty production core image library.

- Delete all modules in the production relocatable library.

- Merge all of the production members from the service relocatable library into the production library.

- Repeat the same steps for tne production source statement library.

[VM/VSE FEATURE NOTE] The following step is not performed in the VM/VSE environment if VSE/ICCF is not installed.

- If there are any products in the library that could have service for members in the VSE/ICCF DTSFILE, punch any I.books from the service library source statement library to tape. This will be members for the VSE/ICCF DTSFILE.

- If there are any products in the library that could have service for members in the VSE/ICCF DTSFILE, remove any I.books from the service library source statement library.

[VM/VSE FEATURE NOTE] The following step is not performed in the VM/VSE environment if VSE/ICCF is not installed.

- If you executed the above steps, execute the DTSUTIL program reading the input from the tape we just created. This will catalog the VSE/ICCF members into the DTSFILE. Ignore any error messages on SYSLST for the CATALS and BKEND statements.

- Pause on user exit. This allows you to perform any additional steps you wish on service the service library before backing it up to tape. Of course, you will have to do it from another partition

- Back up the service library to tape.

- Copy the work history file (WORKHST) to the system history file (SYSHST).

The above steps will be repeated for each service library with the exception of library B, which contains CICS. The steps for servicing library B are explained under the explanation for the restart PUT dialog.

- If any volumes were copied to tape they will be restored at this time.
- Retrace the system history file.
- The permanent LIBDEF chain is restored.

At this point, it is necessary to IPL the standalone tape that was created. This will replace your existing system residence file.

DIALOG: SRV$PUT

DIALOG NAME: Restart PUT

PREREQUISITE DIALOGS: SRV$PUT, (SRV$CMN)

DEFAULT JOB NAME CREATED: PUT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog and is called by the apply PUT and apply selective dialogs. Just the restart PUT is being described here. This dialog creates the JCL to restart the application of a PUT from a successful checkpoint. You will need to know the last checkpoint that was successfully passed. You will also need to re-enter all information originally supplied to the apply PUT dialogs after the checkpoint. See the apply PUT dialog description for the information required.

Correct execution of this dialog depends upon information passed from the apply PUT dialog.

JCL DESCRIPTION:

Correct execution of this JCL requires that the files generated during the execution of the apply PUT JCL are intact.

The following description is for service library B. It was run on a system that had all service libraries and was restarted at checkpoint 6.

- Execute the MSHP preprocessor including all of the products that are in library B.
- Move the relocatable library to its normal position (PUTRL1).
- Restore service library B.
- Create a private core image library that will be used as a target during the upgrade step.
- Delete anything in the library that was copied as a result of the previous allocate step.
- Copy the PUT history file (PUTHST1) to the PUT save history file (SAVEHST).
- Copy your system history file (SYSHST) to the work history file (WRKHST). This is done to ensure the integrity of your system history file in case the PUT job stream abnormally terminates for some reason.

- Remove all of the entries in the save history file (SAVEHST) that are not for products that are in service library B.
- Establish residence for the products in service library B.
- Upgrade the private core image library (WORKCL) and service library B.
- Copy all of the phases from the original production library B that have not been affected by the application of service.
- Delete all of the members in production core image library B.
- Copy all members from the work core image library (WORKCL) into the production core image library B.
- Delete all modules in the production relocatable library.
- Merge all of the production members from the service relocatable library into the production library.
- Repeat the same steps for the production source statement library.
- Pause on user exit. This allows you to perform any additional steps you wish on service library B before backing it up to tape. Of course, you will have to do it from another partition.
- Back up updated service library to tape.
- Copy the work history file (WORKHST) to the system history file (SYSHST).
- The above steps are then repeated for service library E. Service library E contains CICS/VS Tertiary and Macro libraries. Another execution of the MSHP preprocessor is required because of library size constraints. There are no core image or relocatable libraries in service library set E. Therefore, some steps will be omitted. The following steps are then executed.
- If any volumes were copied to tape they will be restored at this time.
- Retrace the system history file.
- The permanent LIBDEF chain is restored.

DIALOG: SRV$PUT

DIALOG NAME: Apply Selective PUT

PREREQUISITE DIALOGS: (SRV$CMN)

DEFAULT JOB NAME CREATED: PUT

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog and is called by the apply PUT and restart PUT dialogs. Just the apply selective PUT is being described here. This dialog creates the JCL to apply one or more selected products from the PUT tape. You will need to know the three-digit component level code (CLC). This information is available with the machine-readable PUT documentation on the PUT tape. You will also need to input the standard PUT information, (should the service library be restored etc.).

JCL DESCRIPTION:

The following description is for application of the PUT files to service library B. It describes the JCL produced for a mixed architecture environment. In this particular case, DOSRES, SYSWK1, and SYSWK4 were 3310s, and SYSWK2 and SYSWK3 were 3340 device types.

If all options are taken the JCL produced will:

- Back up your production libraries via the backup program.
- Fast copy your user data on the packs that will be used to tape.
- Initialize the volumes that were backed up to tape.
- Execute the MSHP preprocessor to restore the PUT libraries from tape to the PUTxL2 areas and then merge them into the PUTxL1 areas. The history file (PUTHST1) is created during the execution of this job.
- Move the PUTRL1 relocatable library to its normal area.
- Restore service library B from tape.
- Create private core image library (PUTNRS)
- Copy the PUT history file (PUTHIST1) to the save history file (SAVEHST).
- Copy your system history file (SYSHST) to the work history file (WORKHST). This is done to insure integrity of your system history file in case the PUT job stream abnormally terminates.

- Remove all of the entries in the save history file (SAVEHST) for components in other service libraries.
- Establish residence in work history file (WORKHST) for the products in service library B.
- MSHP upgrade with target of private core image library (PUTNRS) and service library B.
- Back up the private core image library to tape (PUTNRS).
- Restore the library to SYSWK1 as a private core image library (SYSNRS).
- Copy all of the members from production library B (PRDCLB) that were not affected by service to the private core image library (SYSNRS).
- Delete all of the members in production library B (PRDCLB).
- Copy all of the original and serviced phases from the private work library (SYSNRS) to production core image library B (PRDCLB).
- Create a private relocatable library on SYSWK3 (WORKRL) overlaying the PUTNRS area.
- Copy all of the relocatable modules that reside in production relocatable library B (PRDRLB) from service relocatable library B (SRVRLB). This includes any modules that were serviced.
- Back up the work library (WORKRL) to tape.
- Restore this tape over the top of production relocatable library B (PRDRLB).
- Repeat the above four steps for the source statement library.
- Pause for a user exit on service library B.
- Back up and retain service library B to tape.
- Copy the work history file (WORKHST) to the system history file (SYSHST).
- Fast copy from tape the user data for SYSWK2 and SYSWK3.
- Retrace the system history file (SYSHST).
- Restore the permanent LIBDEF search chain.

DIALOG: SRV$REM

DIALOG NAME: Remove History Record

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: REMOVE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to invoke the remove feature of MSHP. You may use it for removing the history file entry for an APAR/LOCAL fix or for a PTF entry.

Note: This dialog only removes the entry from the history file. The actual code for the APAR/LOCAL fix or PTF is still on your system.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$RET

DIALOG NAME: Retrace History

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RETRACE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to invoke the retrace feature of MSHP. There are several options of what information to print. Details of what will be printed for each option are provided on the explain panels.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$RHS

DIALOG NAME: Restore History File

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RESTORE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog creates the JCL to invoke the restore history file feature of MSHP. It will copy your existing history file, defined by your standard labels, from tape to disk.

JCL DESCRIPTION:

The JCL invokes MSHP passing control statements built from your input.

DIALOG: SRV$UND

DIALOG NAME: Undo Core Image

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: UNDO

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog called by the undo relocatable dialog as well. It will invoke MSHP to remove a ZAP that was applied to the core image library. It will also remove the information from the system history file. It is necessary that the fix have been applied with the revokable option in order to use this function.

JCL DESCRIPTION:

A single job is produced. It invokes MSHP and uses the information stored in the system history file.

DIALOG: SRV$UND

DIALOG NAME: Undo Relocatable

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: UNDO

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This is a common dialog called by the undo core image dialog as well. It will invoke MSHP to remove a REP that was applied to the core image library. It will also remove the information from the system history file, and, if the fix was link-edited into the core image library, it will cause a new link-edit to remove the fix from the core image library. It is necessary that the fix have been applied with the revokable option in order to use this function.

JCL DESCRIPTION:

A single job is produced. It invokes MSHP and uses the information stored in the system history file.

[VM/VSE FEATURE NOTE] In the VM/VSE environment, the following thirteen dialogs (from SYI$1 through SYI$13) are named with prefixes beginning with VMT$ instead of SYI$.

DIALOG: SYI$1

DIALOG NAME: Introduction

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Brief overview of both the first use tutorial and the Interactive Productivity Facility.

JCL DESCRIPTION: None

DIALOG: SYI$2

DIALOG NAME: Adjusting Screen

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to adjust the brightness and contrast.

JCL DESCRIPTION: None

DIALOG: SYI$3

DIALOG NAME: Exiting

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to exit from the Interactive Productivity Facility and return to the underlying system (CMS for VM or ICCF for VSE).

JCL DESCRIPTION: None

DIALOG: SYI$4

DIALOG NAME: Cursor Movement

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to use the arrow and tab keys to position the cursor to a desired location on the screen.

JCL DESCRIPTION: None

DIALOG: SYI$5

DIALOG NAME: Indicators

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Describes the meaning and use of the input inhibited, system available, and insert mode indicators for the 3277 and similar indicators for the 3278.

JCL DESCRIPTION: None

DIALOG: SYI$6

DIALOG NAME: Management/Use

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Describes these two basic areas of system activity and shows examples.

JCL DESCRIPTION: None

DIALOG: SYI$7

DIALOG NAME: Menu Panel

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Describes the use of the menu panel in dialogs and what the service line of options will do for you when selected.

JCL DESCRIPTION: None

DIALOG: SYI$8

DIALOG NAME: Data Entry Panel

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Describes the use of the data entry panel in dialogs and what the service line of options will do for you when selected.

JCL DESCRIPTION: None

DIALOG: SYI$9

DIALOG NAME: Explain Panel

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

Describes the use of the explain panel in dialogs and what the service line of options will do for you when selected. The OVERVIEW option is also explained and examples shown.

JCL DESCRIPTION: None

DIALOG: SYI$10

DIALOG NAME: Insert/Delete

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to use the INS MODE, DEL, and ERASE keys.

JCL DESCRIPTION: None

DIALOG: SYI$11

DIALOG NAME: Other Keys

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to use the CLEAR, program function (PF), and APL ON/OFF keys.

JCL DESCRIPTION: None

DIALOG: SYI$12

DIALOG NAME: Light-pen

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to use the light-pen in responding to panels that contain detectable fields.

JCL DESCRIPTION: None

DIALOG: SYI$13

DIALOG NAME: Fast Path

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: None

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

How to use the =panelname command to move quickly to any menu.

