Advantage™ VISION:Inquiry® for IMS™ and TSO

Installation Guide

6.5

Computer Associates®

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Chapter

1

Introduction

Thank you for choosing Advantage™ VISION:Inquiry® 6.5. Before you install the software, read this chapter for important information.

This book describes how to install VISION:Inquiry. Any questions regarding the installation should be directed to Computer Associates Technical Support. For more information, see Contacting Computer Associates on page 1-11.

About this Book

Read this chapter to acquire an understanding of the elements and processes that comprise the installation of VISION:Inquiry at your site.

Read Chapter 2, "Installation", and the accompanying appendices, before starting the installation process so that you can have all of the details regarding the installation, customization, and maintenance of VISION:Inquiry.

Note: Throughout this document, OS/390® is synonymous with z/OS™ , unless specified differently.

Audience

The System Programming Group is usually responsible for software product installation and maintenance because of their SMP/E (System Modification Program Extended) knowledge. This book assumes a working knowledge of the SMP/E Facility and its processes.

A basic standalone SMP/E installation and maintenance approach is presented. For the knowledgeable SMP/E user, there is enough information provided in this book, and the supplied JCL and Control Statements, to allow integration with any site specific SMP/E standards. For the SMP/E novice, this book and the SMP/E documentation should provide enough of the information and concepts you need to complete the SMP/E installation process.

OS/390 SMP/E Facility

Starting with version 6.5 of VISION:Inquiry and its features, the installation and maintenance is managed by, and under control of, the OS/390 SMP/E facility provided by IBM. This process differs significantly from previous releases of VISION:Inquiry.

Licensed Management Program

VISION:Inquiry uses the Computer Associates License Management Program (LMP), which provides a standardized and automated approach to the tracking of licensed software.

Installation Process

The installation process consists of the following:

- Pre-installation activities that include:

  IMS/DC System Generation

  DB2 Attach Facility Specifications

  Licensing Requirements
- Installation steps to:

  Load the installation preparation libraries from the tape

  Generate the required JCL using the Installation Preparation Dialog

  Set up SMP/E and allocate libraries

  RECEIVE and APPLY the VISION:Inquiry elements into the Global and target zones/ libraries
- Post-installation activities to:

  Build IMS control blocks

  Create and initialize the VISION:Inquiry work databases

  Create and load the system database

  Create and load the test databases
- Verifying the Installation
- Installation steps to ACCEPT the VISION:Inquiry elements and build the distribution libraries
- Customizations and setups

Note: The installation process also has some references to the Definition Process described in Chapter 5, The Definition Process of the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.

A worksheet for determining and listing various installation-dependent items and a check list describing the installation activities, step-by-step, are also provided.

When a new release of VISION:Inquiry is distributed, you receive the distribution tape, this Installation Guide, and the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*, which contains complete installation and customization instructions. However, because some of the steps involved in a new installation are unnecessary when upgrading to a new release, you will also receive the *VISION:Inquiry Release Summary* which contains instructions for migrating from any supported release to the current release of VISION:Inquiry.

With a new release of VISION:Journey, you receive a CD containing the software and the related documentation.

With a new release of Intraccess, you receive a tape and CD containing the software and the related documentation.

Pre-Installation Activities

You must complete a number of pre-installation activities before VISION:Inquiry can run, some of which you can perform before the actual installation steps. In a typical data processing installation, some of these tasks should be scheduled well in advance of the intended implementation time. The first of these is to review the supplied documentation to determine the specifics (options, database names, and so on) that apply to the installation. The following sections relate to activities recommended for advance preparation.

- Installation worksheet starting on page 2-1.
- Installation check list starting on page 2-9.
- IMS generation specifications starting on page 2-20.
- DB2 Attach Facility specifications starting on page 2-25

  This chapter contains information for sites licensed with the VISION:Inquiry DB2 option, and without the DB2 option. Text containing DB2 is specifically applicable to DB2 licensed sites.
- PC specifications and requirements.

  For Intraccess or VISION:Journey specifications and requirements, see the Intraccess or VISION:Journey documentation.

Pre-Installation Aids

This section contains materials to help you install your system in a procedural fashion, and it provides a means of documenting the installation. There is a worksheet to identify the names of the various VISION:Inquiry components, and a check list to describe each step of the installation process.

Before beginning your installation, become familiar with the information in this chapter and the *Advantage* VISION:Inquiry *Release Summary* (formerly the Customer Bulletin); also fill out the Installation Worksheets starting on page 2-1 and review the Installation Check List on page 2-9.

System Components

VISION:Inquiry is an effective tool for easy access to information stored in IMS (DL/I) databases, DB2 tables or views, and VSAM data sets. To use VISION:Inquiry, the end user needs relatively little data processing experience or knowledge of database and file structures, display terminal characteristics, or knowledge of the IMS environment.

This chapter contains information for sites licensed with the VISION:Inquiry DB2 option and without the DB2 option. Text containing DB2 is specifically applicable to DB2 licensed sites. Terms such as database, database map, user database, and so on, refer equally to IMS (DL/I) databases, DB2 tables or views, and VSAM data sets, unless explicitly qualified.

The native VISION:Inquiry system consists of a system database, the inquiry processing programs, and utility programs.

The VISION:Inquiry system database is the heart of the system and can be implemented as an IMS (DL/I) HDAM database (OSAM or VSAM), consisting of root segments only or a two-column DB2 table. The utility programs are used to create and maintain the system database. The four native inquiry processing programs (inquiry processors) are:

- MPP (Message Processing Program)
- BMP (Batch Message Processing program)
- DL/I batch program
- TSO online executive.

The Automatic Query Facility (AQF) is a menu-driven component of the VISION:Inquiry system. AQF consists of a set of MFS screens, programs, and a HIDAM (Hierarchical Indexed Direct Access Method) work database.

The Text Editor facility is the stored inquiry editor component of the VISION:Inquiry system. The Text Editor consists of a set of MFS screens, programs, and a work database to keep the intermediate results. The work database type is specified at installation time and can be an HDAM IMS (DL/I) database or a DB2 table.

The DB2 option of VISION:Inquiry allows access to the DB2 tables. When the DB2 option is installed, there is an idependent load module and the other DB2-specific routines are link edited with the other VISION:Inquiry processing programs.

Intraccess is a Java-based tool that communicates with VISION:Inquiry using TCP/IP. To allow VISION:Inquiry to communicate with PC through Intraccess, you must have the IMS Connect facility installed on your system. (See the Intraccess documentation for the information about the Intraccess components.)

The VISION:Journey facility allows you to do all interactions on the PC. The VISION:Journey host component consists of an HDAM (Hierarchical Direct Access Method) download database, file transfer processing programs, and utility programs.

The VISION:Inquiry test data are used for installation verification and to demonstrate VISION:Inquiry's capability of diagnosing problems. The test data supplied with VISION:Inquiry are two IMS (DL/I) databases, DB2 tables, DB2 views, and four VSAM data sets. You can find more detailed information about the structure and test data in Chapter 3, System Components, of the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.

VISION:Inquiry Configuration Requirements

- Operates as a message processing program (MPP), a batch message processing program (BMP), a DL/I batch program, or an interactive TSO program.
- Operates in MVS in the IMS/DC, BMP, IMS batch, and TSO environments.

  Note: IMS/DC is generic and is generally meant to represent IMS/DC and IMS/TM.

- Utilizes standard coding and design conventions for application programs executing in these environments.
- Supports terminals, display stations, and printers supported by Message Format Service (MFS).

Product Terminology

The following terms (in alphabetical order) are used to reference different parts of VISION:Inquiry.

Automatic Query Facility (AQF)	The menu driven portion of VISION:Inquiry. AQF uses different menus to build the inquiry and then passes control to native VISION:Inquiry to process the inquiry and send the output to the terminal.
Database database map user database	Database, database map, and user database apply equally to IMS (DL/I) databases, DB2 tables/views, and VSAM data sets except where specifically noted.
Intraccess	A Java-based tool that communicates with VISION:Inquiry using TCP/IP. Use it to run queries stored in the VISION:Inquiry system data base, deliver the data to PCs, and make the data available to end users.
Native SQL Syntax	A facility of native VISION:Inquiry which provides you with the capability to use embedded SQL SELECT statements to access DB2 tables.
Native VISION:Inquiry	The free-form portion of VISION:Inquiry (not including AQF).
VISION:Journey for Windows	Facility which provides users with the capability to download the data or report to a PC file using Microsoft® Windows. VISION:Journey is licensed separately.
VISION:Journey download data set	Staging file used to hold data for download processing. For VISION:Journey, this data set is an HDAM IMS (DL/I) database. The person who installs the product must specify the data set type at installation time.
VISION:Inquiry	The complete system, comprising Native VISION:Inquiry and AQF.
VSAM hierarchical data sets	VSAM data sets with fixed or variable occurrences of data items. These types of VSAM data sets are defined differently for VISION:Inquiry than other VSAM data sets which, in this guide, are called *VSAM non-hierarchical data sets*.

The following notation is used in the VISION:Inquiry documents:

DB2 tables/views	Means DB2 tables or views.
DL/I database	Means the same as IMS (DL/I) database.
LLLLLL (MMMMMM)	Indicates that MMMMMM is a member of the LLLLLL library.

Associated Documents

The following books are available for VISION:Inquiry. All of the VISION:Inquiry books are on the VISION:Inquiry documentation compact disc.

Advantage VISION:Inquiry for IMS and TSO Getting Started	Contains a brief introduction to the product and an overview of the installation. This document was previously known as the CD booklet.
Advantage VISION:Inquiry for IMS and TSO Release Summary	This environment-specific document contains practical techniques for using VISION:Inquiry more efficiently. It also contains information pertinent to new releases of the system as well as useful information from our customers and Technical Support staff. ■ Use this environment-specific document in conjunction with its corresponding *Advantage VISION:Inquiry for IMS and TSO Technical Reference Guide.* ■ This document was previously called the *VISION:Inquiry Customer Bulletin*.
Advantage VISION:Inquiry for IMS and TSO Installation Guide	This environment-specific document contains the installation instructions and the Post-Installation Dialog.

Advantage VISION:Inquiry for IMS and TSO Technical Reference Guide	This environment-specific document contains descriptions of the system components, information on defining the system, using the system utilities, programming and operation considerations, user exits, system modules and system macros. ■ Use this environment-specific document, in conjunction with its corresponding *Advantage VISION:Inquiry for IMS and TSO Release Summary*. ■ This document was previously called the *VISION:Inquiry Technical Reference Manual*.
Advantage VISION:Inquiry for IMS and CICS Automatic Query Facility (AQF) User Guide	Provides end users with information about using VISION:Inquiry Automatic Query Facility (AQF). It explains the use of the menu-driven system and provides examples of simple and complex inquiries. This document may be referred to as the *AQF User Guide*. This document was previously called the *VISION:Inquiry for IMS and CICS Automatic Query Facility User's Guide*.
Advantage VISION:Inquiry Reference Guide	Provides end users with information about using VISION:Inquiry. It explains command statements, provides syntax rules, and contains examples showing how the language works. ■ This document was previously called the *VISION:Inquiry for IMS, CICS, and TSO User's Guide*. ■ The *VISION:Inquiry Reference Summary* is now included in an appendix in the *VISION:Inquiry Reference Guide*. It is an easy-to-use summary of VISION:Inquiry statements and commands and their relationships to each other.

Advantage VISION:Inquiry Messages Guide	Lists and explains the various input and output error messages that can be issued by AQF, native VISION:Inquiry, and VISION:Journey for Windows. This document was previously called *VISION:Inquiry for IMS, CICS, and TSO Error and Informational Messages*.

The following is a list of associated documents for VISION:Inquiry:

VISION:Journey for Windows System Administrator's Guide	Provides the hardware and software requirements, the PC software installation procedure, and the steps necessary by the system administrator to establish and maintain the user profiles for VISION:Journey for Windows. This document is on the VISION:Journey compact disc.
VISION:Journey for Windows User's Guide	Explains the menu commands, dialog boxes, and functions available to the end user and how to use them. This document is on the VISION:Journey compact disc.
Intraccess help	Explains the menu commands, dialog boxes, and functions available to both the user with administrative authority and the end user. This documentation is on the Intraccess compact disc.

CD-ROM Contents

- Online documentation
- Adobe® Acrobat® Reader software and Acrobat Help

About the Online Documentation

The CD-ROM contains the documentation for VISION:Inquiry. The documents, called books, are in Adobe Acrobat Portable Document Format (PDF) and are designed for you to read online using the Acrobat Reader.

Each online document contains a table of contents, index, and cross-references.

Note: You can install the online documentation only on a Windows® system.

Installing Online Documentation and the Acrobat Reader

You can install the online documentation on your local hard drive or on a network server. Alternately, you can access the documentation directly from the CD-ROM.

If you do not have Acrobat Reader installed, you can install it from the CD-ROM.

To install the online documentation, the Acrobat Reader, or both:

1. Close all application programs.
2. Insert the CD-ROM into the CD-ROM drive.
3. Click the Start menu and select Run.
4. In the Run dialog box, type: D:\Books\Setup.exe (where D:\ is the CD-ROM drive) and click OK.
5. Follow the instructions. Computer Associates recommends that you install the online documentation in the default directory (C:\ProgramFiles\CA\Advantage VISION_Inquiry 6.5 IMS\Books\) or a directory of your choice (for example, C:\VISION_Inquiry 6.5 IMS\Books\).

Viewing Online Documentation

Regardless of the location of the online documentation (on a local drive, a network server, or CD-ROM), you can view the online documentation using the following methods:

- In Windows, click the Start menu, point to Programs, point to Advantage VISION_Inquiry 6.5 IMS. Double-click the PDF file name.
- In Windows Explorer, point to the Books directory on the hard drive where you installed the online documentation. Double-click the PDF file name.
- In Windows Explorer, point to the Books directory on the CD-ROM drive and double-click the PDF file name.

Using Adobe Acrobat Reader

Use Acrobat Reader to view the online documentation, adjust the size of the page, and perform searches. For more information, use the Acrobat Help menu.

Contacting Total License Care (TLC)

TLC is available Monday-Friday 7 am - 9 pm Eastern Time in North America and 7 am - 7 pm United Kingdom time. Additionally, 24-hour callback service is available for after hours support. Contact TLC for all your licensing requirements.

Be prepared to provide your site ID for product activation.