JCL DESCRIPTION: None

DIALOG: TAS$MAS

DIALOG NAME: ASI Procedure Tailoring

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: ASIPROC

OTHER VSE/ICCF MEMBERS CREATED: TAS$SDWK, (TAS$SD11 - 40)

DIALOG DESCRIPTION:

This dialog is used to prepare automated system initialization (ASI) procedures to make it easy to start up your system. You will choose one or all of the fifteen ASI procedures during the first use dialog. You may also migrate ASI tables from prior releases. The ASI procedure(s) chosen will be used by this dialog as a prototype for building your own ASI procedure. Even if you will not make any changes to the prototype, you should still execute this dialog as several commands needed at initial install will be deleted here. Also, new standard labels on libraries require a new ASI procedure to be generated.

JCL DESCRIPTION:

The JCL created by this dialog consists of one IPL procedure and several JCL procedures that will be cataloged to the procedure library. If a procedure by the same name is already in the library, it will be renamed to save it. The old IPL procedure will be renamed $IPLSAV. The old JCL procedures will be renamed $XJCLSAV, where X is the partition ID. After the JCL is submitted to VSE/POWER, the procedure cataloged, and you have verified that there were no errors, you should perform another initial program load (IPL). The IPL will also set up USRSL1 as the source library that VSE/POWER will use for source library inclusion (SLI). Some verification job streams require SLI for proper execution.

DIALOG: TCI$AFC

DIALOG NAME: CICS Tailoring: Add Data Set

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: FCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FCnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, a new table is initialized. You are then asked to enter the name of the file, its type, and allowable modes of access. If the file is a DL/I file, only the name and type are used. If the file already exists in the table, the old entry will not be overlaid. When all the descriptive information has been entered a test is made for the presence of segmented records or an indirect access data set. If an indirect access data set is specified, you are prompted for indirect access specifications. No test is made for the presence of the specified object data set. If segmented records are specified, you are prompted to enter segment specifications until the last segment has been described. Indirect access and segmented records are mutually exclusive specifications. When all the information about the data set has been entered, you are given the opportunity to enter another data set or end the function. When the last entry has been made, entries for the FCT are generated. JCL is generated to assemble and catalog the table. Entries required for installed optional products are picked up automatically. There are no required FCT entries for CICS or ICCF.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS FCT in the System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$APC

DIALOG NAME: CICS Tailoring: Add Transaction

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: PCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$PCnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist a new table is initialized. You are then asked to enter the name of the transaction, its associated program, and how it will be used. If the transaction already exists in the table, the old entry will not be overlaid. When the last entry has been made, entries for the PCT are generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PCT in the System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$APP

DIALOG NAME: CICS Tailoring: Add Program

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: PPT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$PPnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist a new table is initialized. You are then asked to enter the name of the program, the language, and the frequency of use. If the program already exists in the table, the old entry will not be overlaid. When the last entry has been made, entries for both the PPT and ALT are generated except when the program usage is low. In that case, no ALT entry is generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PPT and ALT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$ATC

DIALOG NAME: Add Terminal

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: TCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FEAT, TCI$FTnn, TCI$LUnn, TCI$RMnn, TCI$SDnn, TCI$TCnn, TCI$TRnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

This dialog will allow you to create and add terminals to your terminal control table (TCT). You will need to know the characteristics of your terminals and lines before tailoring the TCT.

The terminals you will be adding to your TCT may be attached to a BTAM network only.

You will be asked to supply a suffix for this TCT which will be be reflected in the VSE/ICCF members, as well as the phase name of the TCT which will be cataloged into the core image library. This suffix is not related to the preassembled TCTs as supplied in the CICS/VS core image library.

The type of terminals which may be added to your TCT using this tailoring dialog are 3277, 3276, 3278, 3284, 3286, 3287, 3288, and 3289.

The type of remote line to which the above terminals may be attached is a binary synchronous transmission line (BISYNC) with the transmission in extended binary coded decimal interchange code (EBCDIC). The line connection must be dedicated (nonswitched). For local attachment, the above terminals may attach to a 3272, 3274, or 3276. The access method used is the Basic Telecommunications Access Method (BTAM-ES).

You will add terminals to the TCT according to the line to which they will be attached. For example, if you have five terminals to be attached to a local control unit, and six terminals to be attached to a remote line, you will add all the terminals associated with either the local control unit or the remote line and then add the other group of terminals.

You will be asked for a DATA SET CONTROL NAME to be associated with each group of terminals. This name must be unique for each group of terminals. You may enter this dialog at a later date and add terminals to an existing group in which case you would need to know the data set control name you had provided. To assist you with the selection of a data set control name, the names that have already been defined for your system are displayed. VTAM is a reserved word

and may not be used as the data set control name for a group of terminals.

You will be asked the type of line for the group of terminals being added. Your response will be either LOCAL or REMOTE. If the response is remote, you will be asked to provide the PROGRAMMER LOGICAL UNIT to be assigned to the line. This is in the format of SYSNNN where NNN is a number that will appear in the // ASSGN SYSNNN card of the CICS/VS startup job stream. You will also be asked to provide a relative control unit number for each remote control unit on each line. This dialog allows you to add 32 terminals to each remote control unit and allows you to have four control units for each remote line. Each local control unit may also have 32 terminals.

At this point, the dialog will ask you for specific information about each terminal to be added to the terminal group.

The dialog will ask you for a unique four-character identification for each terminal. The previously used terminal IDs will be displayed for you at this time.

The dialog will then ask you for the type and model of terminal to be added to the TCT. Valid terminal types are 3276, 3277, 3278, 3284, 3286, 3287, 3288, or 3289. The valid models are either 1 or 2, except for the 3276 and 3278, which may also be model 3 or 4, and the 3288 which may only be a model 2. Note that model 3 or 4 will be generated in the created job stream as a model 2.

If you are adding to a local line group, the dialog will ask for the programmer logical unit that will be assigned to this terminal.

You are now asked for the features that are on the terminal you are adding. For the display terminals (3277, 3276, or 3278), the features that are possible are selector pen, audible alarm, copy, typewriter and/or operator console keyboard, translate lowercase to uppercase, APL text, APL keyboard, and text keyboard. For the printer terminals (3284, 3286, 3287, 3288, or 3288), the features are copy, print, and text print.

After entering all your responses correctly for the first terminal, you will have the chance to enter the same information for each additional terminal you wish to add to the same line group.

When finished with adding all the terminals for one terminal group, you may continue to add a second terminal group with its associated terminals.

You will have the option of specifying an existing VSE/ICCF member to be inserted into the generated TCT assembly. This inserted VSE/ICCF member would include TCT entries that are in addition to the entries you have entered via the dialog.

After adding all your terminals, the dialog will give you a choice of canceling all changes, updating the table without assembling, or updating the table and assembling the new TCT.

If at any point you type or probe CANCEL on the command line, none of the responses will be saved.

JCL DESCRIPTION:

The JCL created by this dialog will assemble and catalog a TCT to the user's core image library with a phase name of DFHTCT(suffix). The TCT entries for this assembly will be generated using the supplied information from the dialog. To test the new TCT you must reassemble the currently used DFHSIT table with TCT=nn, where nn is the suffix supplied in the dialog or have a DFHSIT override of TCT=nn.

If you have selected to insert an VSE/ICCF member within the TCT assemble, you may have assembly errors. The entries included in this manner are included in the table as is. They are not checked by the dialog for validity. Since the individual entries in this file cannot be examined, the dialog cannot check that any further entry you make via the dialog is not in conflict with an entry defined in the VSE/ICCF member you included. Also, the delete and modify dialogs cannot update entries in your included file. You will get the full benefit of the table preparation dialogs only if you use the dialogs exclusively to add entries to your table.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B which contains the necessary macros.

DIALOG: TCI$CFC

DIALOG NAME: CICS Tailoring: Change Data Set

PREREQUISITE DIALOGS: TCI$AFC

DEFAULT JOB NAME CREATED: FCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FCnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist an error message is displayed. You are asked for the name of the file specification to be changed. If the file does not exist in the table, an error message is displayed. If the file already exists in the table, you are then asked to enter the name of the file, its type, and allowable modes of access. If the file is a DL/I file, only the name and type are used. If the name of the file is changed, a new entry with that name will be created. The old entry is not overlaid. All other changes affect the file entry selected. When all the descriptive information has been entered, a test is made for the presence of segmented records or an indirect access data set. If an indirect access data set is specified, you are prompted for indirect access specifications. No test is made for the presence of the specified object data set. If segmented records are specified, you are prompted to enter segment specifications. When the last segment of the current specification has been displayed you are given the opportunity to enter additional segment specifications.

Note: Indirect access and segmented records are mutually exclusive specifications. When all the information about the data set has been entered you are given the opportunity to change another data set or end the function. When the last entry has been made, entries for the FCT are generated. JCL is generated to assemble and catalog the table. Entries required for installed optional products are picked up automatically. There are no required FCT entries for CICS or ICCF.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS FCT in the System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$CPC

DIALOG NAME: CICS Tailoring: Change Transaction

PREREQUISITE DIALOGS: TCI$APC

DEFAULT JOB NAME CREATED: PCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$PCnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, an error message is displayed. You are then asked to enter the name of the transaction. If the transaction already exists in the table, the old entry will be displayed, and you may then modify the parameters. When the last change has been made, entries for the PPT are generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PCT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B which contains the necessary macros.

DIALOG: TCI$CPP

DIALOG NAME: CICS Tailoring: Change Program

PREREQUISITE DIALOGS: TCI$APP

DEFAULT JOB NAME CREATED: PPT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$PPnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, an error message is displayed. You are then asked to enter the name of the program. If the program already exists in the table, the old entry will be displayed, and you may then modify the parameters. When the last change has been made, entries for both the PPT and ALT are generated except when the program usage is low. In that case, no ALT entry is generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PPT and ALT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$CTC

DIALOG NAME: Change Terminal

PREREQUISITE DIALOGS: TCI$ATC

DEFAULT JOB NAME CREATED: TCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FEAT, TCI$FTnn, TCI$LUnn, TCI$RMnn, TCI$SDnn, TCI$TCnn, TCI$TRnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

This dialog will allow you to change the characteristics of your terminals that have been added to your terminal control table (TCT).

You will be asked to supply the suffix for the TCT that contains the terminals you want to change. This suffix is the same suffix you supplied when you added to the TCT and is not related to the preassembled TCTs as supplied in the CICS/VS core image library.

The dialog will ask you for the unique four-character identification of the terminal you want to change. The terminal IDs used when the terminals were added will be displayed.

The dialog will then display the terminal type and terminal model as it was supplied when the terminal was added and give you a chance to change either the type or model. Valid terminal types are 3276, 3277, 3278, 3284, 3286, 3287, 3288, or 3289. The valid models are either 1 or 2, except for the 3276 and 3278, which may also be model 3 or 4, and the 3288, which may only be a model 2. Note that model 3 or 4 will be generated in the created job stream as a model 2.

The dialog will then display the features for this terminal and allow them to be changed. For the display terminals (3277, 3276, or 3278), the features that are possible are selector pen, audible alarm, copy, typewriter and/or operator console keyboard, translate lowercase to uppercase, APL text, APL keyboard, and text keyboard. For the printer terminals (3284, 3286, 3287, 3288, or 3288), the features are copy, print, and text print.

If the terminal you are changing is attached to a local control unit, the dialog will display the associated programmer logical unit and allow a different programmer logical unit to be entered.

After making all necessary changes to the first terminal, you will have the chance to enter the same information for each additional terminal you wish to change.

As with adding to the TCT, you have the option of specifying an existing VSE/ICCF member to be inserted into the generated TCT

assembly. This inserted VSE/ICCF member would include TCT entries that are in addition to the entries you have changed via the dialog.

After changing all your terminals, the dialog will give you a choice of cancelling all changes, updating the table without assembling, or updating the table and assembling the new TCT.

If at any point you type or probe CANCEL on the command line, none of the responses will be saved.

JCL DESCRIPTION:

The JCL created by this dialog will assemble and catalog a TCT to the users core image library with a phase name of DFHTCT(suffix). The TCT entries for this assembly will be generated using the supplied information from the dialog. To test the new TCT, you must reassemble the currently used DFHSIT table with TCT=nn where nn is the suffix supplied in the dialog, or have a DFHSIT override of TCT=nn.

If you have selected to insert an VSE/ICCF member within the TCT assemble, you may have assembly errors. The entries included in this manner are included in the table as is. They are not checked by the dialog for validity. Since the individual entries in this file cannot be examined, the dialog cannot check that any further entry you make via the dialog is not in conflict with an entry defined in the VSE/ICCF member you included.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$DFC

DIALOG NAME: CICS Tailoring: Delete Data Set

PREREQUISITE DIALOGS: TCI$AFC

DEFAULT JOB NAME CREATED: FCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FCnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, an error message is displayed. You are then asked to enter the name of the file If the file specification already exists in the table, the old entry will be deleted. If the transaction does not exist, an error message is displayed. When the last deletion has been made, entries for the FCT are generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PCT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$DPC

DIALOG NAME: CICS Tailoring: Delete Transaction

PREREQUISITE DIALOGS: TCI$APC

DEFAULT JOB NAME CREATED: PCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CkEATED: TCI$PCnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, an error message is displayed. You are then asked to enter the name of the transaction. If the transaction already exists in the table, the old entry will be deleted. If the transaction does not exist, an error message is displayed. When the last deletion has been made, entries for the PCT are generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PCT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$DPP

DIALOG NAME: CICS Tailoring: Delete Program

PREREQUISITE DIALOGS: TCI$APP

DEFAULT JOB NAME CREATED: PPT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$PPnn, (where nn is the suffix of the table)

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, the table is opened. If the table does not exist, an error message is displayed. You are then asked to enter the name of the program. If the program already exists in the table, the old entry will be deleted. If the program does not exist, an error message is displayed. When the last deletion has been made, entries for both the PPT and ALT are generated except when the program usage is low. In that case, no ALT entry is generated. JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PPT and ALT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$DTC

DIALOG NAME: Delete Terminal

PREREQUISITE DIALOGS: TCI$ATC

DEFAULT JOB NAME CREATED: TCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: TCI$FEAT, TCI$FTnn, TCI$LUnn, TCI$RMnn, TCI$sdnn, TCI$TCnn, TCI$TRnn (where nn is the suffix of the table)

DIALOG DESCRIPTION:

This dialog will allow you to delete terminals from your terminal control table (TCT).

You will be asked to supply the suffix of the TCT from which you want to delete the terminals. This suffix is the same suffix you supplied when you added to the TCT and is not related to the preassembled TCTs as supplied in the CICS/VS core image library.

The dialog gives you a choice of deleting an entire group of terminals or one terminal at a time.

If you select to delete an entire group of terminals, the dialog will ask you to supply the data set control name for the group to be deleted. This is the same name you used when the terminals were added, and the dialog will display all the data set control names used for this TCT.

To delete an individual terminal you will need to know the terminal ID you supplied when the terminal was added to the TCT. Again the dialog will display all the terminal IDs used. You may delete more than one terminal if you select to delete one terminal at a time.

As with adding to the TCT, you have the option of specifying an existing VSE/ICCF member to be inserted into the generated TCT assembly. This inserted VSE/ICCF member would include TCT entries that are in addition to the entries you have not deleted via the dialog.

After deleting all your terminals, the dialog will give you a choice of cancelling all changes, updating the table without assembling, or updating the table and assembling the new TCT.

If at any point you type or probe CANCEL on the command line, none of the responses will be saved.

JCL DESCRIPTION:

The JCL created by this dialog will assemble and catalog a TCT to the users core image library with a phase name of DFHTCT(suffix). The TCT

entries for this assembly will be generated using the supplied information from the dialog. To test the new TCT, you must reassemble the currently used DFHSIT table with TCT=nn, where nn is the suffix supplied in the dialog or have a DFHSIT override of TCT=nn.

If you have selected to insert an VSE/ICCF member within the TCT assemble, you may have assembly errors. The entries included in this manner are included in the table as is. They are not checked by the dialog for validity. Since the individual entries in this file cannot be examined, the dialog cannot check that any further entry you make via the dialog is not in conflict with an entry defined in the VSE/ICCF member you included.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$MFC

DIALOG NAME: CICS Tailoring: Assemble/Catalog File Table

PREREQUISITE DIALOGS: TCI$AFC

DEFAULT JOB NAME CREATED: FCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, JCL is generated to assemble and catalog the table. Entries required for installed optional products are picked up automatically. If the table does not exist, an error message is displayed. No changes are made to any of the table entries.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS FCT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$MPC

DIALOG NAME: CICS Tailoring: Assemble/Catalog Transaction Table

PREREQUISITE DIALOGS: TCI$APC

DEFAULT JOB NAME CREATED: PCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically. If the table does not exist, an error message is displayed. No changes are made to any of the table entries.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PCT in the VSE System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$MPP

DIALOG NAME: CICS Tailoring: Assemble/Catalog Program Table

PREREQUISITE DIALOGS: TCI$APP

DEFAULT JOB NAME CREATED: PPT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

You are asked for the table suffix. If a table with the specified suffix already exists, JCL is generated to assemble and catalog the table. Entries required for CICS, ICCF, and other installed optional products are picked up automatically. If the table does not exist, an error message is displayed. No changes are made to any of the table entries.

JCL DESCRIPTION:

The generated JCL is that required to assemble and catalog a CICS PPT and ALT in the System IPO/E supplied system. If the job should fail, first ensure that the CICS macro library and the target core image library are available.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TCI$MTC

DIALOG NAME: Assemble/Catalog Terminal

PREREQUISITE DIALOGS: TCI$ATC

DEFAULT JOB NAME CREATED: TCT$ASnn (where nn is the suffix of the table)

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will allow you to assemble and catalog a previously tailored terminal control table (TCT).

You will be asked to supply the suffix of the TCT you want to assemble and catalog. This suffix is the same suffix you supplied when you added to the TCT and is not related to the preassembled TCTs as supplied in the CICS/VS core image library.

As with adding to the TCT, you have the option of specifying an existing VSE/ICCF member to be inserted into the generated TCT assembly. This inserted VSE/ICCF member would include TCT entries that are in addition to the entries you have added, deleted, or changed via the dialogs.

JCL DESCRIPTION:

The JCL created by this dialog will assemble and catalog a TCT to the users core image library with a phase name of DFHTCT(suffix). The TCT entries for this assembly will be generated using the supplied information from the previous TCT tailoring dialogs. To test the new TCT, you must reassemble the currently used DFHSIT table with TCT=nn, where nn is the suffix supplied in the dialog or have a DFHSIT override of TCT=nn.

If you have selected to insert an VSE/ICCF member within the TCT assemble, you may have assembly errors. The entries included in this manner are included in the table as is. They are not checked by the dialog for validity.

All CICS/VS tables are link-edited into user core image library 1 (USRCL1). The assembly JCL assumes that the ASI procedure has set up a permanent search to point to a source statement library containing CICS/VS macros. In the System IPO/E system, the standard ASI procedure sets up a search for production source statement library B, which contains the necessary macros.

DIALOG: TEP$ASM

DIALOG NAME: EP/VS

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: EPIPF
EPSTG1
EPSTG2

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in building the job streams necessary to generate an EP/VS control program. You will be asked for information about your 370X and the lines attached to it.

JCL DESCRIPTION:

The EP/VS dialog builds three job streams. The first job stream, with a default name of EPIPF, catalogs the EP/VS generation macros (which are created based on your responses to the EP/VS panels) to user source statement library USRSL1. You should run the EP verify job and read its output before you use the output from this dialog.

The second job stream, with a default name of EPSTG1, submits the EP/VS generation macros to stage one of the EP/VS generation procedure. Stage one of the generation procedure produces an object module and an assembler listing. This job stream will catalog the object module to a user relocatable library. Check the assembler listing for error messages. If there are any errors, you must correct them before continuing with the generation procedure.

The third job stream, with a default name of EPSTG2, submits EP/VS to stage two of the EP/VS generation procedure. In the third job stream, you will find some include statements. Make sure that these include statements match the ones in your assembler listing from stage 1 of the generation procedure. If the statements do not match, change the third job stream to match your assembler listing.

In stage two of the generation procedure, the object module that was created and cataloged in stage one of the generation procedure is link-edited to produce a load module. Then this load module is moved from the core image library to a file where the EP/VS loader will be able to find it. At the end of the third job stream you will find the statements needed to move this module from the core image library. Finish the dlbl and extent statements by assigning them to two available cylinders from a disk pack.

When you have finished generating EP/VS, you will need to load EP/VS in your 370X controller. See the EP/VS Generation and Utilities Manual (SC30-3116) for further information on loading EP/VS.

DIALOG: TPW$ASM

DIALOG NAME: VSE/POWER Tailoring

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DTRPOWER

OTHER VSE/ICCF MEMBERS CREATED: TPW$ASMT, TPW$ASME, TPW$ASMF (temporary)

DIALOG DESCRIPTION:

This dialog is used to change certain VSE/POWER parameters from their current or initial values.

JCL DESCRIPTION:

The JCL created will:

- Back up work pack, if required
- Restore service library A, if required
- Assemble new VSE/POWER phase and catalog it in user core image library 1
- Restore work pack, if required

DIALOG: TRJ$ASM

DIALOG NAME: VSE/POWER RJE Tailoring

PREREQUISITE DIALOGS: TPW$ASM

DEFAULT JOB NAME CREATED: TRJxxxx (where xxxx is generated from the system definition name provided by you during VSE/POWER RJE tailoring)

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

The system supplied VSE/POWER RJE and user defined specifications can be displayed for use in creating new specifications, should you need multiple RJE systems.

To facilitate creating an updating of a VSE/POWER RJE system, the Interactive Productivity Facility tailoring dialogs supports the following subsets of parameters:

- BSC line definitions
- SNA terminal definitions
- BSC terminal definitions
- 3780 definition
- 2770, 2780 definition

You may select a saved set of specifications, and edit only the parameters requiring change.