To activate your product, use one of the following:

Location	Phone	email
North America:	800-338-6720 (toll free) 631-342-5069	help@licensedesk.cai.com
Europe:	00800-1050-1050	euro.tlc@ca.com
If your company or local phone service does not provide international access, please call your local Computer Associates office and have them route you to the above number.		
Australia:	1-800-224-852	
New Zealand:	0-800-224-852	
Asia Pacific:	800-224-852	
Brazil:	55-11-5503-6100	
Japan:	Not available	JPNTLC@ca.com

Contacting Computer Associates

For technical assistance with this product, contact Computer Associates Technical Support on the Internet at eSupport.ca.com. Technical support is available 24 hours a day, 7 days a week.

Chapter

2

Installation

This chapter tells you how to install VISION:Inquiry. The installation of the product requires the OS/390 SMP/E facility and the Computer Associates License Management Program (LMP).

Installation Worksheets

Use the worksheets to help you identify and name various items required during installation of VISION:Inquiry. The data is broken down into various logical groupings; within each group you are given descriptions of items for which names are required. The supplied names are listed for items created or loaded from the tape during installation, and blank spaces are provided for you to enter in the names you use. If you are installing many transactions or separate test and production systems, you should make copies of the worksheet before filling in the blanks.

If you are viewing this documentation on-screen, you need to print this chapter to use the Installation Worksheet.

Native VISION:Inquiry Installation Worksheet (Page 1 of 2)

	Trans. 1	Trans. 2	Supplied as
IMS/DC Requirements			
Transaction codes			
Online (MPP)			II
Deferred (BMP)			IIBMP
Program names			
Online (MPP)			II
Deferred (BMP)			IIBMP
PSB names			
Online (MPP)			II
Deferred (BMP)			II
MFS MOD names			INQIMS INQUDO

Native VISION:Inquiry Installation Worksheet (Page 2 of 2)			
	Trans. 1	Trans. 2	Supplied as
IMS/DB Requirements			
System database DBD name			IXXDB
ddname			IXXDB
Data set name			II.IXXDB
PLANT test database DBD name			IIDBDDM
Prime ddname			IIDBDDM
Overflow ddname			IIDBDDMO
Prime data set name			II.PLANT
Overflow data set name			II.PLANTOV
SKILL test database DBD name			IIDBDDS
Prime ddname			IIDBDDS
Overflow ddname			IIDBDSSO
Prime data set name			II.SKILL
Overflow data set name			II.SKILLOV
PSB Names for Batch Inquiry and Utility Programs			
Initialize system database			IIPSB01
Maintenance utilities			IIPSB02
Build test databases			IIPSB03
Batch inquiries			II
System database randomizer			IMSVS.RESLIB (IXXRMODL)

Native VISION:Inquiry Installation Worksheet (Page 1 of 2)			
	Trans. 1	Trans. 2	Supplied as
DB2 Requirements			
Subsystem name (SSID)			DSN
Plan name			II
System database (Authid.Name)			DYLINQ.IISYSTEM
IBM test table authid			DSN82
Test tables/views (Authid.Name)			DYLINQ.IIPLANT
			DYLINQ.IIPLANT_PROD
			DYLINQ.IIPLANT_EMP
			DYLINQ.IIEMP_SAL
			DYLINQ.IIEMP_ED
			DYLINQ.IIEMP_ED_SUB
			DYLINQ.IISKILL
			DYLINQ.IISKILL_PLANT
			DYLINQ.IISKILL_EMP
			DYLINQ.IIPRODUCTS
			DYLINQ.IISALARIES
			DYLINQ.IIEDUCATION
			DYLINQ.IISKILLS
VSAM Requirements			
VSPLANT test file ddname			VSPLDS
Data set name			VS.VSPLDS
VSSKILL test file ddname			VSSKDS
Data set name			VS.VSSKDS
VSHPLANT test file ddname			VSHPLDS

Native VISION:Inquiry Installation Worksheet (Page 2 of 2)			
	Trans. 1	Trans. 2	Supplied as
Data set name			VS.VSHPLDS
VSHSKILL test file ddname			VSHSKDS
Data set name			VS.VSHSKDS

VISION:Inquiry Text Editor Installation Worksheet			
	Trans. 1	Trans. 2	Supplied as
Text Editor IMS/DC Requirements			
Transaction code Online (MPP)			 IQED
Program name Online (MPP)			 INQEDIT
PSB name Online (MPP)			 INQEDIT
MFS MOD names			TEXTMFS TEXTHLP EDITMFS
Text Editor IMS/DB Requirements			
Work database DBD name			IDXFTS
ddnames			FTSROOT FTSDESC FTSRECS
Data set names			II.IDXFTS.ROOT II.IDXFTS.DESC II.IDXFTS.RECS
PSB Names for Utility Programs for the Text Editor Work Database			
Initialize utility			FTSPSBL
Cleanup utility			FTSPSBC

VISION:Inquiry Text Editor Installation Worksheet <$paranum			
	Trans. 1	**Trans. 2**	**Supplied as**
Work database randomizer			IMSVS.RESLIB (DFSHDC40)
Text Editor DB2 Requirements			
Work database (Authid.Name) Table name Index name			 II.DB2TXT_WORK II.DB2TXT_INDEX

Notes on Text Editor Requirements

- PSB Name requirements outlined above are required if the Text Editor work database type is IMS.
- If you have the VISION:Journey option, the supplied Text Editor work database uses the same IMS (DL/I) database for the VISION:Journey download database.
- Text Editor DB2 requirements outlined above are required if the Text Editor work database type is DB2.

AQF Installation Worksheet (Page 1 of 2)			
	Trans. 1	**Trans. 2**	**Supplied as**
IMS/DC Requirements			
Transaction code			IIAQF
Program name			IAOI01
PSB name			IAOI01
MFS MOD names (nn is a 2-digit number)			AQFHnn AQFMnn AQFMnnA AQFIMS
IMS/DB Requirements			
Work database DBD names			IXXAQF IXXAQFIX
ddnames			IXXAQF IXXAQFIX

AQF Installation Worksheet (Page 2 of 2)			
	Trans. 1	**Trans. 2**	**Supplied as**
Data set names			II.IXXAQF II.IXXAQFIX
PSB Name for Utility Program for the Work Database			
Initialize utility			AQFPSBIN

VISION:Inquiry Installation Worksheet (Page 1 of 2)	
Existing Libraries Required	
	Assumed Data Set Name
IMS online program library	
IMS ACBLIB DBDLIB MFSLIB PSBLIB	
IMS RESLIB	IMSVS.RESLIB
DB2 link/load library	DSN510.SDSNLOAD
Language environment library for PL/I compatibility entry points	CEE.SIBMCALL
Language Environment library for resident routines	CEE.SCEELKED
New Generated Target Libraries	
	Supplied as
Macro library	II.TCUYMAC
Source library	II.TCUYSRC
Job control library	II.TCUYCNTL
Program library	II.TCUYPGM
CLIST library	II.TCUYCLST

VISION:Inquiry Installation Worksheet (Page 2 of 2)	
Panel library	II.TCUYPLIB
Skeleton library	II.TCUYSLIB
Message library	II.TCUYMLIB
New Generated Distribution Libraries	
	Supplied as
Macro library	II.DCUYMAC
Source library	II.DCUYSRC
Job control library	II.DCUYCNTL
Object library	II.DCUYOBJ
Program library	II.DCUYPGM
CLIST library	II.DCUYCLST
Panel library	II.DCUYPLIB
Skeleton library	II.DCUYSLIB
Message library	II.DCUYMLIB

Installation Procedures and JCL

	Trans. 1	Trans. 2	Supplied as
IMS/DC application generation			
IMS/DC dynamic allocation			
ACB generation			ACBGEN
DBD generation			DBDGEN
PSB generation			PSBGEN
MFS generation			MFSUTL
IMS batch (BMP) procedure			
DL/I batch procedure			DLIBATCH

Notes on the Library Requirements

- New Generated Target and Distribution Libraries/The high-level qualifier for the target and distribution libraries can be changed.
- New Generated Target Libraries/CLIST library "II.TCUYCLST" is for TSO and Post-Installation only.
- New Generated Target Libraries/Panel, Skeleton, and Message library items are for Post-Installation only.

For the VISION:Journey component of VISION:Inquiry, the following additional preparation is required.

VISION:Journey Installation Worksheet			
	Trans. 1	**Trans. 2**	**Supplied as**
VISION:Journey IMS/DC Requirements			
Transaction codes Online (MPP)			FTS1 FTS3
Program names Online (MPP)			DYLI0SS DYLI010 DYLI020 DYLI030
PSB names Online (MPP)			DYLI0SS DYLI010
MFS MOD names			IDFTSP7 ODYMFS
VISION:Journey IMS/DB Requirements			
Download database DBD name			IDXFTS
ddnames			FTSROOT FTSDESC FTSRECS
Data set names			II.IDXFTS.ROOT II.IDXFTS.DESC II.IDXFTS.RECS
PSB Names for Utility Programs for Download database			

VISION:Journey Installation Worksheet			
	Trans. 1	Trans. 2	Supplied as
Initialize utility			FTSPSBL
Cleanup utility			FTSPSBC
Download database randomizer			IMSVS.RESLIB (DFSHDC40)

Notes on the VISION:Journey Installation Worksheet

VISION:Journey transaction code names must be identical except that the last character must end with a 1 and a 3.

For the VISION:Journey PC component, you can find the PC requirements and installation in the *VISION:Journey for Windows System Administrator's Guide*.

Installation Check List

A check list is provided to help you plan the installation of VISION:Inquiry.

Sections of the check list designated as pre-installation contain steps that can be performed before the actual installation steps. This may be necessary for the IMS generation portion of the installation, if IMS generations must be scheduled at your installation. If special scheduling is unnecessary, these steps can be performed when the installation steps are completed.

If you are viewing this documentation on-screen, you need to print this chapter to use the Installation Check List.

VISION:Inquiry Installation Checklist (Page 1 of 10)		
ACTIVITY	**SECTION**	✓
Preparation (Pre-Installation)		
1. Read the: ■ *Advantage VISION:Inquiry for IMS and TSO Technical Reference Guide* (previously called VISION:Inquiry Technical Reference Manual) ■ *Advantage VISION:Inquiry Reference Guide* (previously called VISION:Inquiry User's Guide), and ■ *Advantage VISION:Inquiry for IMS and TSO Release Summary* (previously called VISION:Inquiry Customer Bulletin) to become familiar with VISION:Inquiry and how to use it.		❑
2. Complete the installation worksheets.	Installation Worksheets on page 2-1	❑
IMS/DC System Generation Specification (Pre-Installation)	IMS/DC System Generation Specifications on page 2-20	❑
3. Verify that the Language Environment (LE) support and the LE libraries are available in the MPP region(s).		❑
4. Code APPLCTN and TRANSACT macros for the native VISION:Inquiry MPP and BMP transactions, Text Editor transaction, and AQF transaction desired.		❑
5. Code APPLCTN and TRANSACT macros for VISION:Journey MPP transactions.		❑
6. Code DATABASE macros for the VISION:Inquiry system database (if using an IMS (DL/I) system database), the PLANT and SKILL test databases, and any newly-defined user databases.		❑

VISION:Inquiry Installation Checklist (Page 2 of 10)		
ACTIVITY	**SECTION**	✓
Code DATABASE macro for the Text Editor work database (if using an IMS (DL/I).		❑
Code DATABASE macro for the AQF work database.		❑
7. Code DATABASE macro for the VISION:Journey download database. Note that the VISION:Journey download database can be the same as the Text Editor IMS (DL/I) work database; the DATABASE macro should be coded once if that is the case.		❑
8. Perform an IMS/VS system definition using these macros.		❑
9. Add DD statements for the newly defined databases to the MPP JCL or code DFSMDA macros and execute the IMSDALOC procedure.		❑
10. If using the Intraccess option, verify that IMS Connect is installed and customized to communicate with your IMS region through the IMS TCP/IP OTMA Connection (IMS TOC).		❑
DB2 Attachment Facility Specifications (Pre-Installation)	DB2 Attach Facility Specifications on page 2-25	
11. Ensure that the connection between DB2 and IMS/DC is available and accesses the appropriate plan for your VISION:Inquiry transaction.		❑
12. You need to bind a new plan for VISION:Inquiry. If you do not have BINDADD authority, have an authorized user create the plan for you ahead of time by binding a dummy plan using the name you select, then grant BIND and EXECUTE WITH GRANT OPTION authority over the plan.		❑

VISION:Inquiry Installation Checklist (Page 3 of 10)		
ACTIVITY	**SECTION**	✓
Loading the Installation Tape Files		
13. Make sure the Computer Associates Licensing System is available on your System.	Licensing Requirements on page 2-26	❑
Installation Steps		
14. Copy the first file on tape to disk.	Step 1 – Copy System Tape File 1 to a Sequential Dataset on page 2-30	❑
15. Copy files 2 thru 6 on tape to disk.	Step 2 – Copy System Tape File 2 through 6 to Disk Datasets on page 2-31	❑
16. Complete the IP Dialog.	Step 3 - Complete the IP Dialog on page 2-36	❑
17. Allocate datasets.	Step 4 – Allocate Datasets on page 2-60	❑
18. Define CSI and SMP/E zones.	Step 5 – Define the Global, Distribution, and Target Zones in the SMP/E CSI on page 2-61	❑
19. Receive and Apply VISION:Inquiry base into the Global and Target Zones/datasets.	Step 6 – RECEIVE the MCS and SYSMODS into the Global Zone on page 2-61 and Step 7 – APPLY the VISION:Inquiry Elements (SYSMODS) to the Target Libraries on page 2-61	❑
20. Add the DB2 library definition to the Target and Distribution Zones. This step is only required if you are installing the DB2 option alone.	Step 8 – ADD DB2 Library Definition to the Target and Distribution Zones on page 2-62	❑

VISION:Inquiry Installation Checklist (Page 4 of 10)		
ACTIVITY	**SECTION**	✓
21. Receive and Apply the VISION:Inquiry DB2 option into the Global and Target Zones/datasets.	Step 9 – RECEIVE the MCS and SYSMODS for the DB2 option to the Global Zone on page 2-62 and Step 10 – APPLY the Elements (SYSMODS) of the DB2 Option to the Target Libraries on page 2-62	❑
22. Receive and Apply a USERMOD for the DB2 option into the Global and Target Zones/datasets.	Step 11 – RECEIVE a USERMOD for the DB2 option and/or the Journey feature to the Global Zone on page 2-62 and Step 12 – APPLY the USERMOD for the DB2 option and/or the Journey feature to the Target Libraries on page 2-63	❑
23. Receive and Apply a USERMOD for the VISION:Journey feature into the Global and Target Zones/datasets.	Step 13 – RECEIVE a USERMOD for the Journey feature to the Global Zone on page 2-64 and Step 14 – APPLY the USERMOD for the Journey feature to the Target Libraries on page 2-65	❑
24. Receive and Apply the latest PTFs into the Global and Target Zones/datasets.	Step 15 – RECEIVE and APPLY the Latest PTF SYSMODS into the Global Zone and Target Libraries on page 2-65	❑