The VSE/POWER RJE dialogs provide the following functions:

- Create a completely new VSE/POWER RJE definition
- Update an existing VSE/POWER RJE definition
- Add additional lines and terminals to your present RJE system
- Modify an existing entry in your present RJE system
- Delete an existing entry from your present RJE system
- Delete a complete RJE system definition

Panel TRJ$ASM1 is the key to using the VSE/POWER RJE dialogs. It specifies what RJE definition is to be used as the default for this iteration, and what the name of the new definition (SAVE NAME) will be. If the DEFAULT NAME is different from the SAVE NAME and the SAVE NAME is not blank, the create function will be executed. If the SAVE

NAME is the same as the DEFAULT NAME, or the SAVE NAME is blank, the update function will be executed. At no time are you allowed to create a definition with the same name as the VSE/POWER RJE default definition (POW001); nor can you update that definition.

The POW001 default should be used as an example. However, if you wish to assemble the default, you must perform the ADD function of VSE/POWER RJE using all the default parameters. This will create a new definition containing the same definition as the default.

JCL DESCRIPTION:

The JCL generated is a VSE/Advanced Function job stream that contains the VSE/POWER and VSE/POWER RJE definition parameters and JCL to assemble your VSE/POWER RJE system and link-edit it into user library A.

DIALOG: TSA$MAS

DIALOG NAME: Generate VSE Supervisor Assembly

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: SUPVRGEN
SUPVDELX (where X is the last letter in the supervisor name)

OTHER VSE/ICCF MEMBERS CREATED: TSA$SUP, (TSA$TAW)

DIALOG DESCRIPTION:

This dialog presents a series of panels to generate a job stream to assemble a supervisor tailored to your installation. The assembly may produce a full listing with cross reference based on the option chosen. This dialog also allows you to delete set(s) of supervisor specifications from Interactive Productivity Facility and the core image library. You should delete all specifications that you do not use.

JCL DESCRIPTION:

The JCL created will assemble a supervisor with the parameters you selected from the panels. The supervisor will be link-edited into your system core image library (PROD.CORE.IMAGE.A).

DIALOG: UTA$FCB

DIALOG NAME: Maintain FCB

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CATALFCB

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog helps you assemble and catalog previously tailored printer forms control buffers (FCBs).

You will be asked to select a function to add, replace, browse, delete, or submit. If you select browse, delete, or submit, you will have to specify what FCBs you wish to maintain or submit to VSE. If you select submit, a job stream that runs in a VSE partition will be created to catalog the FCB phases in the VSE core image library you select.

JCL DESCRIPTION:

The JCL created by this dialog will assemble and catalog all the selected FCB entries in a VSE core image library. After they have been cataloged, you can test your new phases by loading them with a LFCB operator command or by using the FCB parameter of the VSE/POWER LST control statement. If you use the VSE/POWER LST statement, the core image library used should have been previously defined in the core image library chain (LIBDEF statement) of the VSE/POWER partition.

DIALOG: UTA$PPM

[VM/VSE FEATURE NOTE] (This dialog is not supported in the VM/VSE environment)

DIALOG NAME: Print Panels (valid only under VSE/ICCF)

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: PANELIST

DIALOG DESCRIPTION:

This activity helps you to create the job stream required to print Interactive Productivity Facility panels. It runs in a VSE partition. The output from the job is directed to the VSE/POWER punch queue with the disposition I and the same priority and class. When this new job is executed, it prints the panel list you requested on the logical unit SYSLST.

JCL DESCRIPTION:

This dialog will produce a job stream to be submitted to VSE.

DIALOG: UTA$SEL

[VM/VSE FEATURE NOTE] (This dialog is not supported in the VM/VSE environment)

DIALOG NAME: Select Job from a SYSIN Tape (valid only under VSE/ICCF)

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: GETJOB

OTHER VSE/ICCF MEMBERS CREATED: UTA$JOB

DIALOG DESCRIPTION:

This activity helps you to create the job stream required to select a job from a SYSIN tape. It will run in a VSE partition. The output from the job is directed to the VSE/POWER punch queue. When the job is completed, you can read and edit the selected job by issuing the VSE/ICCF macro: @UTA$JOB; then, it will be ready for modification.

JCL DESCRIPTION:

This dialog will produce:

- A job stream to be submitted to VSE
- A VSE/ICCF macro

DIALOG: UTL$COP

DIALOG NAME: Copy Diskette Utilities

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: COPY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to help you use the COPY DISKETTE utilities by prompting you for the proper information to generate the appropriate JCL.

The copy diskette dialog requests the following information:

- Input diskette address
- Output diskette address
- Volume serial number (optional)

JCL DESCRIPTION:

The JCL created by this dialog consists of COPY DISKETTE utility statements and required assignments.

DIALOG: UTL$CRE

DIALOG NAME: Library Backup

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: CREATE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to assist you in creating JCL to back up your system and private libraries to tape. Either the assign control or concatenation method of assigning libraries may be used.

Note: For backup of any system or user library you should use the library information dialog to add or change information and use the backup library sets dialog of the librarian function to back up the libraries. You are prompted to provide the following information:

- Whether you will use the assign or concatenation method of backup
- Which library type you wish to back up
- Tape unit address and optional alternate tape address
- Whether you will use streaming mode for 8809 tape drives
- Whether you wish to create a standalone restore tape
- Whether you wish the core image library sorted
- File ID and volume serial of your DASD
- For concatenation method:
  - Whether you will back up by name, chain, or both ways
  - Name(s) of the libraries you wish backed up by name or chain

JCL DESCRIPTION:

The JCL created by this dialog consists of BACKUP utility statements and required ASSGN or LIBDEF statements.

DIALOG: UTL$DMP

DIALOG NAME: Fast Copy - Backup Disk to Tape

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: DUMP

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in creating JCL to back up files or volumes from disk to tape. The backup will be performed by the Fast Copy utility.

The information needed to use Fast Copy is:

- Whether you wish to copy a volume or a file
- Tape and DASD address
- DASD type
- Volume serial of tape and DASD
- Whether you will use streaming mode for tape
- Whether you wish a labeled tape
- Whether you will exclude certain files

JCL DESCRIPTION:

The JCL created by this dialog consists of Fast Copy utility statements and required ASSGN statements.

DIALOG: UTL$DSP

DIALOG NAME: Display VTOC Utilities

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: LVTOC

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to help you use the DISPLAY VTOC utility by prompting you for the proper information to generate the appropriate JCL.

The display VTOC dialog requests the following information:

- Address of disk
- Printer address (optional)

JCL DESCRIPTION:

The JCL created by this dialog consists of DISPLAY VTOC utility statements and required assignments.

DIALOG: UTL$FCY

DIALOG NAME: Fast Copy - Copy Disk to Disk

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: FCOPY

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to assist you in creating JCL to copy volumes or files from disk to disk.

The information needed to use Fast Copy is:

- DASD address
- DASD type
- Volume serial
- Start location
- For file copy:
  - Start location
  - File length

JCL DESCRIPTION:

The JCL created by this dialog consists of Fast Copy utility statements and required ASSGN statements.

DIALOG: UTL$RES

DIALOG NAME: Library Restore

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RESTORE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog is used to assist you in creating JCL to restore your system and private libraries from a tape that was created by the BACKUP program. Either the assign control or concatenation method of assigning libraries may be used.

Note: For restore of any system or user library you should use the library information dialog to add or change information and use the restore library sets dialog of the librarian function to restore your libraries.

You are prompted to provide the following information:

- Whether you will use the assign or concatenation method of backup
- Which library type you wish to back up
- Tape unit address and optional alternate tape address
- Whether you will use streaming mode for 8809 tape drives
- Whether you wish to create a standalone restore tape
- Whether you wish the core image library sorted
- File ID and volume serial of your DASD
- For catenation method:
  - Whether you will back up by name, chain, or both ways
  - Name(s) of the libraries you wish backed up by name or chain

JCL DESCRIPTION:

The JCL created by this dialog consists of RESTORE utility statements and required ASSGN or LIBDEF statements.

DIALOG: UTL$RST

DIALOG NAME: Fast Copy - Restore Tape to Disk

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: RESTORE

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will assist you in creating JCL to restore files or volumes from tape to disk. The backup will be performed by the Fast Copy utility from tapes dumped by the same utility.

The information needed to use Fast Copy is:

- Whether you wish to copy a volume or a file
- Tape and DASD address
- DASD type
- Volume serial of tape and DASD
- Whether you will use streaming mode for tape
- Whether you wish a labeled tape
- Whether you will exclude certain files

JCL DESCRIPTION:

The JCL created by this dialog consists of FCOPY utility statements and required ASSGN statements.

DIALOG: VER$IFY

DIALOG NAME: Verification Menu

PREREQUISITE DIALOGS: None

DEFAULT JOB NAME CREATED: VERCICS, DELCICS, VERDICT, DELDICT, VERDITTO, DELDITTO, VERDLI, DELDLI, VEREPVS, DELEPVS,VERLOG, DELLOG, VERPOWER, DELPOWER, VERSORT, DELSORT, VERVSAM, DELVSAM

OTHER VSE/ICCF MEMBERS CREATED: None

DIALOG DESCRIPTION:

This dialog will allow you to create job streams to verify your optional products. The same dialog will allow you to delete any VSE/VSAM clusters that may have been defined during the verification of a product.

You will be asked to supply the type of disk on which the verify files are to be created, and the volume serial number of that disk pack. You must use the same disk pack for the verification of all products.

The verify of VSAM must be the first job executed since many other products depend on the user catalog and free space that is created by this job. Be sure to execute the delete for VSAM when you have finished with all other verifies.

JCL DESCRIPTION:

The JCL created will depend on what product you selected to verify or delete.

SECTION 4 - USER OPTIONS FILES

[VM/VSE FEATURE NOTE] If you are a user of the VM/VSE Feature running under VM/CMS, refer to the section 'Tailoring Interactive Productivity Facility' in the Interactive Productivity Facility VM Feature User's Guide.

The dialog manager, when initiated, searches for a user option file (DTR$OPT) that controls six Interactive Productivity Facility parameters. This file is optional and if none is found, defaults are taken that are assembled within the dialog manager. The user option file controls a number of system defaults, including the name of the display table. The display table in turn, controls a number of items that appear on the Interactive Productivity Facility panels. The display table is not optional if invoked by the user option file and must be in a VSE/ICCF library to which the user has read/write access.

The sample display table, DTR$DTBL, and user options file, DTR$OPT, are also discussed in the Interactive Productivity Facility VSE Feature User's Guide in the section 'Interactive Productivity Facility User Options File'.

The most significant reason for changing the options is to change the language of the panels and the corresponding responses.

The items that can be specified in the user option file are:

- Whether messages displayed should have the message number and environment identity. Default is NO.
- Name of the default initial panel. Default is DTR$.
- Case in which to display panels (either mixed or uppercase). Mixed case can only be displayed if the terminal has the hardware feature. The default is mixed case.
- Name of the display table containing the tables to be used by the display service function of the dialog manager. Default is NO. If NO is specified, constants within the dialog manager are used.