VISION:Inquiry Installation Checklist (Page 5 of 10)		
ACTIVITY	**SECTION**	✓
25. Copy the required entries to the IMS online program library or add the VISION:Inquiry target program library to the online JCL in the program library concatenation.		❑
Post-Installation Steps		
Generating IMS Control Blocks	Generating IMS Control Blocks on page 2-68	
26. Edit (as required) the members IXXDB, IIPSB01, and IIPSB02 (if using an IMS (DL/I) system database) and IIDBDDM, IIDBDDS, and IIPSB03 (if installing the IMS (DL/I) test databases), and IIPSB in II.TCUYSRC.		❑
27. For AQF, edit (as required) the members IXXAQF, IXXAQFIX, AQFPSB, and AQFPSBIN in II.TCUYSRC.		❑
28. For the Text Editor, edit (as required) the members IDXFTS, FTSPSBL, FTSPSBC, and TEXTPSB (if using an IMS (DL/I) work database) in II.TCUYSRC.		❑
29. For VISION:Journey for Windows, edit (as required) the members IDXFTS, FTSPSBL, FTSPSBC, JRNPSB1, and JRNPSB2 in II.TCUYSRC.		❑
30. Edit (as required) the JCL member IIPSBDBD in II.TCUYCNTL and perform the necessary DBDGENs, PSBGENs, and ACBGEN.		❑
Binding the DB2 Plan	Binding the DB2 Plan on page 2-82	
31. Edit (as required) the JCL member DB2BIND in II.TCUYCNTL. Add the necessary JCL and execute it.		❑
32. Use the TSO command `EXEC 'control-library (DB2BIND)'` to bind the DB2 plan to be used by VISION:Inquiry.		❑

VISION:Inquiry Installation Checklist (Page 6 of 10)		
ACTIVITY	**SECTION**	✓
33. Using SPUFI, execute the SQL statement: `GRANT EXECUTE ON PLAN plan-name TO PUBLIC` to make the plan available to all VISION:Inquiry users.		❑
Defining MFS Screen Formats	Defining MFS Screen Formats on page 2-82	
34. Edit (as required) the members INQIMS or INQUDO in II.TCUYSRC.		❑
– You do not have to edit INQIMS or INQUDO if you only want to change the MOD name or the transaction name. You can override a name by passing an override to SYSPARM in the preassembly step in the CNTL member IIFORMAT.		
For the Text Editor, edit (as required) members EDITMFS, TEXTHLP, and TEXTMFS in II.TCUYSRC.		❑
For AQF, edit (as required) the member names starting with AQFH and AQFM in II.TCUYSRC.		❑
– For the Text Editor and for AQF, you do not have to edit an MFS member if you only want to change the MFS name. You can override a name by passing an override to SYSPARM in the preassembly step in the CNTL member IIFORMAT.		
35. For VISION:Journey, edit (as required) the members FTSMFS and ODYMFS in II.TCUYSRC.		❑
– For VISION:Journey, you do not have to edit an MFS member if you only want to change the name. You can override a name by passing an override to SYSPARM in the preassembly step in the CNTL member IIFORMAT.		

VISION:Inquiry Installation Checklist (Page 7 of 10)		
ACTIVITY	**SECTION**	✓
36. Perform the necessary MFSGENs via IIFORMAT in the II.TCUYCNTL library.		❑
Installing the Test Databases		
37. If the IMS (DL/I) test databases are to be installed, edit (as required) and submit member IMSDEMO in II.TCUYCNTL.	Installing the Test Data on page 2-88	❑
38. If the DB2 test tables and views are to be installed, edit (as required) and submit as input to SPUFI member DB2DEMO in II.TCUYCNTL.	Installing the Test Data on page 2-88	❑
39. If the VSAM test data sets are to be installed, edit (as required) and submit control library members VSAMDEMO and VSMHDEMO in II.TCUYCNTL.	Installing the Test Data on page 2-88	❑
40. Install the system database.	Defining and Initializing the System Database on page 2-92	❑
41. Allocate and initialize the Text Editor work database.	Defining and Initializing the Text Editor Work Database on page 2-95	❑
42. Allocate and initialize the AQF work database.	Defining and Initializing the AQF Work Database on page 2-98	❑
43. Allocate and initialize the VISION:Journey download database if it is different than the Text Editor work database.	Defining and Initializing the VISION:Journey Download Database on page 2-99	❑
44. Define the test data (databases, tables/views, and data sets) to the system database.	Defining a Test Application on page 2-100	❑
45. For Text Editor, edit (as required) the member CUYIEPRM in II.TCUYSRC. Assemble and link the member.	Changing the Text Editor Parameters on page 2-102	❑

VISION:Inquiry Installation Checklist (Page 8 of 10)		
ACTIVITY	**SECTION**	✓
46. For AQF, edit (as required) the member CUYIAMOD in II.TCUYSRC. Assemble and link the member.	Changing the MFS MOD Names of the AQF Screens on page 2-103	
Installing the Intraccess or VISION:Journey Option		
47. Install the Intraccess option using the Intraccess documentation.		❑
48. Install the VISION:Journey PC Component See the VISION:Journey PC installation requirements and procedure in the *VISION:Journey for Windows System Administrator's Guide*.	Installing the PC Component of VISION:Journey on page 2-103	❑
49. Ensure that your installation meets the requirements.		❑
Verifying the Installation	Step 17 - Verifying the Installation on page 2-104	
50. Check that all components have been installed properly.		❑
51. Check that there is at least one valid LTERM definition for an online terminal.		❑
If you are going to use the commands to route output to VISION:Journey or Intraccess (that is, to your PC), verify that a dummy terminal named "PC" is defined with PCOUT="YES".		❑
The name of the dummy terminal must be PC.		

VISION:Inquiry Installation Checklist (Page 9 of 10)		
ACTIVITY	**SECTION**	**✓**
52. Prepare to invoke the native VISION:Inquiry transaction: Start the system and test databases if necessary. For example: `/START DB IXXDB, IIDBDDM, IIDBDDS`		❑
If the VISION:Inquiry MFS formats have been stored in the test format libraries, enter `/TEST MFS`		❑
Format the screen. For example, enter `/FORMAT INQIMS`		❑
If necessary, fill in the TRANCODE field with a VISION:Inquiry MPP transaction code (supplied as II).		❑
53. Enter `DISPLAY SYSTEM;;`		❑
54. Enter DISPLAY statements for the test databases you have installed. For example: DISPLAY PLANT PLANT.NAME PLANT.PHONE; DISPLAY PL2PROD DESC AMT;;		❑
55. To test the Text Editor, first store an inquiry in the system database. For example: `DDI PLANT 'TEST1' DISPLAY PLANT PLANT.ID;;` Then try to display the stored inquiry TEST1 in edit mode as follows: EDITSQ PLANT 'TEST1';;		❑
56. To test AQF, do the following:		❑
Start the AQF work database if necessary. For example, enter `/START DB IXXAQF, IXXAQFIX`		❑

VISION:Inquiry Installation Checklist (Page 10 of 10)		
ACTIVITY	**SECTION**	✓
If the AQF MFS formats have been stored in the test format libraries, enter `/TEST MFS`		❑
Enter your AQF transaction code (supplied as IIAQF) followed by a blank space. Press Enter to display the Introduction screen.		❑
Enter your native VISION:Inquiry transaction code on the AQF Introduction screen and press Enter.		❑
Follow the instructions on each screen to generate a few sample queries from the *Advantage VISION:Inquiry for IMS and CICS Automatic Query Facility (AQF) User Guide*.		❑
57. To verify installation and test of the Intraccess option, see the Intraccess documentation.		❑
58. Check that all VISION:Journey components have been installed properly.		❑
59. To test VISION:Journey, use the *VISION:Journey for Windows User's Guide* to download data to a PC file and check the result.		❑
60. Accept the VISION:Inquiry base, DB2 option, USERMODs, and latest PTFs into the Distribution libraries.	Step 18 – ACCEPT the VISION:Inquiry Base Elements (SYSMODS) to the Distribution Libraries on page 2-109 through Step 22 – ACCEPT the latest PTF SYSMODS into the Distribution Libraries on page 2-110	
61. Review the Customizations and Setups section and perform any steps that you require.	Customizations and Setups on page 2-111	

IMS/DC System Generation Specifications

Native VISION:Inquiry executes under IMS/DC as an ordinary MPP or BMP transaction. The transactions, applications, and databases must be defined through specifications in an IMS system generation.

Make sure that Language Environment (LE) is available in the link list of the STEPLIB concatenation in the MPP and BMP JCL.

Use IMS System Generation Macros

Figure 2-1 shows the IMS system generation macros required to define the native VISION:Inquiry MPP and BMP transactions and its features to the IMS system. Note the important comments at the beginning of each set of macros.

You can also find the macros shown in Figure 2-1 in the VISION:Inquiry target macro library member, II.TCUYMAC(IMSGEN), after the SMP/E installation of the product.

```
*********************************************************************
*                                                                   *
*        VISION:Inquiry, VISION:Journey, and FTS feature            *
*                STAGE 1 IMS INSTALLATION MACROS.                   *
*                                                                   *
*********************************************************************
*
*  Note that the following specified DBD, PSB, and transaction
*  names are the supplied default names. They may be changed
*  along with all the references to their names in the
*  installation process.
*
*===================================================================*
*                                                                   *
* ** Native VISION:Inquiry macros for MPP and BMP environments      *
*                                                                   *
*===================================================================*
*
* MPP environment:
*
* NOTE: The MSGTYPE=(,RESPONSE) parameter may be removed
*       from the TRANSACT macro below if you are not using
*       the VISION:Journey feature.
*
 APPLCTN  PSB=II,PGMTYPE=(TP)
 TRANSACT CODE=II,INQUIRY=NO,MSGTYPE=(,RESPONSE)
*
* BMP environment:
*
 APPLCTN  PSB=IIBMP,PGMTYPE=(BATCH)
 TRANSACT CODE=IIBMP,INQUIRY=NO
*
* System Database (if it is an IMS database)
*
 DATABASE  DBD=(IXXDB),ACCESS=UP
*
* PLANT and SKILL IMS test databases (if installed)
* Note that all user databases should have similar DATABASE macro
*
 DATABASE  DBD=(IIDBDDM)
 DATABASE  DBD=(IIDBDDS)
*
```

Figure 2-1 IMS System Generation Macros (IMSGEN) (Page 1 of 4)

```
*
*====================================================================*
*                                                                    *
*               ***** Text Editor macros *****                       *
*                                                                    *
*====================================================================*
*
 APPLCTN  PSB=INQEDIT,PGMTYPE=(TP)
 TRANSACT CODE=IQED,INQUIRY=NO
*
*
*====================================================================*
*                                                                    *
*                    ***** AQF macros *****                          *
*                                                                    *
*====================================================================*
*
 APPLCTN  PSB=IAOI01,PGMTYPE=(TP)
 TRANSACT CODE=IIAQF,INQUIRY=NO,SPA=(4500)
*
* AQF work database
*
 DATABASE  DBD=(IXXAQF),ACCESS=UP
 DATABASE  DBD=(IXXAQFIX),ACCESS=UP
*
*
*====================================================================*
*                                                                    *
*                ***** FTS feature macros: *****                     *
*  NOTES:                                                            *
*    - For performance reasons, it is strongly recommended that the  *
*      third FTS feature transaction (FTS3) be marked as wait        *
*      for input, as shown below.                                    *
*    - The FTS feature transaction codes must have a common prefix   *
*      and must end with the numbers 1 through 3.                    *
*                                                                    *
*====================================================================*
*
 APPLCTN  PSB=IDFTS1,PGMTYPE=(TP),FPATH=NO,SCHDTYP=SERIAL
 TRANSACT CODE=FTS1,MSGTYPE=(SNGLSEG,RESPONSE),MODE=SNGL,EDIT=ULC
 APPLCTN  PSB=IDFTS2,PGMTYPE=(TP),FPATH=NO,SCHDTYP=SERIAL
 TRANSACT CODE=FTS2,MSGTYPE=(SNGLSEG,RESPONSE),MODE=SNGL,EDIT=ULC
 APPLCTN  PSB=IDFTS3,PGMTYPE=(TP),FPATH=NO,SCHDTYP=SERIAL
 TRANSACT CODE=FTS3,MSGTYPE=(SNGLSEG,RESPONSE),MODE=SNGL,EDIT=ULC,WFI
*
*====================================================================*
*                                                                    *
*              ***** VISION:Journey macros: *****                    *
*  NOTES:                                                            *
*    - For performance reasons, it is recommended that the second    *
*      VISION:Journey transaction (FTS3) be marked as wait for       *
*      input, as shown below.                                        *
*    - The transaction codes must have a common prefix and end with  *
*      the number 1 for the first transaction code and the number 3  *
*      for the second transaction code.                              *
*                                                                    *
*====================================================================*
*
*  VISION:Journey macros
*
 APPLCTN  PSB=DYLI0SS,PGMTYPE=(TP)
 TRANSACT CODE=FTS1,MSGTYPE=(SNGLSEG,RESPONSE),MODE=SNGL,EDIT=ULC
 APPLCTN  PSB=DYLI010,PGMTYPE=(TP)
 TRANSACT CODE=FTS3,MSGTYPE=(SNGLSEG,RESPONSE),MODE=SNGL,EDIT=ULC,     X
               SPA=(2000),WFI
*
```

Figure 2-1 IMS System Generation Macros (IMSGEN) (Page 2 of 4)

```
* Text Editor work database (if it is an IMS database)
* and VISION:Journey/FTS feature download database
* NOTE: If two different databases are used for Text Editor
*       and VISION:Journey/FTS feature, two database macros
*       are required.
*
 DATABASE  DBD=(IDXFTS),ACCESS=UP
*
*
*********************************************************************
*                                                                   *
*        VISION:Inquiry, VISION:Journey, and FTS feature            *
*                  DYNAMIC ALLOCATION MACROS.                       *
*                                                                   *
*********************************************************************
*
*
*  Note that the following specified parameters (DBNAME, DDNAME,
*  and DSNAME) are the supplied default names. They may be changed
*  along with all the references to their names in the
*  installation process.
*
*
*===================================================================*
*                                                                   *
* ** System  database (if it is an IMS database)                    *
*                                                                   *
*===================================================================*
*
 DFSMDA TYPE=DATABASE,DBNAME=IXXDB
 DFSMDA TYPE=DATASET,DDNAME=IXXDB,DSNAME=II.IXXDB
*
*===================================================================*
*                                                                   *
* ** Supplied IMS test databases (PLANT and SKILL)                  *
*                                                                   *
*===================================================================*
*
 DFSMDA TYPE=DATABASE,DBNAME=IIDBDDM
 DFSMDA TYPE=DATASET,DDNAME=IIDBDDM,DSNAME=II.PLANT
 DFSMDA TYPE=DATASET,DDNAME=IIDBDDMO,DSNAME=II.PLANTOV
*
 DFSMDA TYPE=DATABASE,DBNAME=IIDBDDS
 DFSMDA TYPE=DATASET,DDNAME=IIDBDDS,DSNAME=II.SKILL
 DFSMDA TYPE=DATASET,DDNAME=IIDBDDSO,DSNAME=II.SKILLOV
*
*===================================================================*
*                                                                   *
* ** AQF work database                                              *
*                                                                   *
*===================================================================*
*
 DFSMDA TYPE=DATABASE,DBNAME=IXXAQF
 DFSMDA TYPE=DATASET,DDNAME=IXXAQF,DSNAME=II.IXXAQF
 DFSMDA TYPE=DATABASE,DBNAME=IXXAQFIX
 DFSMDA TYPE=DATASET,DDNAME=IXXAQFIX,DSNAME=II.IXXAQFIX
*
*===================================================================*
*                                                                   *
* ** Text Editor work database (if it is an IMS database)           *
* ** and VISION:Journey/FTS feature download database               *
* NOTE: If two different databases are used for Text Editor         *
*       and VISION:Journey/FTS feature, two sets of macros          *
```

Figure 2-1 IMS System Generation Macros (IMSGEN) (Page 3 of 4)

```
*       are required.                                                  *
*                                                                      *
*======================================================================*
*
 DFSMDA TYPE=DATABASE,DBNAME=IDXFTS
 DFSMDA TYPE=DATASET,DDNAME=FTSROOT,DSNAME=II.IDXFTS.ROOT
 DFSMDA TYPE=DATASET,DDNAME=FTSDESC,DSNAME=II.IDXFTS.DESC
 DFSMDA TYPE=DATASET,DDNAME=FTSRECS,DSNAME=II.IDXFTS.RECS
```

Figure 2-1 IMS System Generation Macros (IMSGEN) (Page 4 of 4)

Specify applications/transactions

The IMS APPLTN and TRANSACT macros define the native VISION:Inquiry transaction and its features such as Text Editor, AQF, and VISION:Journey components to the IMS system as shown in Figure 2-1 (note the important comments at the beginning of each set of macros).

It is also possible to allow parallel processing for VISION:Inquiry transactions. For this case, you need to specify the following macro for all VISION:Inquiry transactions.

```
TRANSACT …,MODE=SNGL
```

Note: There are some other considerations for parallel processing that are discussed in Generating IMS Control Blocks on page 2-68 and Step 23 – APPLY Customizing APARs (Optional) on page 2-111.

VISION:Journey also requires that your native VISION:Inquiry be a response type transaction, that is, MSGTYPE=(,RESPONSE) should be coded for native VISION:Inquiry transactions.

Specify Databases

The system database (if an IMS (DL/I) system database is to be used), the Text Editor work database (if its type is IMS (DL/I)), the AQF work database, and each user database (including the PLANT and SKILL test databases, if they are to be installed) must be specified in a DATABASE macro.

You can have more than one system database in your installation; the PSB determines the system database as one of the following:

- The first DBD in the PSB with a DBD name beginning with IXXDB, if any
- The last DBD in the PSB.

Note: In the AQF PSB, the AQF work database DBD must be the first and the system database (if the system database is an IMS (DL/I) database) must be the second DBD in the PSB.

Additionally, the VISION:Journey download database (IDXFTS) must be specified in the DATABASE macro, as shown in Figure 2-1 on page 2-20.

You can have more than one download database in your installation; using VISION:Journey, the VISION:Inquiry PSB determines the download database as the first DBD in the PSB with a DBD name beginning IDXFTS, if any. Otherwise, it should be either the second to the last PCB (if the last PCB is the system database PCB), or the last PCB.

The VISION:Journey download database does not need to be included in the PSB used by AQF. The VISION:Journey download database and the Text Editor work database can be the same database.

Add DD Statements to MPP Region JCL

You also need to add appropriate DD statements to your MPP region JCL for the system database (if an IMS (DL/I) system database is used), the Text Editor IMS (DL/I) work database, the AQF work database, and the IMS (DL/I) test databases.

Additionally, for VISION:Journey, you need to add appropriate DD statements to your MPP region JCL for the download database or use the same database as the Text Editor IMS (DL/I) work database.

The DD statements are shown in Figure 2-2 and can also be found in the VISION:Inquiry target CNTL library member, II.TCUYCNTL(IMSJCL), after the SMP/E installation of the product.

```
*********************************************************************
*                                                                   *
*        VISION:Inquiry, VISION:Journey, and FTS feature            *
*        DD statements to be added to your MPP region JCL.          *
*                                                                   *
*********************************************************************
*
*  Note that the following specified DD and dataset names are the
*  supplied default names. They may be changed along with all the
*  the references to their names in the installation process.
*
*===================================================================*
*                                                                   *
* ** SYSTEM DATABASE (IMS)                                          *
*                                                                   *
*===================================================================*
*
//IXXDB    DD DISP=SHR,DSN=II.IXXDB
*
*===================================================================*
*                                                                   *
* ** Supplied IMS Test Databases (PLANT and SKILL)                  *
*                                                                   *
*===================================================================*
*
//IIDBDDM  DD DISP=SHR,DSN=II.PLANT
//IIDBDDMO DD DISP=SHR,DSN=II.PLANTOV
*
//IIDBDDS  DD DISP=SHR,DSN=II.SKILL
//IIDBDDSO DD DISP=SHR,DSN=II.SKILLOV
*
```

Figure 2-2 DD Statements to be Added to MPP Region JCL (Member IMSJCL) (Page 1 of 2)

```
*====================================================================*
*                                                                    *
* ** AQF Work Database                                               *
*                                                                    *
*====================================================================*
*
//IXXAQF   DD DISP=SHR,DSN=II.IXXAQF
//IXXAQFIX DD DISP=SHR,DSN=II.IXXAQFIX
*
*====================================================================*
*                                                                    *
* ** Text Editor work database (IMS)                                 *
* ** and VISION:Journey/FTS feature Download Database                *
* ** NOTE: If two different databases are used for Text Editor       *
*          and VISION:Journey/FTS feature, two sets of DD            *
*          statements are also required.                             *
*                                                                    *
*====================================================================*
*
//FTSROOT  DD DISP=SHR,DSN=II.IDXFTS.ROOT
//FTSDESC  DD DISP=SHR,DSN=II.IDXFTS.DESC
//FTSRECS  DD DISP=SHR,DSN=II.IDXFTS.RECS
```

Figure 2-2 DD Statements to be Added to MPP Region JCL (Member IMSJCL) (Page 2 of 2)

These data sets are not used until they are loaded during the installation of VISION:Inquiry.

Code Dynamic Allocation Macros

Alternatively, you can code DFSMDA (dynamic allocation) macros for the data sets and execute the IMSDALOC procedure. The sample macros are shown at the end of Figure 2-1 on page 2-20 and can also be found in the VISION:Inquiry target macro library member, II.TCUYMAC(IMSGEN), after the SMP/E installation of the product.

DB2 Attach Facility Specifications

When running under IMS/DC, VISION:Inquiry uses the IMS Attach Facility of DB2 (IMS Attach) to access DB2 data. Before attempting to use VISION:Inquiry to access DB2 data under IMS/DC, be certain that this facility has been installed and the connection to IMS has been activated.

Specify Resource Translation Table (RTT)

If the DB2 plan name to be used by VISION:Inquiry when running in the MPP region is not the same as the online (MPP) program name, an entry must be placed in the Resource Translation Table (RTT) that defines the association between application program names and the DB2 plan name to be allocated by IMS Attach.

Similar entries are also required for the Text Editor if using the DB2 work database and for AQF if using the DB2 system database. This table is stored as a load module in the DB2 load library DSNvr0.SDSNLOAD (vr is the DB2 version and release number); the name of the load module is specified as the fourth

parameter in the Subsystem Member (SSM) of IMSVS.PROCLIB in use by the dependent region. The VISION:Inquiry target macro library member II.TCUYMAC(INQYRTT) contains the sample RTT entries.

Documentation for the IMS Attach Facility of DB2 is in the IBM Database 2 Administration Guide.

Bind a Plan for VISION:Inquiry

After SMP/E installation of the product, you need to bind a DB2 plan for use by VISION:Inquiry. If you do not have DB2 BINDADD authority, you may want to have an authorized user create the plan for you ahead of time by binding a dummy plan (using any available DBRM) under the plan name you use and executing the following SQL statements under SPUFI:

```
GRANT BIND ON PLAN plan-name TO your-authid;
GRANT EXECUTE ON PLAN plan-name TO your-authid WITH GRANT OPTION;
```

Licensing Requirements

VISION:Inquiry interfaces with the Computer Associates Licensing System using the CA TNG Framework for OS/390 Common Services CAIRIM and its CA-LMP facility, which is used to track licensed software.

For more information regarding the CA TNG Framework for OS/390 Common Service CAIRIM and its CA-LMP facility, refer to the *Unicenter TNG Framework for OS/390 Reference Guide* and the *Unicenter TNG Framework for OS/390 Installation and Maintenance Guide*.

CA-LMP (License Management Program) is a standardized and automated approach for tracking licensed software. CA-LMP is provided as an integral part of CAIRIM, and is required for VISION:Inquiry to execute properly.

If CAIRIM has not already been installed on your system, you must install it before you install and use VISION:Inquiry. See the Unicenter TNG Framework for OS/390 documentation for information about installing CAIRIM.

Note: Once CAIRIM has been installed or maintained at GenLevel 9212 or above, CA-LMP support will be available for all Computer Associates products that support CA-LMP.

Before the Installation of VISION:Inquiry, you should get your Computer Associates Licensing Key information coded and integrated into the CAIRIM CA-LMP facility. An LMP Product key certificate that contains your execution key for each CPU licensed at your site is delivered with the VISION:Inquiry system tape.

CA-LMP is a standard function for all Computer Associates software products. You must add a record with your VISION:Inquiry CA-LMP Execution Key information, as provided on the key certificate, to the KEYS member in the CAIRIM parameter data set, at the OPTLIB DD statement; this ensures that VISION:Inquiry executes properly.

The parameter structure for member KEYS is:

```
PROD(pp) DATE(ddmmmyy) CPU(tttt-mmmm/ssssss) LMPCODE(kkkkkkkkkkkkkk)
```

pp	The two-character product code for VISION:Inquiry and its DB2 optional feature; required.
TO	CA-VISION:Inquiry for IMS Engine and its Components.
K8	CA-VISION:Inquiry DB2 Option.
ddmmmyy	The CA-LMP licensing agreement expiration date (for example, 15JAN02).
tttt-mmmm	The CPU type and model (for example, 3090-0600) on which the product is to run; required. If the CPU type and/or model are less than four characters, insert blank spaces for the unused characters.
ssssss	The serial number of the CPU on which the product is to run; required.
kkkkkkkkkkkkkk	The execution key needed to run the product; required. The CA-LMP execution key can be found on the key certificate that was shipped with the product.

Here is an example of the parameter entry for the CA-LMP:

```
PROD(SM) DATE(31JAN03) CPU(3090-0600/315109) MPCODE(5149K01131R08ES)
```

For more information about defining the CA-LMP execution keys using the CAIRIM parameters, refer to the *Unicenter TNG Framework for OS/390 Installation and Maintenance Guide.*

Installation Steps

This section describes the step-by-step installation process. VISION:Inquiry is delivered on a Tape Cartridge. An LMP Product key certificate contains your execution key for each CPU licensed at your site.

For future reference, save all the output generated during the installation along with the system tape.

The basic SMP/E setup and installation process is identical for all users. The first file on the system tape contains the JCL for a job to transfer the next five tape files to disk datasets. These are the files that are used for preparing and generating the required JCL to complete the installation, customizing, and maintenance processes. It uses a simple interactive ISPF dialog invoked by a REXX Exec to tailor the JCLs.

System Tape

The VISION:Inquiry system tape supplied for the OS/390 operating system in the IMS environment is a standard labeled tape cartridge containing 22 files. The following table shows the order and content of the files on the tape.

File	File name	Description
1	INQY.PREP.JCL	A JCL for a job that transfers the next five files on the tape to disk datasets.
2-6		The datasets needed to run the Installation Preparation Dialog under ISPF.
2	II.PREP.CNTL	Contains the JCL, Usermods, PTFs (Program Temporary Fixes), and APARs (Authorized Program Analysis Reports) used during the installation, customization, and maintenance processes. This PDS will be populated with the JCL and Control statements generated as described in Installation Preparation Dialog on page 2-33 through Step 3 - Complete the IP Dialog on page 2-36.
3	II.PREP.CLIST	Contains the REXX Execs used under ISPF to run the dialog.
4	II.PREP.MLIB	Contains the Dialog Messages.
5	II.PREP.PLIB	Contains the Dialog Panels and Helps.

File	File name	Description
6	II.PREP.SLIB	Contains the JCL and Control statement models that needs "tailoring." These will be "File Tailored" by the Dialog into the II.PREP.CNTL datasets.
7	CCUY650.SMPMCS	A sequential dataset that contains the SMP/E Modification Control Statements (MCS) to install the base VISION:Inquiry product and its features as well as the DB2 option of the product.
8-17	CCUY650.F1 Thru F10	VISION:Inquiry relative files used for SMP/E installation.
8	CCUY650.F1	The SMP/E JCLLIB statements used for VISION:Inquiry installation.
9	CCUY650.F2	Contains the VISION:Inquiry Macro library members.
10	CCUY650.F3	Contains the VISION:Inquiry Source library members.
11	CCUY650.F4	Contains the VISION:Inquiry Object library members in link-edited format.
12	CCUY650.F5	Contains the VISION:Inquiry Control library members.
13	CCUY650.F6	Contains the VISION:Inquiry Program library members.
14	CCUY650.F7	Contains the VISION:Inquiry Panel library members for post-installation processes.
15	CCUY650.F8	Contains the VISION:Inquiry Skeleton library members for post-installation processes.
16	CCUY650.F9	Contains the VISION:Inquiry Message library members for post-installation processes.
17	CCUY650.F10	Contains the VISION:Inquiry Clist library members for post-installation processes.
18-22	CDIO650.F1 Thru F5	Relative files for the DB2 option of VISION:Inquiry used for SMP/E installation.