The display table controls the following Interactive Productivity Facility items:

- A direction table containing the direction lines for all the panels.
- A selection table containing the selection lines for all the panels.
- A synonym table of up to 70 synonyms for Interactive Productivity Facility responses.

- Program function key settings for Interactive Productivity Facility responses for all panels in a PF key table.

- A connect table that relates Interactive Productivity Facility member prefixes with the VSE/ICCF sublibrary in which they reside. (The dialog manager uses the connect table to switch to a particular library to retrieve an item.)

Although you may change these items at any time, the changes will not be in effect until you leave and then reenter Interactive Productivity Facility.

Sample user options and display tables are shipped in VSE/ICCF library 58. The name of the supplied options file is DTR$OPT. The name of the supplied display table is DTR$DTBL. Both tables can be altered and activated to change any of the above items.

The following example illustrates how to move the sample user options and the display tables to a user's library. This will alter the options to those in the supplied default display table.

After logging on to VSE/ICCF, enter the following commands:

```
/CONNect 58                    (Connect to library 58)

@COPYFILE DTR$OPT DTR$OPT      (Put into your library)

@COPYFILE DTR$DTBL DTR$DTBL    (Put into your library)

/CONNect OFF                   (Disconnect from library 58)

@ED DTR$OPT                    (Edit the option file) (at sign) ED
```

Now change the line DSPTABLE = NO to DSPTABLE = DTR$DTBL.

Note that options will only be changed for the ID associated with the library into which the two tables are placed. If the change is to be system wide, the tables must be placed in each user library for which the changes are desired.

If you wish to move Interactive Productivity Facility members from the standard sublibraries (51 through 67) to other sublibraries, the numbers of the other sublibraries must be less than 99. Otherwise, the results are unpredictable.

DIRECTION TABLE

This table provides the action messages that appear on the second line of an Interactive Productivity Facility panel. Different types of panels (menu, entry, and explain) display different action messages. You can modify the messages that appear on panels by making changes in this table. The primary reason for modifying the messages would be to change them to a non-English language.

```
*DIRTABLE
*
*        DIRECTION LINE FOR MENU PANELS
Select the activity you wish to perform.
*        DIRECTION LINE FOR IMENU PANELS
Select the category of information you wish to review.
*        DIRECTION LINE FOR DMENU PANELS
Select an option from the following list.
*        DIRECTION LINE FOR ENTRY PANELS
Enter the required data and press enter.
*        DIRECTION LINE FOR UENTRY PANELS
Enter the required data and press enter.
*        DIRECTION LINE FOR EXPLAIN PANELS - ONLY ONE PAGE
END leaves explanation.
*        DIRECTION LINE FOR EXPLAIN PANELS - FIRST PAGE OF MULTI
END leaves explanation, FORWARD continues explanation.
*        DIRECTION LINE FOR EXPLAIN PANELS - MIDDLE PAGE OF MULTI
END leaves explanation, FORWARD or BACK continues explanation.
*        DIRECTION LINE FOR EXPLAIN PANELS - LAST PAGE OF MULTI
END leaves explanation, BACK continues explanation.
*        DIRECTION LINE FOR NOREAP PANELS
Function in process, no action required.
*
```

Figure 4. Direction table

SELECTION TABLE

This table provides the selection lines that appear on the last line of an Interactive Productivity Facility panel. The selection line contains the services that are valid for the panel on which they appear. You can modify the mnemonic word that is displayed as long as the new one is a valid Interactive Productivity Facility service command or a synonym defined in the synonym table Figure 6 on page 140. For example, the standard selection line for an entry panel is:

```
     PF1=EXPL    3=CANCEL     5=RETRY
```

If you did not have program function keys, you could change the selection line to:

```
     EXPLAIN     CANCEL       RETRY
```

```
*SELTABLE
*         SELECTION LINE FOR MENU PANELS
PF1=EXPL 3=RETURN 4=ICCF  6=INIT
*         SELECTION LINE FOR IMENU PANELS
PF1=OVER 3=END   6=INIT
*         SELECTION LINE FOR DMENU PANELS
PF1=EXPL         3=CANCEL         5=RETRY
*         SELECTION LINE FOR ENTRY PANELS
PF1=EXPL         3=CANCEL         5=RETRY
*         SELECTION LINE FOR UENTRY PANELS
PF1=EXPL         3=CANCEL         5=RETRY
*         SELECTION LINE FOR EXPLAIN PANELS - ONLY ONE PAGE
PF1=OVER         3=END
*         SELECTION LINE FOR EXPLAIN PANELS - FIRST PAGE OF MULTI
PF1=OVER         3=END                    8=FORW
*         SELECTION LINE FOR EXPLAIN PANELS - MIDDLE PAGE OF MULTI
PF1=OVER         3=END            7=BACK  8=FORW
*         SELECTION LINE FOR EXPLAIN PANELS - LAST PAGE OF MULTI
PF1=OVER         3=END            7=BACK
*
```

Figure 5. Selection table

SYNONYM TABLE

This table provides the synonyms that the Interactive Productivity Facility Dialog Manager can use. For example, the Dialog Manager knows the words EXPLAIN, CANCEL, and RETRY. Assume you wanted to change the selection line of a data entry panel to French so it would appear as follows:

```
          EXPLIQUE            ANNULE              REFAIT
```

You would have to do two things:

- Change the selection line in the selection table as shown.
- Define the French words in the synonym table as follows:

```
EXPLAIN  EXPLIQUE
CANCEL   ANNULE
RETRY    REFAIT
```

You may also wish to change the synonym for YES to OUI, and NO to NON.

Caution: You should not define a synonym for YES or NO longer than three characters. You should not change OPSYS to anything other than DOS. If you make either of these changes, the results are unpredictable.

```
*SYNTABLE
EXPLAIN EXPLAIN
EXPLAIN 1=EXP
EXPLAIN EXP
EXPLAIN EXPL
RETRY   RETRY
RETRY   5=RETRY
MOREINFOOVERVIEW
MOREINFO1=OVER
MOREINFOOVER
RETURN  RETURN
RETURN  3=RETN
RETURN  RETN
QUIT    CANCEL
QUIT    3=CANCEL
RESTART INITIAL
RESTART 6=INIT
RESTART INIT
EXIT    ICCF
EXIT    4=ICCF
ENDEXPL END
ENDEXPL 3=END
FORWARD FORWARD
FORWARD 8=FORW
FORWARD FORW
BACK    BACK
BACK    7=BACK
PAGE        PAGE
YES     YES
NO      NO
OPSYS   DOS
UTILITY UTILITY
```

Figure 6. Synonym table

PF KEY TABLE

This table defines the service command to be executed when you press a particular program function (PF) key. Each entry in the table corresponds to a PF key. The first entry corresponds to PF key 01, the second entry to PF key 02, etc. If no command is assigned to a particular PF key, the entry PFKEY-nn appears, where nn is the number of that PF key. For example, the first line of the table below, for menu panels, is as follows:

```
EXPLAIN  PFKEY-2  RETURN  ICCF    PFKEY-5  INITIAL
```

EXPLAIN corresponds to PF key 01; there is no command assigned to PF key 02, so the entry PFKEY-2 appears; RETURN corresponds to PF key 03; ICCF corresponds to PF key 04; there is no command assigned to PF key 05, so the entry PFKEY-5 appears; and INITIAL corresponds to PF key 06.

When a menu panel is displayed, if you press PF1, PF3, PF4, or PF6, the corresponding service will be executed. If you press PF2 or PF5, no service will be executed and the following message will appear:

```
PFKEY-nn is not a valid response.
```

You may wish to rearrange or duplicate PF keys. For example, you can have 24 PF keys and have PF key 01 and PF key 13 both defined as EXPLAIN. If you change the PF key assignments, you can also change the selection table, as noted above, to reflect the new PF key definitions.

Caution: You should not add additional services to the PF key table. For example, the menu panel does not have RETRY as a possibility. Do not add RETRY. However, you can rearrange services as noted above.

```
*
*PFKTABLE
*         PFKEY TABLE FOR MENU PANELS
EXPLAIN PFKEY-2 RETURN  ICCF    PFKEY-5 INITIAL
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
EXPLAIN PFKEY-14RETURN  ICCF    PFKEY-17INITIAL
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR IMENU PANELS
OVERVIEWPFKEY-2 END     PFKEY-4 PFKEY-5 INITIAL
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
OVERVIEWPFKEY-14END     PFKEY-16PFKEY-17INITIAL
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR DMENU PANELS
EXPLAIN PFKEY-2 CANCEL  PFKEY-4 RETRY   PFKEY-6
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
EXPLAIN PFKEY-14CANCEL  PFKEY-16RETRY   PFKEY-18
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR ENTRY PANELS
EXPLAIN PFKEY-2 CANCEL  PFKEY-4 RETRY   PFKEY-6
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
EXPLAIN PFKEY-14CANCEL  PFKEY-16RETRY   PFKEY-18
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR UENTRY PANELS
EXPLAIN PFKEY-2 CANCEL  PFKEY-4 RETRY   PFKEY-6
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
EXPLAIN PFKEY-14CANCEL  PFKEY-16RETRY   PFKEY-18
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR EXPLAIN PANELS - ONLY ONE PAGE
OVERVIEWPFKEY-2 END     PFKEY-4 PFKEY-5 PFKEY-6
PFKEY-7 PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
OVERVIEWPFKEY-14END     PFKEY-16PFKEY-17PFKEY-18
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR EXPLAIN PANELS - FIRST PAGE OF MULTI
OVERVIEWPFKEY-2 END     PFKEY-4 PFKEY-5 PFKEY-6
PFKEY-7 FORWARD PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
OVERVIEWPFKEY-14END     PFKEY-16PFKEY-17PFKEY-18
PFKEY-19PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
```

Figure 7 (Part 1 of 2). PF key table

```
*
*         PFKEY TABLE FOR EXPLAIN PANELS - MIDDLE PAGE OF MULTI
OVERVIEWPFKEY-2 END      PFKEY-4 PFKEY-5 PFKEY-6
BACK    FORWARD PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
OVERVIEWPFKEY-14END      PFKEY-16PFKEY-17PFKEY-18
BACK    FORWARD PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
*         PFKEY TABLE FOR EXPLAIN PANELS - LAST PAGE OF MULTI
OVERVIEWPFKEY-2 END      PFKEY-4 PFKEY-5 PFKEY-6
BACK    PFKEY-8 PFKEY-9 PFKEY-10PFKEY-11PFKEY-12
OVERVIEWPFKEY-14END      PFKEY-16PFKEY-17PFKEY-18
BACK    PFKEY-20PFKEY-21PFKEY-22PFKEY-23PFKEY-24
*
```

Figure 7 (Part 2 of 2). PF key table

CONNECT TABLE

An Interactive Productivity Facility member can be one of the following:

- A panel
- A message file
- A table
- A skeleton

To locate an Interactive Productivity Facility member from the VSE/ICCF library, the dialog manager needs the following three parameters:

- The prefix of the member name
- The type of the member
- The VSE/ICCF sublibrary containing the member if it is not in the user VSE/ICCF sublibrary

The prefix is the first three characters of the member name.