File	File name	Description
18	CDIO650.F1	The SMP/E JCLLIB statements used for installation of the DB2 option.
19	CDIO650.F2	Contains the Source library members for the DB2 option.
20	CDIO650.F3	Contains the Object library members in link-edited format for the DB2 option.
21	CDIO650.F4	Contains the Control library members for the DB2 option.
22	CDIO650.F5	Contains the Load library members for the DB2 option.

System Tape Unload

In this portion of the VISION:Inquiry installation, you copy the elements and components that you need for installation of the product from the system tape to disk datasets. The following two steps are performed to create a group of disk data sets that contain the installation preparation portion of the VISION:Inquiry software system:

- Step 1 - Copy System Tape File 1 to a Sequential Dataset
- Step 2 – Copy System Tape File 2 through 6 to Disk Datasets on page 2-31

Step 1 – Copy System Tape File 1 to a Sequential Dataset

File 1 on the system tape is a sequential file containing the JCL to transfer the next five files on the tape to disk datasets. These files are used for the SMP/E installation preparation and required JCL generation. Use the IBM utility IEBGENER to copy the first file from tape to disk, as shown in Figure 2-3 on page 2-31. Customize the bold italic text with the appropriate values for your installation and run the job.

The output is the JCL that is used in Step 2 as shown in Figure 2-4 on page 2-31.

You may also need to replace (in the JCL shown in Figure 2-3 on page 2-31):

```
LABEL=n
```

with

```
LABEL=(n,SL,EXPDT=98000)
```

for compatibility with some tape management systems at your installation.

You can find the tape volume serial number(tape-volser) on the external label of the VISION:Inquiry tape.

```
//COPY     EXEC PGM=IEBGENER,REGION=1M
//SYSUT1   DD DISP=OLD,DSN=INQY.PREP.JCL,
//            LABEL=1,
//            UNIT=CART,VOL=SER=TAPE-VOLSER
//SYSUT2   DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(TRK,(1,1)),DSN=YOUR.INSTALL.JCL
//SYSPRINT DD  SYSOUT=*
//SYSIN    DD  DUMMY
```

Figure 2-3 IEBGENER Utility

Step 2 – Copy System Tape File 2 through 6 to Disk Datasets

In Step 2, you transfer the VISION:Inquiry installation preparation files from tape to disk datasets. The disk datasets created in Step 2, along with tape files 7 through 22 are used for the installation of VISION:Inquiry base product and its optional features.

Customize the bold italic JCL in Figure 2-4 with appropriate values for your installation and run the job. Note that you can only modify the High Level Qualifier (II) of the disk dataset names in Figure 2-4. The SPACE parameter in Figure 2-4 shows the number of blocks for the datasets on 3390 direct access storage device.

Upon execution of the job shown in Figure 2-4, the tape files 2 through 6 are copied into the disk datasets created in this job.

You may also need to replace (in the JCL shown in Figure 2-4):

```
LABEL=n
```

with

```
LABEL=(n,SL,EXPDT=98000)
```

for compatibility with some tape management systems at your installation.

You can find the tape volume serial number(tape-volser) on the external label of the VISION:Inquiry tape.

```
//COPY1    JOB (ACCT-INFO),'YOUR-NAME',CLASS=1,
//         MSGCLASS=A,NOTIFY=YOUR-ID,USER=YOUR-ID
/*ROUTE PRINT LOCAL
//*
//*
//*    *============================================================*
//*    *===  JCL TO COPY FILES 2-6  FROM THE VISION:Inquiry    ===*
//*    *===  INSTALLATION TAPE TO THE IN-STREAM ALLOCATED      ===*
//*    *===  DISK FILES.  THESE FILES ARE THE PREPARATION      ===*
//*    *===  DIALOGS USED FOR THE INSTALLATION OF THE PRODUCT. ===*
//*    *============================================================*
//*
//*
```

Figure 2-4 IEBCOPY Utility (Page 1 of 2)

```
//COPY     EXEC PGM=IEBCOPY,REGION=1M
//SYSPRINT DD SYSOUT=*
//SYSUT3   DD UNIT=SYSDA,SPACE=(TRK,10)
//SYSUT4   DD UNIT=SYSDA,SPACE=(TRK,10)
//TAPE1    DD DISP=OLD,DSN=II.PREP.CNTL,
//            LABEL=2,
//            UNIT=CART,VOL=SER=TAPE-VOLSER
//TAPE2    DD DISP=OLD,DSN=II.PREP.CLIST,
//            LABEL=3,VOL=REF=*.TAPE1
//TAPE3    DD DISP=OLD,DSN=II.PREP.MLIB,
//            LABEL=4,VOL=REF=*.TAPE1
//TAPE4    DD DISP=OLD,DSN=II.PREP.PLIB,
//            LABEL=5,VOL=REF=*.TAPE1
//TAPE5    DD DISP=OLD,DSN=II.PREP.SLIB,
//            LABEL=6,VOL=REF=*.TAPE1
//*
//DASD1    DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(3120,(70,10,6)),
//            DSN=II.PREP.CNTL
//DASD2    DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(3120,(60,2,3)),
//            DSN=II.PREP.CLIST
//DASD3    DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(3120,(10,2,2)),
//            DSN=II.PREP.MLIB
//DASD4    DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(3120,(60,2,5)),
//            DSN=II.PREP.PLIB
//DASD5    DD DISP=(NEW,CATLG),UNIT=SYSDA,
//            SPACE=(3120,(75,2,5)),
//            DSN=II.PREP.SLIB
//*
//SYSIN    DD *
  COPY O=DASD1,I=TAPE1
  COPY O=DASD2,I=TAPE2
  COPY O=DASD3,I=TAPE3
  COPY O=DASD4,I=TAPE4
  COPY O=DASD5,I=TAPE5
/*
```

Figure 2-4 IEBCOPY Utility (Page 2 of 2)

Installation Preparation Dialog

In order to generate and build all the JCL and Control Statements needed during the installation, customization, and maintenance of processes of VISION:Inquiry, an Interactive ISPF Installation Preparation dialog (sometimes referred to as IP Dialog in this guide) is provided as part of VISION:Inquiry. The ISPF Dialog is controlled by a REXX exec that is started from TSO/ISPF Option 6. The datasets containing the REXX Exec and ISPF Dialog elements are the datasets copied in the previous section. The displays within the dialog prompt you for the various values needed to generate and tailor all the JCL and Control statements required for the installation of the product and referenced in this guide. There are no special requirements for your ISPF system in order to run the dialog. Your TSO Logon Region Size should be at least 4096.

All values entered during the Dialog Sessions are saved in your Profile Variables and returned to the displays on subsequent Dialog invocations. The Dialog can be terminated and restarted at any time. The generated JCLs and Control Statements are placed into a PDS dataset (II.PREP.CNTL) for subsequent use during the Installation, Customizing and Maintenance procedure detailed in this guide. The IP Dialog contains a HELP facility and detailed descriptions of each panel and field value presented during your session. The same information is provided here for easy reference.

Tips and Hints about Using the Installation Preparation Dialog

- Initially, during the first invocation of the IP Dialog, all the values that are displayed are the default values.
- Once the values are accepted or changed, those values that are entered become the values displayed in subsequent invocations of the IP Dialog.
- The IP Dialog can be started and stopped at any time. All entered and saved information is available in the next session. The information is saved in your profile variables.
- You can erase all the profile variables created by the IP Dialog from your profile pool. This causes the next invocation of the IP Dialog to display the default values again.

To ERASE all profile variables created by this Dialog, enter the following execute command on the TSO/ISPF Option 6 screen:

```
EXEC 'II.PREP.CLIST(IQDEL)'
```

'II.PREP.CLIST(IQDEL)' is the data set and member containing the REXX Exec.

Note: The dataset name must match the name assigned to the file that was unloaded from the VISION:Inquiry system tape in Step 2 – Copy System Tape File 2 through 6 to Disk Datasets on page 2-31.

- This Dialog only prepares the JCLs and control statements. The instructions for using and submitting the JCLs are described later in this guide.
- This Dialog assumes a working knowledge of the SMP/E facility and its processes. The HELP facility provides enough basic information to guide the novice through the process.
- You can go to the HELP panels associated with the main panels by pressing the (PF1/F1) key and then the Enter key for page forward.

Dialog Navigation

The IP dialog allows you to select the installation of VISION:Inquiry base and all the optional features or to just install the Journey and/or DB2 option of the product if you have already installed the VISION:Inquiry base product.

- The Dialog moves forward, panel-to-panel, gathering the necessary information.
- You press Enter to advance from a panel to another panel and to save the values you have entered.
- When you need to change information or go back to a previous screen, use the END (PF3/F3) command. The information you have just entered at an input panel is not saved.
- When you get back to the VISION:Inquiry Installation Selection Panel, the END (PF3/F3) command EXITs the IP Dialog.

Note: All your saved information redisplays the next time you start the IP Dialog.

You use the CANCEL command to immediately EXIT the IP Dialog. Any information that you just entered is not saved when you use the CANCEL command.

When you EXIT the IP Dialog using the END or CANCEL commands, one of the following screens displays before you return to TSO/ISPF Option 6.

```
*******************************************************
***                                                 ***
***                 The Dialog was "ENDED" by User  ***
***                                                 ***
*******************************************************


***
```

Figure 2-5 Screen: The Dialog was ENDED by User

```
*******************************************************
***                                                 ***
***             The Dialog was "CANCELLED" by User  ***
***                                                 ***
*******************************************************


***
```

Figure 2-6 Screen: The Dialog was CANCELLED by User

The following is an example of an input panel with an error message.

```
------------------  VISION:Inquiry SMP/E Information  -----------------
OPTION  ===>
The CSI Data Set Name must end with '.CSI' .
 The OS/390 SMP/E Facility is designed to manage the Installation of
 Software Products and track any modifications.  SMP/E uses the CSI
 (Consolidated Software Inventory) to keep records about the software and
 SMPTLIB dataset as temporary storage for relative files that are loaded
 from product tape.
 Please provide the SMP/E Information below:  (Use HELP for details)

   Will the CSI be New ?  => YES        Enter YES or NO
   CSI Data Set Name      => II.CSI
   CSI VOLUME ("NEW" CSI) =>           (If Blank, No VOLUME Used)

   SMPTLIB Data Set Name Prefix => II
   SMPTLIB VOLSER               =>           (If Blank, No VOLSER Used)
   SMPTLIB Unit                 => SYSDA

   Distribution library zone name => INQYDST
   Target       library zone name => INQYTGT

Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-7 Example of an Input Panel with an Error Message

Basic SMP/E Concepts

SMP/E uses the following zones to organize and structure the information and elements of a software system:

- The global zone contains information regarding the elements staged in the SMP/E work data sets, and the indexes to the related distribution and target zones.
- The distribution and target zones contain information about the elements in the distribution and target libraries.

The software system elements (SYSMODS) are RECEIVED and the information is recorded into the global zone and staged in the work or the indirect data sets.

An APPLY run places elements into the target libraries using information from the target zone and recording the activity in the global zone. The target library elements are exercised and tested by the user to make sure they are satisfied with the performance and stability of the SYSMOD elements.

If everything works as expected, an ACCEPT run places elements into the distribution libraries using information from the distribution zone and records the activity in the global zone.

Note: Once an element (SYSMOD, USERMOD, PTF, or APAR) is ACCEPTED into the Distribution Libraries, you cannot RESTORE items back to their previous state or level.

Any future modifications (USERMOD, PTF, and APAR SYSMODS) to the software system follow the same basic flow.

There are points within this flow where Elements (SYSMODS) can be REJECTED from the global zone or RESTORED from the distribution libraries to the target libraries. These will be discussed later in this guide.

Step 3 - Complete the IP Dialog

A REXX exec controls the TSO/ISPF Installation Preparation Dialog. The IP Dialog is started from the TSO/ISPF Option 6 screen.

The IP Dialog contains the following sections:

Initialization Display	Use the panels in this section to get the default high-level index name for the SMP/E datasets and VISION:Inquiry target and distribution libraries. The high-level index name is also used to tailor the JCL and control statements.
Panel Display	Consists of different sets of panels. Use the panels in this section mainly to review and change all the variables needed for tailoring the JCL and control statements used during the installation, customization, and maintenance tasks associated with VISION:Inquiry.

The unloaded system tape datasets used by the IP Dialog are the II.PREP.CLIST,PLIB, MLIB, SLIB, and CNTL. The high level qualifier, II, can be changed while downloading the files from tape as shown in Step 2 – Copy System Tape File 2 through 6 to Disk Datasets on page 2-31.

Initialization Display

At the Command line on the TSO/ISPF Option 6 screen, enter an execute command, data set, and member name in the following format:

```
EXEC 'II.PREP.CLIST(IQPRINST)'
```

'II.PREP.CLIST(IQPRINST)' is the data set and member containing the REXX exec.

Note: The data set name must match the name assigned the file that was unloaded from the VISION:Inquiry system tape in Step 2 – Copy System Tape File 2 through 6 to Disk Datasets on page 2-31.

Once you have keyed the command, press Enter to start the Initialization Display section of the IP Dialog.

The first screen displayed is the Welcome Screen.

```
*******************************************************
***                                                 ***
***          Welcome to the VISION:Inquiry          ***
***                                                 ***
***         Installation Preparation Dialog         ***
***                                                 ***
***             Press ENTER to Continue             ***
***                                                 ***
*******************************************************

***
```

Figure 2-8 Welcome Screen

Press Enter to see the High-Level Index Information Screen, displaying the Default Parameter.

```
The High-Level Index Name you provided is:

               > II <

This value will be used to reference all the data sets
that you "UNLOADED" from the VISION:Inquiry System Tape
in the "COPY1" job.


Is this High-Level Index Name correct?  Enter Y or N

Enter END to terminate.
```

Figure 2-9 High-Level Index Information Screen (Default Parameter)

You need to respond to this screen with a Y or N in order to continue the IP Dialog.

If you respond with Y, indicating that the high-level index name is correct, you continue with the Panel Display section of the IP Dialog. The high-level index is used as a prefix to form the Data Set Names (DSNs) of the SMP/E datasets and VISION:Inquiry target and distribution libraries.

There is an intervening display telling you that the Panel Display section of the IP Dialog is about to start. The TSO/ISPF processing load on your system determines how long the start-up takes. If your system is very fast, you might not be able to see the intervening display:

```
Data Sets are being allocated.

The Panel Display Section will start in a few moments.....
```

If you respond with N to the High-Level Index Information Screen, you are given the chance to key another value:

```
The High-Level Index Name you provided is:

               > II <

This value will be used to reference all the data sets
that you "UNLOADED" from the VISION:Inquiry System Tape
in the "COPY1" job.


Is this High-Level Index Name correct?  Enter Y or N

ENTER the High-Level Index you would like to use.
IF Blank, The Default Value used will be > II <

Enter END to terminate.
```

Figure 2-10 High-Level Index Information Screen (with response of N)

Key in your new High-Level Index Name or key nothing (leave blank for the default), and press Enter.

The High-Level Index Information Screen displays again for you to verify your input. You have the opportunity again to respond Y or N.

If you enter an invalid value, such as something inappropriate for High-Level Index Names, an error condition displays indicating and asking for a new value:

```
The High-Level Index value you provided is:

               > 123 <

it contains invalid characters.

1ST POS    = A-Z or $,#,@ (National Std)
2ND to nTH = A-Z or $,#,@ or 1-9 or . (Period)

ENTER the High-Level Index you would like to use.
IF Blank, The Default Value used will be > II <
```

Figure 2-11 High-Level Index Information Screen (with error condition)

During the transition from the Initialization Display section to the Panel Display section, the high-level index is used as a prefix to form the DSNs of the data sets used by the IP Dialog. If there is a problem with the data sets, error displays describe the condition. Here is a sample of one such display:

```
Data Sets are being allocated.

The Panel Display Section will start in a few moments.....

'II.PREP.MLIB' DATASET NOT FOUND, Dialog will not run
'II.PREP.PLIB' DATASET NOT FOUND, Dialog will not run
'II.PREP.SLIB' DATASET NOT FOUND, Dialog will not run
'II.PREP.CNTL' DATASET NOT FOUND, Dialog will not run
***-------------------------------------------------------------***
***                                                             ***
***        THE PROCESS HAS TERMINATED WITH AN ERROR.            ***
***                                                             ***
***                    PRESS THE ENTER KEY                      ***
***                                                             ***
***-------------------------------------------------------------***


***
```

Figure 2-12 Example of error condition description

Press Enter and the IP Dialog terminates, returning you to the TSO/ISPF Option 6 Screen.

If there are no problems or errors, the VISION:Inquiry SMP/E Installation Panel (Figure 2-13) displays.

Note: There are several other conditional displays that are self-explanatory. Most likely, you will never see these other displays.

Panel Display

The Panel Display section of the IP Dialog is where you review and provide values for the variables that are placed into the JCL and control statements that are used during the installation, customization, and maintenance activities described in this guide.

The first panel displayed in this section of the IP Dialog is the Introduction panel. This panel provides some general information that is supplemented with more details by using the standard HELP facility.

```
-------------------- VISION:Inquiry Installation  ---------------------
OPTION  ===>
                    VISION:Inquiry SMP/E Installation

 This Dialog will help you prepare all the JCL and Control Statements
 needed for the SMP/E Installation, the Customizing, and the SMP/E
 Maintenance of your VISION:Inquiry Software System and its Components.

 This Dialog will present all the variables used within the JCLs and
 Control Statements that are needed to complete the SMP/E Installation,
 the Customizing, and the SMP/E Maintenance Tasks associated with your
 VISION:Inquiry Software System.

 Standard Helps and detailed descriptions are associated with each
 panel presented by the Dialog.  The same information is also provided
 in the VISION:Inquiry Installation Guide.

 This Dialog can be rerun at any time.  All information entered during
 a session is saved in your profile variables.  These values will be
 redisplayed in subsequent sessions.


Use  ENTER to get started
Use  END or CANCEL to Exit the Dialog
```

Figure 2-13 Introduction panel

Essentially, you provide information to be merged into the JCL and control statement models that are stored in the II.PREP.SLIB data set. The resulting File Tailored members are placed in the II.PREP.CNTL dataset, ready for use during the installation, customization, and maintenance tasks described in this guide.

The Panel Display is subdivided to Selection Panels, SMP/E Information Panels, Product Features Panels, and JCL Panels. To start the Selection Panels section of the IP Dialog, press Enter.

Selection Panels

The VISION:Inquiry Installation Selection Panel is the first panel displayed.

```
------------  VISION:Inquiry Installation Selection Panel  -------------
OPTION ===>


 Select an installation option:


    1  VISION:Inquiry Base with or without Optional Features


    2  DB2 Interface and/or VISION:Journey Feature Only


    Note:  You can select option 2 if you have already
           installed the VISION:Inquiry base.




Use  ENTER  to Process the Information
Use  END or CANCEL to Exit the Dialog
```

Figure 2-14 VISION:Inquiry Installation Selection Panel

Select option 1 when you want to install the VISION:Inquiry base product with or without the Optional Features such as DB2 or Journey. Select option 2 if you have already installed the VISION:Inquiry base product and you want to add the optional features: DB2 and Journey.

Note:

- The Intraccess feature of VISION:Inquiry is installed with the selection of option 1.
- If you select option 2, the IP Dialog assumes that the saved values from the installation of VISION:Inquiry base is in place and continue with the Product Features Panel on VISION:Inquiry Product Features Panel (option 2 or option F) on page 2-50. To check the validity of the saved values for option 2, you can select option 1 first, browse through the panels and verify the values, then return to the above panel and select option 2.

The following panel displays if you select option “1” to install VISION:Inquiry base and its optional features, if any.

```
------------------ VISION:Inquiry Selection Panel  --------------------
OPTION ===>

 Select one of the following options:

    S  SMP/E Datasets and System libraries information

   F  Product features specific parameters

    J  JCL generation




Use  ENTER  to Process the Information
Use  END    to Goto the Previous Display
Use  CANCEL to Exit the Dialog
```

Figure 2-15 VISION:Inquiry Selection Panel (option 1)

You have three options to select:

S Allows you to go through the SMP/E Information Panels to verify and change the information such as system libraries, SMP/E datasets, and VISION:Inquiry target and distribution dataset names. If you are installing VISION:Inquiry version 6.5 for the first time, Computer Associates recommends selecting this option first. You are returned to this panel again after completion of option “S”. Then, you can continue with option “F” for the features (if any) or continue with option “J” for the generation of the JCLs.

F Goes to the Product Features Panels on page 2-50 that ask for the parameters of the VISION:Inquiry optional features, DB2 option and/or Journey, if any. The default for this option is no optional features. You will be returned to this panel again after completion of option “F”. Then, you can continue with option “J” for the generation of the JCLs.

J Goes to the JCL Panels on page 2-53 to generate the installation JCLs based on the default or previously saved values for options “S” and “F”.

SMP/E Information Panels

The following SMP/E Information Panel displays if you select option "S" on the VISION:Inquiry Selection panel.

```
------------------  VISION:Inquiry SMP/E Information  -----------------
OPTION ===>

 Please enter the following information to be used for the install

   DASD unit     => SYSDA            Permanent DASD unit

   Tape unit     => CART             Generic tape unit

   Tape Volser   =>                  Product tape volume serial number

   Work unit     => SYSDA            Generic work unit

   SMP/E Volser  =>                  SMP/E volser (If Blank, No VOLUME Used)


   System Maclib       => SYS1.MACLIB
   LE PL/I PLICALLA/B  => CEE.SIBMCALL
   LE Resident Library => CEE.SCEELKED
   IMS Reslib          => IMSVS.RESLIB

Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-16 SMP/E Information Panel (option S)

Verify the information on this panel and change them if necessary.

The following is a description of the information on this panel.

DASD unit	Required. The unit value used for the creation of VISION:Inquiry target and distribution datasets. It is also used for the SMPTLIB, SMPPTS, SMPLOG, SMPLOGA, SMPSCDS, SMPLTS, SMPMTS, and SMPSTS datasets. This entry can later be changed on the following panels for the individual datasets.
Tape unit	Required. The unit value of the tape drive that is used for the product tape. The tape contains the SMP/E relative files containing the product elements.
Tape Volser	Required. The volume serial number of the product tape that contains the SMP/E relative files.
Work unit	Required. The unit value for SMP/E work datasets, SMPWRK1-6 and SYSUT1-4.

SMP/E Volser	Optional. Enter the Volser value to be used for the CSI, SMPTLIB, SMPPTS, SMPLOG, SMPLOGA, SMPSCDS, SMPLTS, SMPMTS, SMPSTS datasets as well as the target and distribution libraries. This entry can later be changed on the following panels for the individual datasets.
System Maclib	Required. The name of the IBM System Macro library.
LE PL/I PLICALLA/B	Required. The IBM Language Environment library dataset name to provide PLICALLA and PLICALLB compatibility.
LE Resident Library	Required. The IBM Language Environment Resident library dataset name.
IMS Reslib	Required. The IBM IMS resident library dataset name.

After you have verified and keyed the necessary information, press Enter to save the information and go to the next SMP/E Information panel.

The following panel contains information needed for defining the SMP/E CSI (Consolidated Software Inventory) and SMPTLIB data sets for VISION:Inquiry. The CSI data set is used by SMP/E to contain all the information needed to manage and track your installed software.

```
------------------  VISION:Inquiry SMP/E Information  ---------------
OPTION  ===>

 The OS/390 SMP/E Facility is designed to manage the Installation of
 Software Products and track any modifications.  SMP/E uses the CSI
 (Consolidated Software Inventory) to keep records about the software and
 SMPTLIB dataset as temporary storage for relative files that are loaded
 from product tape.
 Please provide the SMP/E Information below:  (Use HELP for details)

   Will the CSI be New ?  => YES        Enter YES or NO
   CSI Data Set Name      => II.CSI
   CSI VOLUME ("NEW" CSI) =>           (If Blank, No VOLUME Used)

   SMPTLIB Data Set Name Prefix => II
   SMPTLIB VOLSER               =>           (If Blank, No VOLSER Used)
   SMPTLIB Unit                 => SYSDA

   Distribution library zone name => INQYDST
   Target       library zone name => INQYTGT

Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-17 VISION:Inquiry SMP/E Information (SMP/E CSI and SMPTLIB data set definition)

The following is a description of the entries on the panel in Figure 2-17.

Will the CSI be New?	Required. Enter YES or NO to indicate whether new CSI Data Sets should be defined to hold VISION:Inquiry information. In the basic SMP/E approach described in this guide, you set up a new CSI to keep track of VISION:Inquiry. This is not a requirement since a single group of CSI data sets can be used to track many different software systems.
CSI Data Set Name (...CSI)	Required. Enter the data set name of your CSI VSAM Cluster. The default is the High-Level Index you supplied during the Initialization Display Section of the IP Dialog suffixed with .CSI. When a new CSI is being created, this is the VSAM Cluster Name. If you use an existing CSI, supply the Cluster name here.
CSI VOLUME ("NEW" CSI)	Optional. This entry only applies to a new CSI. This entry is used in the VOLUME parameter of the VSAM Cluster definition for the new CSI. If left blank, no VOLUME parameter is specified.
SMPTLIB Data Set Name Prefix	Optional. Enter the High-Level Index prefix for SMPTLIB datasets. The SMPTLIB datasets are used as temporary storage for relative files that are loaded from the product tape during RECEIVE processing. The default is the High-Level Index you supplied during the Initialization Display Section of the IP Dialog suffixed by ".Fmid.Fn", where "Fmid" is CCUY650 and CDIO650 for the VISION:Inquiry base product and the DB2 option of the product, respectively. The "Fn" matches the number of relative file on the product tape (for example, F1, F2). If you delete this field, no high level qualifier is assigned to the SMPTLIB datasets and the datasets will be in form of “Fmid.Fn”.

SMPTLIB VOLSER	Optional. It is used in the VOL=SER= parameter of the SMPTLIB dataset when it is created. The default is the Volser you supplied on the previous panel. If left blank, no VOL=SER is specified.
SMPTLIB Unit	Required. It is the UNIT value to be used when the SMPTLIB datasets are created. The default is the DASD unit you supplied on the previous panel.
Distribution library zone name	Required. It is the SMP/E Name assigned to identify the Distribution Zone. The installation assumes that the distribution library zone is new and does not exist in your system.
Target library zone name	Required. It is the SMP/E Name assigned to identify the Target Zone. The installation assumes that the target library zone is new and does not exist in your system.

After you have verified and keyed the necessary information, press Enter to save the information and go to the next SMP/E Information panel.

The following panel shows the dataset names, volsers, and unit values for all the SMP/E datasets that are created for the installation of the product. The information is mainly based on the values you entered on the prior panels. You can change the high level qualifier for all the datasets, change the values for individual datasets, or go the next panel with no change by pressing Enter. If you have selected an existing CSI dataset on previous panel, the SMPPTS dataset name must be an already-created dataset. The SMPLOG and SMPLOGA datasets are optional and can be deleted to make them dummy datasets. If you make a global change to the high level qualifier of all the datasets in the HLQ for SMP/E Datasets field below and press Enter, the panel redisplays with the new dataset names for verification.

```
------------------  VISION:Inquiry SMP/E Information  -----------------
OPTION  ===>

 The following are the SMP/E dataset information.
 Please verify and make appropriate changes if necessary.
 You may change the dataset names individually or globally.

 HLQ for SMP/E Datasets  => II

DD NAME       DSNAME                                          VOLSER   UNIT
-------------------------------------------------------------------------------
SMPPTS        II.SMPPTS                                                SYSDA
SMPLOG        II.SMPLOG                                                SYSDA
SMPLOGA       II.SMPLOGA                                               SYSDA
SMPSCDS       II.SMPSCDS                                               SYSDA
SMPLTS        II.SMPLTS                                                SYSDA
SMPMTS        II.SMPMTS                                                SYSDA
SMPSTS        II.SMPSTS                                                SYSDA

 **** NOTE: SMPLOG and SMPLOGA datasets are optional, you may ****
 ****       delete the DSNAME(s) to make them dummy datasets ****
Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-18 VISION:Inquiry SMP/E Information (SMP/E data set names, volsers, and unit values)

After you have verified and keyed the necessary information, press Enter to save the information and go to the next SMP/E Information panel.