The type of a member is as follows:

- DTRTABLE for a table
- DTRSKEL for a skeleton

- DTRPANEL for a panel
- DTRMSG for a message file

The number that follows the type is the number of the VSE/ICCF sublibrary.

The connect table contains the information needed to retrieve an Interactive Productivity Facility member.

This is an example of how the dialog manager determines the sublibrary where a member can be located.

Assume the Interactive Productivity Facility dialog manager is looking for the table ADM$SHIP. The dialog manager scans the connect table to find the entry ADM (member prefix). Since ADM$SHIP is a table, the entry must be ADM **DTRTABLE**. We can see in the connect table below that the sublibrary number is 51.

The VSE/ICCF connect table is part of the display table pointed to by the Interactive Productivity Facility user options file.

Note: The connect table is loaded in main storage at Interactive Productivity Facility initialization time. Therefore, no I/Os are necessary to locate a connect table entry. Any change to this table takes effect the next time that Interactive Productivity Facility is invoked after the change.

The last entry in the connect table is all Fs to mark the end of the table. It is preceeded by entries with prefixes of asterisks. These entries must be the last entries in the table (other than the entry of all Fs). They show which VSE/ICCF library to search if the prefix value has not yet been found. For example, a prefix of MBL does not exist in the table. If a prefix of MBL were recognized, library 58 would be searched for MBL items because the asterisk entries reference library 58.

In order to add an entry to the connect table, you must have an active user options file and display table in your primary library. You must modify the connect table in the same format as given below for each of the member types with the appropriate prefix. If you add a new prefix, you must add all four member types whether they exist or not. For example, if you want to add a product to the Interactive Productivity Facility menu hierarchy with a prefix of MBL, execute the following steps:

- Add the product to the VSE/ICCF libraries. Assume you added the panels to library 70 and the rest of the members to library 71.
- Copy DTR$OPT and DTR$DTBL from library 58 to your primary library.
- Change the line DSPTABLE=NO to DSPTABLE=DTR$DTBL in DTR$OPT.

- Add MBL DTRPANEL 70, MBL DTRMSG 71, MBL DTRTABLE 71, and MBL DTRSKEL 71 to the DTR$DTBL connect table in the line before the asterisk prefix line.

- Use the ENV$DEF dialog to add the MBL$ menu used to enter the product dialog to the Interactive Productivity Facility menu hierarchy.

- You can change the initial menu to MBL$ in DTR$OPT. This would cause menu MBL$ to appear when the initial command is entered.

```
*         CONNECTION TABLE USED FOR ICCF LIBRARIES
*
*CONTABLE
*
ADM DTRPANEL 66   ADM DTRMSG  51   ADM DTRTABLE 51   ADM DTRSKEL  51
INS DTRPANEL 52   INS DTRMSG  52   INS DTRTABLE 52   INS DTRSKEL  52
VER DTRPANEL 52   VER DTRMSG  52   VER DTRTABLE 52   VER DTRSKEL  52
DEL DTRPANEL 52   DEL DTRMSG  52   DEL DTRTABLE 52   DEL DTRSKEL  52
TCI DTRPANEL 53   TCI DTRMSG  53   TCI DTRTABLE 53   TCI DTRSKEL  53
SYI DTRPANEL 54   SYI DTRMSG  54   SYI DTRTABLE 54   SYI DTRSKEL  54
SRV DTRPANEL 67   SRV DTRMSG  55   SRV DTRTABLE 55   SRV DTRSKEL  55
TAS DTRPANEL 56   TAS DTRMSG  56   TAS DTRTABLE 56   TAS DTRSKEL  56
TPW DTRPANEL 56   TPW DTRMSG  56   TPW DTRTABLE 56   TPW DTRSKEL  56
TRJ DTRPANEL 56   TRJ DTRMSG  56   TRJ DTRTABLE 56   TRJ DTRSKEL  56
ENV DTRPANEL 57   ENV DTRMSG  57   ENV DTRTABLE 57   ENV DTRSKEL  57
TSA DTRPANEL 57   TSA DTRMSG  57   TSA DTRTABLE 57   TSA DTRSKEL  57
UTA DTRPANEL 57   UTA DTRMSG  57   UTA DTRTABLE 57   UTA DTRSKEL  57
TEP DTRPANEL 57   TEP DTRMSG  57   TEP DTRTABLE 57   TEP DTRSKEL  57
TUW DTRPANEL 57   TUW DTRMSG  57   TUW DTRTABLE 57   TUW DTRSKEL  57
AEM DTRPANEL 60   AEM DTRMSG  60   AEM DTRTABLE 60   AEM DTRSKEL  60
LIB DTRPANEL 60   LIB DTRMSG  60   LIB DTRTABLE 60   LIB DTRSKEL  60
UTL DTRPANEL 60   UTL DTRMSG  60   UTL DTRTABLE 60   UTL DTRSKEL  60
ELI DTRPANEL 61   ELI DTRMSG  61   ELI DTRTABLE 62   ELI DTRSKEL  62
DLZ DTRPANEL 63   DLZ DTRMSG  63   DLZ DTRTABLE 63   DLZ DTRSKEL  63
AMS DTRPANEL 65   AMS DTRMSG  65   AMS DTRTABLE 65   AMS DTRSKEL  65
CAT DTRPANEL 65   CAT DTRMSG  65   CAT DTRTABLE 65   CAT DTRSKEL  65
DSF DTRPANEL 65   DSF DTRMSG  65   DSF DTRTABLE 65   DSF DTRSKEL  65
SPC DTRPANEL 65   SPC DTRMSG  65   SPC DTRTABLE 65   SPC DTRSKEL  65
*** DTRPANEL 58   *** DTRMSG  58   *** DTRTABLE 58   *** DTRSKEL  58
*** DTRELOG  58   *** DTROPT  58   *** DTRTRCE  58   FFFFFFFFFFFFFFFF
```

Figure 8. VSE/ICCF connect table

SECTION 5 - SUBVSE REQUIREMENTS

[VM/VSE FEATURE NOTE] This section contains information for the VM/VSE user. If you are not using the VM/VSE Feature, skip this section.

MODIFICATION DONE BY SUBVSE EXEC

The job stream punched to the VSE machine is modified by this function to provide standard interfaces to the ROUTER facility and the VSE/VMCF communication facility. Access to the 19E Y disk and the 301 V disk is required for submitting jobs to VSE.

SUBVSE modifies the POWER jobname. If the POWER name of the job that you submit is LISTIOBG, then SUBVSE will change this to XXXLISTI, where XXX is your prefix in the SUB$VSET table. The output of the job will be returned to your virtual reader.

SUBVSE also modifies each DOS job card. The specification of VSE/VMCF options is done on the DOS job card. If job accounting is not in use, the VSE/VMCF options are added immediately after the job name. If job accounting is in use, the VSE/VMCF options are added immediately after the end of the job name plus 17 bytes for the job accounting information.

The table that ROUTER uses is shown below in the topic 'Sample Shipped SUB$VSET DTRTABLE'. This is the supplied table and you should modify this as described in SUB$VSET TABLE MAINTENANCE. In the table each CMS user has a three digit job prefix associated with it. This prefix starts in column 17.

VSE VIRTUAL MACHINE CARD READER

The VSE virtual machine VSEIPO is shipped with a virtual 3505 reader defined at virtual address 00C. Card decks loaded into the real system reader for VM with an ID VSEIPO header card and files punched from other virtual machines will be received at 00C. A VSE/POWER reader task is started to read these files. A virtual card reader is necessary to receive files from other virtual machines.

Users with more than one real reader or users with most or all of their card input going to the VSE virtual machine may wish to attach a real reader to the VSE virtual machine. The real reader can be defined to CP with the ATTACH CP command or the DEDICATE directory statement. The additional address must be defined at VSE IPL time

with the ADD IPL command. A second VSE/POWER reader task can be started to read these files. To prevent interference with the virtual reader, any new reader must have an address above 00C. The reader at address 00C is auto-started to support files spooled from other virtual machines.

VSE VIRTUAL MACHINE CARD PUNCH

The VSE virtual machine VSEIPO is shipped with virtual 3525 punches at virtual addresses 00D and 05D and with virtual 1403 printers at virtual addresses 00E and 05E. To make use of the ROUTER facility, which will return the output of jobs run on a VSE virtual machine to the reader of the submitter's virtual machine, the virtual printer at 05E and the virtual punch at 05D have been spooled to the ROUTER virtual machine. This is done in the PROFILE EXEC for VSEIPO.

Users who do not want all output files to go through the ROUTER facility should separate the output files by using different VSE/POWER spool classes. The ROUTER facility uses the VSE/POWER class R. The virtual printer at 00E and the virtual punch at 00D have been directed to the VM system printer and punch with the CP SPOOL VADDR OFF command in the PROFILE EXEC for VSEIPO. You may wish to modify 00E and 00D in the VM directory to ATTACH a real printer or punch at those addresses.

ROUTER

The ROUTER facility is a CMS virtual machine that can run disconnected. It is part of the VM/SP System IPO/E. It examines the filename of every reader file it receives and compares the first three characters with the jobname prefix in the SUB$VSET DTRTABLE file. If a match is found, the reader file is transferred to the CMS user ID defined in the table. If a match is not found, the reader file is scheduled to be printed or punched by the CP system. The ROUTER facility is initialized by executing the SUB$RTR EXEC.

SUB$VSET TABLE MAINTENANCE

Part of the job of maintaining the CP Directory includes the maintenance of a SUB$VSET DTRTABLE file. This table must contain the user ID and jobname prefix for each user who will be submitting jobs to the VSE virtual machine. The jobname prefix should be three alphameric characters long and unique to each user ID.

The SUB$VSET DTRTABLE file is initially shipped on the 19E Y disk. The user-modified file should be written and maintained on the 320 H

disk. This requires that maintenance be done on the user ID MAINT, which is the only user ID that has R/W access to the 320 H disk.

Note: Files whose file type is DTRTABLE are column dependent. The userid must begin in column 9 and the jobname prefix must begin in column 17.

SAMPLE SHIPPED SUB$VSET DTRTABLE

This is the shipped SUB$VSET DTRTABLE as found on the 19E minidisk. The column count is placed here for you to identify the format of the table.

```
Column
0000000001111111111222222222 3
1234567890123456789012345678 90

$$$002**USERID  PREFIX
$$$002**X       K
$$$002**VSEMAINTVMT
$$$002**CMS1    C01
$$$002**CMS2    C02
$$$002**CMS3    C03
$$$002**CMS4    C04
$$$002**CMS5    C05
$$$002**CMS6    C06
$$$002**CMS7    C07
$$$002**CMS8    C08
$$$002**CMS9    C09
$$$002**CMS10   C10
$$$002**CMS11   C11
$$$002**CMS12   C12
$$$002**CMS13   C13
$$$002**CMS14   C14
$$$002**CMS15   C15
$$$002**CMS16   C16
$$$002**CMS17   C17
$$$EOF**

0000000001111111111222222222 3
1234567890123456789012345678 90
```

APPENDIX A. SERVICE LIBRARY FULL PROBLEMS

MSGM211I and MSGM212I may occur during the application of PUT tapes or large amounts of corrective service to the service libraries. These messages occur during the application of service because the service libraries do not have enough room for the serviced members. This may occur because the service adds more or larger members to the service library. Also, the service you are applying may add many members to the service library temporarily. For example, service to the VSE/ICCF libraries may add I.books to the service source library temporarily. These books are used as input to DTSUTIL and then deleted from the service libraries. However, the service library must have enough space to hold these books during service application.