The following panel shows the dataset names, volsers, and unit values for all the VISION:Inquiry target libraries that are created and loaded during installation. The information is mainly based on the values you entered on the prior panels. You can change the high level qualifier for the datasets and change the VOLSER and UNIT values for individual datasets, or go to the next panel with no change by pressing Enter. If you make a global change to the high level qualifier of all the datasets in the HLQ for Target Libraries field below and press Enter, the panel redisplays with the new dataset names for verification.

```
------------------  VISION:Inquiry SMP/E Information  -----------------
OPTION  ===>

 The following are the VISION:Inquiry Target library information.
 Please verify and make appropriate changes if necessary.


 HLQ for Target Libraries  => II

DESCRIPTION   DSNAME                                          VOLSER   UNIT
-------------------------------------------------------------------------------
Control Lib.  II.TCUYCNTL                                              SYSDA
Source  Lib.  II.TCUYSRC                                               SYSDA
Program Lib.  II.TCUYPGM                                               SYSDA
Macro   Lib.  II.TCUYMAC                                               SYSDA
Clist   Lib.  II.TCUYCLST                                              SYSDA
Panel   Lib.  II.TCUYPLIB                                              SYSDA
Msg     Lib.  II.TCUYMLIB                                              SYSDA
Skel    Lib.  II.TCUYSLIB                                              SYSDA


Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-19 VISION:Inquiry SMP/E Information (Target Library data set names, volsers, and unit values)

After you have verified and keyed the necessary information, press Enter to save the information and go to the next SMP/E Information panel.

The following panel shows the dataset names, volsers, and unit values for all the VISION:Inquiry distribution libraries that are created and loaded during installation. The information is mainly based on the values you entered on the prior panels. You can change the high level qualifier for the datasets and change the VOLSER and UNIT values for individual datasets, or go to the next panel with no change by pressing Enter. If you make a global change to the high level qualifier of all the datasets in the HLQ for Distribution Libraries field below and press Enter, the panel redisplays with the new dataset names for verification.

```
------------------  VISION:Inquiry SMP/E Information  -----------------
OPTION  ===>

 The following are the VISION:Inquiry Distribution library information.
 Please verify and make appropriate changes if necessary.


 HLQ for Distribution Libraries  => II

DESCRIPTION   DSNAME                                          VOLSER   UNIT
-------------------------------------------------------------------------------
Control Lib.  II.DCUYCNTL                                              SYSDA
Source  Lib.  II.DCUYSRC                                               SYSDA
Object  Lib.  II.DCUYOBJ                                               SYSDA
Program Lib.  II.DCUYPGM                                               SYSDA
Macro   Lib.  II.DCUYMAC                                               SYSDA
Clist   Lib.  II.DCUYCLST                                              SYSDA
Panel   Lib.  II.DCUYPLIB                                              SYSDA
Message Lib.  II.DCUYMLIB                                              SYSDA
Skel    Lib.  II.DCUYSLIB                                              SYSDA

Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-20 VISION:Inquiry SMP/E Information (Distribution Library data set names, volsers, and unit values)

After you have verified and keyed the necessary information, press Enter to save the information.

At this point you have completed and saved the information about SMP/E datasets, system libraries, and VISION:Inquiry target and distribution libraries. You are returned to the VISION:Inquiry Selection Panel Figure 2-15 on page 2-42. If you have the DB2 and/or Journey optional features, select option "F" and press Enter to go to the VISION:Inquiry Product Features Panels (below). Otherwise, select option "J" to go to the JCL Panels on page 2-53 to generate the JCLs.

Product Features Panels

The following panel displays if you select option 2 or option F on the first or second panel of the Selection Panels, respectively.

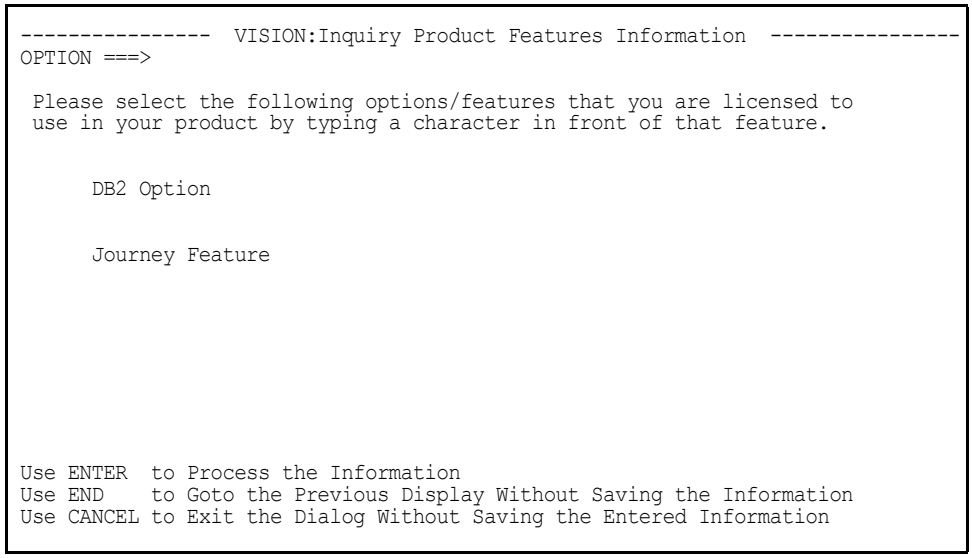

Figure 2-21 VISION:Inquiry Product Features Panel (option 2 or option F)

Select the features you are licensed to use as explained on the panel and press Enter.

- Selecting no feature and pressing Enter returns you to Figure 2-15 on page 2-42. You can then select option "J" to go to the JCL Panels on page 2-53 to generate the necessary JCLs for the installation of the product.
- Selecting the DB2 option displays Figure 2-22 on page 2-51 to enter the DB2 information.
- Selecting the Journey feature only displays Figure 2-23 on page 2-52 to enter VISION:Journey information.

The following panel displays if you selected the DB2 option on the previous panel.

```
---------------  VISION:Inquiry Product Features Information  ---------------
OPTION ===>

 Enter any modifications at your installation

   System Database Type => DB2               IMS OR DB2

   DB2 Subsystem Id     => DSN

   DB2 Plan Name        => II

   DB2 Load Library     => DSN510.SDSNLOAD

   System DB Table Name =>                  (Authid.Name)



Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-22 VISION:Inquiry Product Features Panel (DB2 option)

Note that the System DB Table Name on this panel only displays if you select the System Database Type as DB2.

The following is a description of the entries on this panel.

System Database Type	Required. Enter IMS or DB2 to indicate the type of the VISION:Inquiry system database. The default is IMS. If you enter the type as DB2, the panel redisplays with the System DB Table Name field to be filled in.
DB2 Subsystem Id	Required. It is the DB2 subsystem name for connecting to DB2.
DB2 Plan Name	Required. It is the VISION:Inquiry DB2 plan name to access DB2 tables.
DB2 Load Library	Required. It is the DB2 load library dataset name in your system.
System DB Table Name	This field only displays if you have selected the type of system database as DB2. It is the name of the DB2 system database in the form of Authid.name and is a required field.

After you have verified and keyed the necessary information, press Enter to save the information. The panel in Figure 2-23 displays to enter the Journey information if you have also selected the Journey feature. Otherwise, you are returned to the panel displayed in Figure 2-15 on page 2-42 to select option "J" to go to the JCL Panels on page 2-53 to generate the JCLs.

The following panel displays if you selected the Journey feature on the VISION:Inquiry Selection Panel.

```
---------------  VISION:Inquiry Product Features Information  ---------------
OPTION ===>

 ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:


   Transaction Code Base   => FTS          ( 1 and 3 will be appended
                                              to the base name )
   MFS Screen Name         => IDFTSP7

   First  load module name => DYLI0SS

   Second load module name => DYLI010

   Third  load module name => DYLI020

   Fourth laod module name => DYLI030


Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-23 VISION:Inquiry Product Features Panel (Journey Feature)

The following is a description of the entries on this panel.

Transaction Code Base	The transaction code prefix for the VISION:Journey feature to download a data/report. It must be known to VISION:Inquiry. This entry is appended with the suffixes of 1 and 3 to make the transaction names. Make sure that the transaction names are defined to your IMS system generation.
MFS Screen Name	The MFS used to indicate to the PC that it is ready to download a data/report (sometimes referred as the "shift-shift" screen).
First load module name	The name of the first VISION:Journey load module that gets control before the actual download.

Second load module name	The load module name of the send/receive program that sends or receives data to or from the PC workstation. It calls the programs that perform the functions either to read/write the data from/to the IMS download file or to compress the data to the PC workstation.
Third load module name	The load module name of the read/write program that reads or writes the data from or to the IMS download file.
Fourth load module name	The load module name of the compress program that compresses the data obtained from the IMS download file before sending it down to the PC workstation.

Pressing Enter returns you to the VISION:Inquiry Selection Panel (see Figure 2-15 on page 2-42). You can then select option "J" to go to the JCL Panels on page 2-53 to generate the necessary JCLs for the installation of the product.

JCL Panels

The following panel displays when you select option "J" on the VISION:Inquiry Selection Panel to generate the necessary installation JCLs. It contains the job statement information. The job statements start each JCL set that is created by the tailoring process.

```
-------------------  VISION:Inquiry JCL Information  ------------------
OPTION ===>

          Generate JCL - Part 1 - Setup the JOB Control Statements

 The JCL and Jobs that will be created for the Installation, Customizing,
 and Maintenance Tasks associated with your VISION:Inquiry System and
 its Components are ready to be generated.

 Please provide the JOB Control Statement information for the JCL:

 Your JOB Name    =>            Leave BLANK and default Job Names will be used
 JOB Stmt Info    => (ACCT)
 Additional Stmts:
 //*
 //*
 //*
 //*
 //*


Use ENTER  to Process the Information
Use END    to Goto the Previous Display Without Saving the Information
Use CANCEL to Exit the Dialog Without Saving the Entered Information
```

Figure 2-24 VISION:Inquiry Selection Panel (Generate JCL - Part 1)

The following is a description of the entries on the Generate JCL Part 1 panel.

Your JOB Name	Optional. This name is used to form a JOB Name for each JCL that is created by this Dialog Process. The name is suffixed with a Character (a number or letter) to form the complete JOB Name. You can leave the JOB Name blank, and the system will supply a default JOB Name that matches the member name of the created JCL.
JOB Stmt Info	Optional. This is the JOB Statement information; generally your accounting information.
Additional Stmts	Optional. There is room for five additional JCL statements in the JOB Statement group. **Note:** These follow the JOB Statement and precede all other JCL statements. If you blank out a line, it will not be part of the statements in the JOB group.

After you have keyed in the necessary information, press Enter to edit and save the information.

The JCL Part 2 panel displays next, showing you what your JOB Statement group looks like.

```
-------------------  VISION:Inquiry JCL Information  ------------------
OPTION ===>

          Generate JCL - Part 2 - Verify the JOB Control Statements

 The JCL and Jobs that will be created for the Installation, Customizing,
 and Maintenance Tasks associated with your VISION:Inquiry System and
 its Components are ready to be generated.

 Here are the JOB Control Statements that will start each JCL Member.

//*DEFAULT* JOB (ACCT)
//*
//*
//*
//*
//*




Use ENTER  to Continue the Dialog with the Next Display
Use END    to Goto the Previous Display
Use CANCEL to Exit the Dialog
```

Figure 2-25 VISION:Inquiry Selection Panel (Generate JCL - Part 2)

- If the information is correct, press Enter to continue the IP Dialog with the next panel.
- To change the information, use END (or PF3/F3) to go back to the JCL Part 1 Input Panel.

The JCL part 3 panel displays next.

```
-------------------  VISION:Inquiry JCL Information  ------------------
OPTION ===>

          Generate the JCL and Control Statements

   The JCL and Control Statements will now be generated in the dataset named

                      'II.PREP.CNTL'

                       by using the

                ISPF File Tailoring Facility.


       Press ENTER to Start the File Tailoring Process.


     * * * * * * * * * * * * * * * * * * * * * * * * * *  *
     * The process will take a few moments to complete. *
     * * * * * * * * * * * * * * * * * * * * * * * * * *  *

 Use ENTER  to Start the File Tailoring Process
 Use END    to Go to the Previous Display
 Use CANCEL to Exit the Dialog
```

Figure 2-26 (Generate JCL - Part 3)

This panel is just an information display that tells you the ISPF file tailoring process will start as soon as you press Enter. There is a note reminding you that this will take a few moments to complete, so be patient.

When the file tailoring is completed, all the prepared JCL and Control Statement Members have been added or replaced into the PDS data set (II.PREP.CNTL), ready for you to use in the actual installation, customization, and maintenance processes described in the following steps.

The final screen tells you that the you have completed the process and that the prepared members are in the named data set.

```
*********************************************************
***                                                   ***
***        THANK YOU. You have COMPLETED the          ***
***                                                   ***
***  VISION:Inquiry Installation Preparation Dialog.  ***
***                                                   ***
***   Now refer to the Installation Guide for the     ***
***   instructions on Running the prepared JOBS.      ***
***                                                   ***
***  The prepared items are in the data set named     ***
***                                                   ***
***  >  'II.PREP.CNTL'  <                             ***
***                                                   ***
*********************************************************


***
```

Figure 2-27 VISION:Inquiry Installation Preparation Dialog (Final Screen)

Now you are ready to perform the SMP/E setup and the basic VISION:Inquiry installation, described in the following steps.

SMP/E Setup and Basic Installation

The SMP/E relative files on the system tape and the job streams generated in the II.PREP.CNTL dataset are used for the installation.

At this point, you need to execute Steps 4 through 15 to establish and define the SMP/E CSI and zones, install the VISION:Inquiry base product, and install the optional features, DB2 and Journey.

The following members are generated in the II.PREP.CNTL dataset by completing the IP dialogs as explained in Step 3 - Complete the IP Dialog on page 2-36.