You may bypass this problem in two ways. The first is to make the service libraries larger by splitting them onto different packs. The second is to temporarily decrease the service library contents by deleting some members during service application. The following text is an example of each of these methods for service library set A for a 3340 user. The values given for the library sizes are examples only. Consult your system profile for the real values on your system.

SPLIT YOUR SERVICE LIBRARIES

The first bypass is the preferred method. In this case you should change the size and location of SERVICE.SYSRLB.A and SERVICE.SYSSLB.A. Then you may apply service with larger libraries for service A. A 3340 user needs another pack available as a work volume for the service libraries. The following steps are required:

1. Use the Interactive Productivity Facility to change the size and location of SERVICE.SYSRLB.A and SERVICE.SYSSLB.A. After you log onto the Interactive Productivity Facility, enter **=ADM$1** on the input line at the bottom of the screen. This will give you the system profile menu. Select 4, LIBRARY INFORMATION. Then select 2, PRODUCTION/SERVICE LIBRARIES, then select 3, UPDATE LIBRARY. Enter an update library of SRVRLA under RL and SRVSLA under SL. For the SRVRLA library we are going to change the library allocation as follows:

OLD LIBRARY ALLOCATION	NEW LIBRARY ALLOCATION	OLD DIRECTORY ALLOCATION	NEW DIRECTORY ALLOCATION
307	575	13	24

   Then use the dialog you are already in to change the allocation and location of SERVICE.SYSSLB.A as follows:

LIBRARY ALLOCATION	DIRECTORY ALLOCATION	STARTING ADDRESS
575	24	1332

Note: The above location is for a 3340 user. A 3340 user or mixed DASD user with SYSWK2 and SYSWK3 as 3340's must use an additional volume for SERVICE.SYSSLB.A. This additional volume serial number must also be entered at this time. If the new volume is not a 3340, it must be a CKD device such as a 3330 or 3350. Also, the new volume will not appear in SRV$FLOW, the service flow diagram. However, the proper JCL will be generated. SRV$FLOW assumes both service libraries of a set are on the same volume.

2. You must run the Interactive Productivity Facility service dialog after the above library allocation changes have been made.

3. If the service libraries are not resident on a pack and are not going to be restored to the default volumes (SYSWK2 and SYSWK3 for a 3340 user) do this step.

Do the following items for your additional volume (assumed to be a 3340):

1. Fast Copy the volume you added to the library allocation for SERVICE.SYSSLB.A. You may use the utilities dialog for that.

2. Initialize the 3340. This is optional as long as the VTOC on the 3340 does not include the tracks you put the library on. You may use the job which follows as a model:

```
// JOB INIT3340
// ASSGN SYS000,1C4      IC4 = 3340
// EXEC ICKDSF,SIZE=130K
INIT SYSNAME(SYS000) NVFY DEVTYP(3340)-
PRG DVTOC(690,0,12)
/*
/&
```

Use the output of the service dialog to apply the service. If you had an additional volume you just fast copied, then use the utilities dialog to restore the additional 3340 volume. You must backup and restore the additional volume yourself because the service dialogs will not do it for you. The service dialogs will only backup/restore SYSWK2 and SYSWK3.

DECREASE SERVICE LIBRARY CONTENTS

The second bypass is not recommended except if the first bypass requires more DASD space than you have available.

The second bypass is to apply the service in two passes. We will assume you are applying a PUT. In pass one apply service to all products except VSE/ICCF. Do this by excluding the VSE/ICCF CLC, which is G97. In pass two use the selective PUT dialog to apply service to VSE/ICCF only. Include the service for CLC G97 (ICCF) only on the second pass. You will also have to delete some members from the SRVRLA and SRVSLA libraries.

Warning: You must restore the new SYSRES from pass one before doing pass two. If you do not, pass two will use old SYSRES phases and your system will be unusable.

During pass two, immediately after checkpoint 1 is the job to restore service library A. After SRVRLA and SRVSLA are restored, you are requested to return the input tape to your tape library and a pause command is issued. During this pause command, run the following two jobs in another partition. In the case of the following example, F4 was used.

```
* $$ JOB JNM=PUNCHR,CLASS=4,DISP=D,PRI=3
// JOB PUNCHR
* THIS JOB PUNCHES IFC.ALL AND DELETES IFC.ALL
* FROM SRVRLA
// DLBL SRVRLA,'SERVICE.SYSRLB.A'
// EXTENT      ,SYSWK2,1,0
// LIBDEF RL,FROM=SRVRLA
* MOUNT A SCRATCH TAPE ON XXX FOR OUTPUT FOR THIS JOB
// PAUSE
// ASSGN SYSPCH,XXX     SUBSTITUTE YOUR TAPE FOR XXX
// MTC REW,SYSPCH
// EXEC RSERV
PUNCH IFC.ALL
/*
// MTC WTM,SYSPCH,2
// MTC REW,SYSPCH
* REMOVE THE TAPE ON XXX AND LABEL IT "SRVA RELO PUNCH"
* MAKE SURE THE TAPE REWINDS PROPERLY, YOU NEED IT LATER
* CANCEL THIS JOB IF THE TAPE DID NOT REWIND PROPERLY
// PAUSE
// DLBL SRVRLA,'SERVICE.SYSRLB.A'
// EXTENT      ,SYSWK2,1,0
// LIBDEF RL,FROM=SRVRLA,TO=SRVRLA
// EXEC MAINT
 DELETR IFC.ALL
/*
/&
* $$ EOJ
```

```
    * $$ JOB PNM=PUNCHS,CLASS=4,DISP=D,PRI=3
    // JOB PUNCHS
    * THIS JOB PUNCHES AND DELETES SOME SUPERVISOR MACROS FROM
    * SRVSLA.  MAKE SURE YOU PUNCH AND DELETE THE SAME MEMBERS.
    // DLBL SRVSLA,'SERVICE.SYSSLB.A'
    // EXTENT      ,SYSWK2,1,0
    // LIBDEF SL,FROM=SRVSLA
    * MOUNT A SCRATCH TAPE ON XXX FOR OUTPUT FOR THE JOB
    // PAUSE
    // ASSGN SYSPCH,XXX
    // MTC REW,SYSPCH
    // EXEC SSERV
    PUNCH E.SGCCWF,E.SGCCWT,E.SGAM,E.SGPMR,E.SGDFCH
    PUNCH E.SGPFIX,E.IOINTER,E.SGDSK,E.SGEND,E.SGIOS
    /*
    // MTC WTM,SYSPCH,2
    // MTC REW,SYSPCH
    * REMOVE THE TAPE ON XXX AND LABEL IT 'SRVA SOURCE PUNCH'
    * MAKE SURE THE TAPE REWINDS PROPERLY, YOU NEED IT LATER
    * CANCEL THIS JOB IF THE TAPE DID NOT REWIND PROPERLY
    // PAUSE
    // DLBL SRVSLA,'SERVICE.SYSSLB.A'
    // EXTENT      ,SYSWK2,1,0
    // LIBDEF SL,FROM=SRVSLA,TO=SRVSLA
    // EXEC MAINT
    DELETS E.SGCCWF,E.SGCCWT,E.SGAM,E.SGPMR,E.SGDFCH
    DELETS E.SGPFIX,E.IOINTER,E.SGDSK,E.SGEND,E.SGIOS
    /*
    /&
    * $$ EOJ
```

The same concept holds true for different service library sets. You must punch out and then delete some members of a product you are not applying service to in order to get some room. Then you may apply service with the space you gained. If you only have one product in a library, you must find room on another pack somewhere for the service libraries.

After the above jobs have run, save the two output tapes and let pass two of the PUT application continue. The condense of these libraries will be done by MSHP. If you still are short of room in the source library on some future PUT, you can add more books to the punch and delete lists. The macros whose names begin the E.SG are SYSGEN macros. They are good candidates for this process.

After the I.books are applied to VSE/ICCF in the job commented, "APPLY SERVICE TO THE VSE/ICCF LIBRARIES", you will have a pause which tells you to scratch the work tape you have mounted. At this point you should run the following two jobs to once again restore the library members you punched in the jobs above.

```
    * $$ JOB JNM=CATALR,CLASS=4,DISP=D,PRI=3
    // JOB CATALR
    // DLBL SRVRLA,'SERVICE.SYSRLB.A'
    // EXTENT      ,SYSWK2,1,0
    // LIBDEF RL,FROM=SRVRLA,TO=SRVRLA
    * MOUNT THE TAPE YOU LABELED "SRVA RELO PUNCH" ON TAPE XXX
    // PAUSE
    // ASSGN SYSIPT,XXX     WHERE XXX IS YOUR TAPE DRIVE
    // MTC REW,SYSIPT
    // EXEC MAINT
    /*
    // MTC RUN,SYSIPT
    * YOU MAY DISCARD SRVA RELO PUNCH IF THIS JOB RAN CORRECTLY
    // PAUSE
    /&
    * $$ EOJ
    * $$ JOB JNM=CATALS,CLASS=4,DISP=D,PRI=3
    // JOB CATALS
    // DLBL SRVSLA,'SERVICE.SYSSLB.A'
    // EXTENT      ,SYSWK2,1,0
    // LIBDEF RL,FROM=SRVSLA,TO=SRVSLA
    * MOUNT THE TAPE YOU LABELED "SRVA SOURCE PUNCH" ON TAPE XXX
    // PAUSE
    // ASSGN SYSIPT,XXX     WHERE XXX IS YOUR TAPE DRIVE
    // MTC REW,SYSIPT
    // EXEC MAINT
    /*
    // MTC RUN,SYSIPT
    * YOU MAY DISCARD SRVA SOURCE PUNCH IF THIS JOB RAN CORRECTLY
    // PAUSE
    /&
    * $$ EOJ
```

After the above jobs have successfully run, you may let the rest of the apply PUT for pass two finish. This technique should work because the libraries have the needed room. If you do find that SRVSLA is short of room, rerun the delete job and then run the following job to condense SRVSLA.

```
    * $$ JOB JNM=CONDNS,CLASS=4,DISP=D,PRI=3
    // JOB CONDNS
    // DLBL SRVSLA,'SERVICE.SYSSLB.A'
    // EXTENT      ,SYSWK2,1,0
    // LIBDEF SL,FROM=SRVSLA,TO=SRVSLA
    // EXEC MAINT
    CONDS SL
    /*
    /&
    * $$ EOJ
```

Then rerun the CATALS job.

APPENDIX B. DEBUGGING ABEND DM09

ABEND DM09 occurs when the interface from the dialog manager to VSE/ICCF recognizes an *INVALID COMMAND message. This message appears in the print buffer from VSE/ICCF under two conditions:

1. Dialog manager module DTRDDMIO passes a bad command to VSE/ICCF.

2. The VSE/ICCF editor drops out of input mode with an error message that DTRDDMIO does not recognize.

In order to discover which condition has occurred, you must have a dump available. Directions for getting a dump are in the section 'ABEND Conditions'.

In the dump, register 2 will point to the *INVALID COMMAND message. Register 6 will point at the beginning of the VSE/ICCF print buffer. Register 5 will point at the end of the VSE/ICCF print buffer used plus 1. Each line in the print buffer is 80 decimal bytes long (X'50'). You should be aware that all 80 bytes contain data from VSE/ICCF. Only the first message in each buffer is valid. Normally in command mode you will see *READY in each print buffer. In input mode each print buffer begins with INP?. In order to find the error message, start where register 2 points and go backward 1 print buffer (decimal 80 or X'50' bytes) at a time. Stop at the address in register 6.

You may also wish to examine the VSE/ICCF input buffer which contains the commands and data passed from DTRDDMIO. The input buffer is based on register 4. Register 4 plus X'50' is a list of 4 words. They contain the following information:

X'50' Address of the beginning of the input buffer

X'54' Address of the end of the input buffer + 1

X'58' Address of the beginning of the print buffer

X'5C' Address of the end of the print buffer passed to VSE/ICCF. Register 5 is the next byte to be used; this is the last byte that can be used + 1.

The input buffer contains the commands and input to the VSE/ICCF editor. The print buffer wraps during this activity. Therefore, it is not possible for you to directly correlate print buffers to input buffers. You may find a sequence like this in the print buffers:

- INP?XXXXX...XXX
- INP?XXXXX...XXX
- *EDITOR STACK INVALIDXXXX...XXX

- *INPUT MODE ENDEDXXXXX...XXX

- *READYXXXX...XXX

- *INVALID COMMANDXXXX...XXX

The X's may be anything. The *INVALID COMMAND caused the DM09. The real problem is the error message *EDITOR STACK INVALID. We made up this message as an example of an error message that DTRDDMIO would not recognize. Once you find this, you can tell whether VSE/ICCF or DTRDDMIO has a problem. Either way, you must have a dump to fix this problem.

APPENDIX C. SECURITY AND THE INTERACTIVE PRODUCTIVITY FACILITY

There are two classes of items which can be made secure under the Interactive Productivity Facility:

1. Interactive Productivity Facility panels, etc.

2. Your private tables and job streams.

The Interactive Productivity Facility panels, skeletons, messages, and shipped tables all reside in VSE/ICCF libraries 50 through 67. Your private tables and job streams reside in your primary library.

[VM/VSE FEATURE NOTE] The following discussion also applies to VM/VSE. For primary library substitute primary minidisk. For VSE/ICCF libraries 50 through 67 substitute the minidisk(s) the Interactive Productivity Facility is installed on. For private library substitute private minidisk. Since there is no connect table in the VM/VSE environment, ignore all references to the connect table if you are using the VM/VSE Feature.

The system administrator, who is in charge of passwords and VSE/ICCF security tables, should always have a primary library which is private. Otherwise, other users may gain access to passwords by examining the contents of the tables or skeletons which contain that information. Other users should also make sure that their primary library, which is where the Interactive Productivity Facility dialog output will go, is private. This is necessary to protect such items as passwords for VSAM data sets which may be contained in output from the VSAM define dialogs. The topic 'Protection of Data' in the VSE/ICCF Installation and Operations Reference contains further information on this topic.

It is also possible that you may want certain dialogs to be available only to certain users. For example, you may not want anyone except the system programmer to have access to the ASI tailoring dialogs. In order to do this you have two options, make the library containing the ASI items private or move the ASI items to a private library.

Let us examine the first option. In order to make the library with the ASI tailoring items private, we must do the following:

- Decide which items are ASI tailoring items.

  This information is indirectly given in this manual in the section entitled 'Dialogs Listed by Descriptive Title'. If we examine this list we see that ASI procedure tailoring is listed in the descriptive title index. If we look up the ASI procedure tailoring dialog, we see that it is named TAS$MAS. The first three letters of a dialog are the same as the first three letters of the VSE/ICCF items used by the dialog. Now we know that we are interested in items with a prefix of TAS.

- Determine which library these items reside in.

  Now if we go to the section entitled 'User Options Files', heading Connect Table, we can see a cross reference of prefix to library. We can see that TAS is shipped in library 56 for all four types of items. Now we know that if we want to limit access to the ASI tailoring dialog, we must make library 56 private.

- Make sure this library can be private.

  As you can see in Figure 9 on page 159 below which cross references library to prefix, there are other items in library 56 with a prefix of TPW and TRJ. The cross reference of prefix to general topic below shows that TPW and TRJ are VSE/POWER and VSE/POWER/RJE tailoring. We probably would want to restrict those to the system programmer also, so it looks like we can make library 56 private with no harm done to other users.

  However there are some libraries you may not want to make private.

  - Library 58

    You may not make library 58 private. The items contained in this library are required for the Interactive Productivity Facility to run for any user.

  - Library 66

    Library 66 contains the ADM prefixed panels. Some of these panels are used in the menu hierarchy to get to dialogs such as ASI tailoring. You should not make library 66 private unless you are willing to make all dialogs directly selected off of the ADM menus private. In order to evaluate this question, you should decide which dialogs you are willing to leave public. Then select those dialogs under the Interactive Productivity Facility beginning from the initial menu, DTR$. If you can get to those dialogs without using a menu with an ADM prefix, then you can make library 66 private.

    You will notice that we speak of leaving the ADM prefix panels available but not the ADM tables, skeletons, and messages. As long as the panels are available, we can get from one place to another in the menu hierarchy. However, without the tables, skeletons, and message files the dialogs which have the ADM prefix may not be run.

    Even if you would normally use an ADM$ menu to get to the item, you can still make library 66 private if the dialog is not invoked directly off an ADM$ menu. Let us consider a case where ADM$ menus are required and where they are not required.

Once again we will use the example of ASI procedure tailoring, this time to show a case where the ADM prefix menus are required. There is a cross reference of menu to dialog in Appendix B of the Interactive Productivity Facility VSE Feature User's Guide. If we look at the cross reference by description, we can see that ASI procedure tailoring is selected from menu ADM$4. Therefore, in order to get to ASI procedure tailoring you must have access to the ADM$ menus.

Now let us take the case of librarian dialogs. The cross reference by description shows that this set of dialogs is selected off of menu ADM$ to menu LIB$. In this case we can circumvent the restriction on ADM$ panels either by telling the user to enter =lib$ to fast path select menu LIB$ or by adding LIB$ to the environment definition table. In the second case we would use the environment definition dialog to add menu LIB$ as a selectable environment for that user. Now the user must have access to library 57, for ENV items, but does not need library 66, for ADM panels.

- Libraries 55 and 67

  Libraries 55 and 67 contain the SRV prefix members which are associated with service. The service dialogs provide some common functions such as the restoration of service libraries. For example, these functions are invoked by supervisor tailoring and VSE/POWER tailoring in order to restore service library set A. Therefore, these libraries should be available to anyone doing tailoring or similar functions.

- Make the library private.

  This is done using the VSE/ICCF DTSUTIL functions documented in the VSE/ICCF Installation and Operations Reference manual. You must alter the library to a status of nopublic.

The second option we mentioned above was to move the ASI procedure tailoring items to a private library. In order to do this you must do the following:

- Find the prefix for ASI tailoring

  You may do this as we did it above, via the dialog descriptions section in this manual.

- Copy all items with this prefix to a private library.

  Let us assume we use library 71.

- Delete all items with this prefix from the shared library.

- Modify the connect table entry for this prefix.

See the topic Connect Table in the 'User Options Files' section of this manual for the format of the connect table and how to use a modified connect table. In this case we would just change each entry for TAS in DTR$DTBL from library 56 to 71. Make sure you add the updated DTR$OPT and DTR$DTBL to the primary library of each user who needs them.

You have now moved a single prefix to a private library.

LIBRARY TO PREFIX CROSS REFERENCE

Library	Library Prefix and Member Types
51	ADM messages, skeletons and tables
52	INS, VER, and DEL panels, messages, skeletons and tables
53	TCI panels, messages, skeletons and tables
54	SYI panels, messages, skeletons and tables
55	SRV messages, skeletons and tables
56	TAS, TPW, and TRJ panels, messages, skeletons and tables
57	ENV, TSA, UTA, TEP and TUW panels, messages, skeletons and tables.
58	CUS, OPN, DFH, SYM, DBL, PDV, SYU, SUB, ERR, RPT, SNA, and DTR panels, messages, skeletons, and tables. Any prefix not listed in another library defaults to 58.
60	AEM, LIB, and UTL panels, messages, skeletons and tables
61	ELI panels and messages
62	ELI skeletons and tables
63	DLZ panels, messages, skeletons and tables
65	AMS, CAT, DSF and SPC panels, messages, skeletons and tables
66	ADM panels
67	SRV panels

Figure 9. Library to prefix cross reference

PREFIX TO GENERAL TOPIC CROSS REFERENCE

Prefix	General topic
ADM	General administrator activities, includes some tailoring functions, first use, install activities, etc.
AEM	Application Enabling (non System IPO/E product)
AMS	VSAM services master menu
CAT	VSAM service for catalogs
CUS	Dialog customize items
DBL	Label items (common service for some dialogs)
DEL	Delete verify items
DFH	CICS/VS tables etc.
DLZ	IMF
DSF	VSAM service for datasets
DTR	Interactive Productivity Facility dialog manager items
ELI	ELIAS (non System IPO/E product)
ENV	Environment definition
ERR	Common error message file
INS	Portions of the install activities
LIB	Librarian services
OPN	JCL build dialog
PDV	Program development under ICCF dialog
RPT	Dump analysis services
SNA	Common message file
SPC	VSAM services for data spaces
SRV	Service
SUB	Job submission items
SYI	Interactive Productivity Facility first time use
SYM	System management
SYU	Master menu for program development
TAS	ASI tailoring
TCI	CICS/VS tailoring
TEP	EP/VS tailoring
TPW	VSE/POWER tailoring
TRJ	VSE/POWER/RJE tailoring
TSA	Supervisor tailoring
TUW	Tailor Utility Workstation (non System IPO/E product)
UTA	Utility aids
UTL	VSE Utilities (Backup/Restore, Fastcopy, etc.)
VER	Portions of the verify activities

Figure 10. Prefix to general topic cross reference

Note: For further information on the specific dialogs, see the 'Dialog Descriptions' section in this manual. Use the prefix as the first three letters of the dialog name to see all dialogs with that prefix. Some of the above prefixes include products which are not part of the System IPO/E product set. These product dialogs are not included in the dialog descriptions section. Also, some common services and unique items do not have the same prefix as the dialog(s) which use them.

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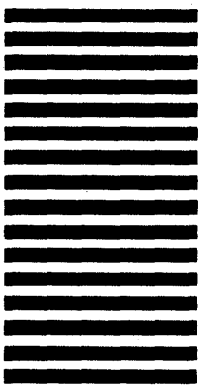

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