Member Name	Function of the Job within this Member
IQSMPE#1	Allocate the SMP/E CSI, the SMP/E work data sets, and all the associated data sets for the distribution and target libraries.
IQSMPE#2	Define the SMP/E global, distribution, and target zones.
IQSMPE#3	RECEIVE the MCS control statements and SYSMODs into the SMP/E global zone and work datasets for the VISION:Inquiry base product. The execution of this job requires the relative files on the system tape.
IQSMPE#4	APPLY the SYSMODs (modules and elements) of the VISION:Inquiry base product to the target libraries.
IQSMPE#5	ACCEPT the SYSMODs (modules and elements) of the VISION:Inquiry base product to the distribution libraries.
IQSMPE#6	Add DB2 library definition to the target and distribution zones. This member is only created if you have already installed the VISION:Inquiry base product and are installing the DB2 option of the product only.
IQSMPE#7	RECEIVE the MCS control statements and SYSMODs into the SMP/E global zone and work datasets for the DB2 option of the product. The execution of this job requires the relative files on the system tape. This member is only created if you selected the installation of the DB2 option in the IP dialog.
IQSMPE#8	APPLY the SYSMODs (modules and elements) of the DB2 option to the target libraries. This member is only created if you selected the installation of the DB2 option in the IP dialog.

IQSMPE#9	ACCEPT the SYSMODs (modules and elements) of the DB2 option to the distribution libraries. This member is only created if you selected the installation of the DB2 option in the IP dialog.
IQUJRN#1	RECEIVE a USERMOD SYSMOD for the Journey feature of the product into the SMP/E global zone and work datasets. This member is only created if you selected the installation of the Journey feature in the IP dialog.
IQUJRN#2	APPLY the USERMOD of the Journey feature to the target libraries. This member is only created if you selected the installation of the Journey feature in the IP dialog.
IQUJRN#3	ACCEPT the USERMOD of the Journey feature to the distribution libraries. This member is only created if you selected the installation of the Journey feature in the IP dialog.
IQUSYS#1	RECEIVE a USERMOD SYSMOD for the DB2 option and/or the Journey feature of the product into the SMP/E global zone and work datasets. This member is only created if you selected the installation of the DB2 option and/or the Journey feature in the IP dialog.
IQUSYS#2	APPLY the USERMOD of the DB2 option and/or the Journey feature to the target libraries. This member is only created if you selected the installation of the DB2 option and/or the Journey feature in the IP dialog.
IQUSYS#3	ACCEPT the USERMOD of the DB2 option and/or Journey feature to the distribution libraries. This member is only created if you selected the installation of the DB2 option and/or the Journey feature in the IP dialog.
IQPTF#1	RECEIVE and APPLY the latest PTFS for VISION:Inquiry into the SMP/E global zone and to the target libraries. This member is only created if the II.PREP.CNTL(PTFS) member contains any PTF sent with the system tape.
IQPTF#2	ACCEPT the latest PTFS for VISION:Inquiry to the distribution libraries. This member is only created if the II.PREP.CNTL(PTFS) member contains any PTF sent with the system tape.

The following members are additional JCLs in the II.PREP.CNTL dataset that are generated as a model for your reference.

Member Name	Function of the Job within this Member
IQSMPE#A	RECEIVE a PTF, APAR, or USERMOD into the Global Zone/Datasets.
IQSMPE#B	APPLY a PTF, APAR, or USERMOD to the target libraries.
IQSMPE#C	ACCEPT a PTF, APAR, or USERMOD to the distribution libraries.
IQSMPE#D	RESTORE (remove) a PTF, APAR, or USERMOD from the target libraries.
IQSMPE#E	REJECT (remove) a PTF, APAR, or USERMOD from the global zone/datasets.

Step 4 – Allocate Datasets

Note: If you are only installing the DB2 option and/or the Journey feature of VISION:Inquiry, skip to Step 8 – ADD DB2 Library Definition to the Target and Distribution Zones on page 2-62. You must have already installed the VISION:Inquiry base product for this case.

In Step 4, you allocate all the data sets needed by SMP/E to manage, control, and maintain VISION:Inquiry and its components. This includes the SMP/E CSI, the associated work data sets, and the distribution and target libraries.

Using the JCL in member IQSMPE#1 in the II.PREP.CNTL data set, run the job to allocate the data sets.

Any existing or previously defined data sets with the same names are deleted before the new data sets are allocated.

The following data sets are allocated in this step. They are shown with the default high-level qualifier. Check the JCL in member IQSMPE#1 for your high-level qualifier values, if they differ from the default.

II.CSI	II.TCUYCLST	II.DCUYCLST
II.CSI.DATA	II.TCUYCNTL	II.DCUYCNTL
II.CSI.INDEX	II.TCUYMAC	II.DCUYMAC
II.SMPLOG (Optional)	II.TCUYMLIB	II.DCUYMLIB
II.SMPLOGA (Optional)	II.TCUYPGM	II.DCUYOBJ

II.SMPLTS	II.TCUYPLIB	II.DCUYPGM
II.SMPMTS	II.TCUYSLIB	II.DCUYPLIB
II.SMPPTS	II.TCUYSRC	II.DCUYSLIB
II.SMPSCDS		II.DCUYSRC
II.SMPSTS		

Notes:

1. The CSI and SMPPTS datasets are not allocated in this step if you have chosen not to use the new CSI dataset in the IP dialogs. The existing datasets are used instead.
2. You can find the description of the target and distribution libraries and the list and description of the members in the source and control libraries in Appendix B, "VISION:Inquiry Target and Distribution Libraries".

Step 5 – Define the Global, Distribution, and Target Zones in the SMP/E CSI

In Step 5, you define the VISION:Inquiry global, distribution, and target zones into the CSI. This is the information needed by SMP/E to manage, control, and maintain VISION:Inquiry.

Using the JCL in member IQSMPE#2 in the II.PREP.CNTL dataset, run the job to define the VISION:Inquiry global, distribution, and target zones into the CSI.

Step 6 – RECEIVE the MCS and SYSMODS into the Global Zone

In Step 6, you RECEIVE the Modification Control Statements (MCS) and VISION:Inquiry software system elements (SYSMODS) into the global zone and SMP/E datasets.

Using the JCL in member IQSMPE#3 in the II.PREP.CNTL dataset, run the job to RECEIVE VISION:Inquiry into the global zone and SMP/E data sets. The execution of this step requires the SMP/E relative files on the VISION:Inquiry system tape.

Step 7 – APPLY the VISION:Inquiry Elements (SYSMODS) to the Target Libraries

In Step 7, you APPLY the VISION:Inquiry software system elements (SYSMODS) into the target libraries.

Using the JCL in member IQSMPE#4 in the II.PREP.CNTL dataset, run the job to APPLY VISION:Inquiry into the target libraries. This loads the target libraries with the VISION:Inquiry load modules and elements. Skip to Step 9 after completing this step.

Step 8 – ADD DB2 Library Definition to the Target and Distribution Zones

Note: This step is required if you are installing the DB2 option alone. If you do not have the DB2 option go to Step 11. If you are installing the DB2 option along with the VISION:Inquiry base product, go to Step 9.

In Step 8, you add the DB2 load library definition to the target and distribution zones.

Using the JCL in member IQSMPE#6 in the II.PREP.CNTL dataset, run the job to add the definition.

Step 9 – RECEIVE the MCS and SYSMODS for the DB2 option to the Global Zone

Note: If you are not installing the DB2 option, skip to Step 11.

In Step 9, you RECEIVE the Modification Control Statements (MCS) and elements (SYSMODS) of the DB2 option of VISION:Inquiry into the global zone and SMP/E datasets.

Using the JCL in member IQSMPE#7 in the II.PREP.CNTL dataset, run the job to RECEIVE the DB2 option of VISION:Inquiry into the global zone and SMP/E data sets. This step requires the SMP/E relative files on the VISION:Inquiry system tape.

Step 10 – APPLY the Elements (SYSMODS) of the DB2 Option to the Target Libraries

In Step 10, you APPLY the elements (SYSMODS) of the DB2 option of VISION:Inquiry into the target libraries.

Using the JCL in member IQSMPE#8 in the II.PREP.CNTL dataset, run the job to APPLY the DB2 option of VISION:Inquiry into the target libraries. This adds the DB2 option to the VISION:Inquiry target libraries.

Step 11 – RECEIVE a USERMOD for the DB2 option and/or the Journey feature to the Global Zone

Note: If you are installing neither the DB2 option nor the Journey feature, skip to Step 15.

In Step 11, you RECEIVE a USERMOD into the global zone and SMP/E datasets. This USERMOD is required for the installation of the DB2 option and/or the Journey features and adds the necessary parameters such as DB2 plan name and subsystem ID used in your system to the VISION:Inquiry Identification module, IXSIDENT.

Using the JCL in member IQUSYS#1 in the II.PREP.CNTL dataset, run the job to RECEIVE the USERMOD into the global zone and SMP/E data sets.

Note: The USERMOD member IQUSYS#1 is created every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQSYS01. If you are going to process this USERMOD more than once, you have to edit the member IQUSYS#1 and increase the sysmod_id suffix by 1 and add the appropriate SUP option to the ++VER MCS statement.

The following example shows part of the generated USERMOD member, IQUSYS#1, with the changes that need to be made (shown in bold letters) to process it for the second time and to override the first invocation of the module.

```
                .
                .
                .
//SMPPTFIN  DD *
++USERMOD(IQSYS02)
  /* SYSTEM IDENTIFICATION MODULE USERMOD.                  */
  .
++VER(Z038)
  FMID(CCUY650)
  SUP(IQSYS01)
  .
++SRC(IXSIDENT) DISTLIB(INQSRCD)
                .
                .
                .
/*
//SMPCNTL   DD *
  SET BDY(GLOBAL).
  RECEIVE SYSMODS SELECT(IQSYS02) LIST.
/*
```

Figure 2-28 Example: Part of the Generated Usermod Member IQUSYS#1

Step 12 – APPLY the USERMOD for the DB2 option and/or the Journey feature to the Target Libraries

In Step 12, you APPLY the USERMOD into the target libraries.

Using the JCL in member IQUSYS#2 in the II.PREP.CNTL dataset, run the job to APPLY the USERMOD into the target libraries. This step re-links the VISION:Inquiry load modules to include the modified Identification module, IXSIDENT, for the DB2 option and/or the Journey feature.

Note: The member IQUSYS#2 is created every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQSYS01. If you are going to process this USERMOD more than once, you have to edit the member IQUSYS#2 and change the sysmod_id in the APPLY command according to the changes made to the sysmod_id in the member IQUSYS#1.

Step 13 – RECEIVE a USERMOD for the Journey feature to the Global Zone

Note: If you are not installing the Journey feature or have not changed the default names for the Journey load modules in the Installation Preparation Dialog, skip to Step 15.

In Step 13, you RECEIVE the second USERMOD for the Journey feature into the global zone and SMP/E datasets. This USERMOD is required for the installation of the Journey feature and incorporates the Journey load module names to the module, DJCSECT.

Using the JCL in member IQUJRN#1 in the II.PREP.CNTL dataset, run the job to RECEIVE the USERMOD into the global zone and SMP/E data sets.

Note: The USERMOD member IQUJRN#1 is created every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQJRN01. If you are going to process this Usermod more than once, you have to edit the member IQUJRN#1 and increase the sysmod_id suffix by 1 and add the appropriate SUP option to the ++VER MCS statement.

Example: The following example shows part of the generated USERMOD member, IQUJRN#1, with the changes that should be made (shown in bold letters) to process it for the second time and to override the first invocation of the module.

```
                .
                .
                .
//SMPPTFIN  DD *
++USERMOD(IQJRN02)
  /* VISION:JOURNEY FEATURE USERMOD.                    */
  .
++VER(Z038)
  FMID(CCUY650)
  SUP(IQJRN01)
  .
++SRC(DJCSECT) DISTLIB(INQSRCD)
                .
                .
                .
```

Figure 2-29 Example: Part of the Generated Usermod Member IQUJRN#1

Step 14 – APPLY the USERMOD for the Journey feature to the Target Libraries

In Step 14, you APPLY the USERMOD into the target libraries.

Using the JCL in member IQUJRN#2 in the II.PREP.CNTL dataset, run the job to APPLY the USERMOD into the target libraries. This step re-links the Journey load modules to include the modified DJCSECT module for the Journey feature.

Note: The member IQUJRN#2 is created and replaces the old one every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQJRN01. If you are going to process this USERMOD more than once, you have to edit the member IQUJRN#2 and change the sysmod_id in the APPLY command according to the changes made to the sysmod_id in the member IQUJRN#1.

Step 15 – RECEIVE and APPLY the Latest PTF SYSMODS into the Global Zone and Target Libraries

Note: Prior to VISION:Inquiry version 6.5, PTFs were known as SMs or GSMs (General System Modifications). These types of patches apply to all systems and correct or enhance the software system.

The members, IQPTF#1 and IQPTF#2, in the II.PREP.CNTL datasets are generated if one or more PTFs are sent with the system tape in the II.PREP.CNTL(PTFS) member.

If the member IQPTF#1 is created continue with this step; otherwise, skip to Step 16.

Using the JCL in member IQPTF#1 (if it is created) in the II.PREP.CNTL data set, run the job to RECEIVE and APPLY the VISION:Inquiry software system PTF(s).

Management of the Target Libraries

After you have completed Step 15, the basic SMP/E installation of the VISION:Inquiry system into the target libraries is complete.

Since in the following steps the members in the target libraries can be modified, there are two basic approaches you can take regarding the management of the target libraries. The approach you choose depends on how you want to manage the customized elements and your Target Libraries. As a basic rule, you should save the original versions of any elements you change, and you should have a step-by-step procedure describing how and what you customize (so that you can repeat the process, if needed).

The two basic approaches to the management of your customizing activities are:

1. This approach is straight-forward and requires the minimum amount of management intervention. All customizing and tailoring is done directly into the Target Libraries. Any future PTFs also go into the same Target Libraries

via the SMP/E APPLY process. The Target Libraries (or copies) are then used in production. This is the default approach, and all the JCL and associated control statements in the VISION:Inquiry CNTL dataset, II.TCUYCNTL have been built for this method. Of course, the changed elements (source, panels, clist, and so on) require saving and you should document the various changes in case they need to be repeated.

2. This approach requires more attention to details and procedures regarding the management of your customizing activities.

   First, copy the Target Libraries. These copies are where the customizing and tailoring is applied. As you do the customizing, tailoring and setups, you keep step-by-step details of what was done so it can be repeated. Whenever a PTF is put into the Target and Distribution Libraries via the SMP/E APPLY, you rebuild your copied Libraries and repeat the customization. In most cases, only the Load Library is changed via PTFs or APARs.

Interface with IMS (DL/I)

In order for any program to access data managed by IMS (DL/I), the following conditions apply:

- It must be run using the DLIBATCH JCL procedure, run under IMS BMP region, or run under IMS MPP region
- It associates, with the task, a PSB (Program Specification Block) that includes a PCB (Program Communications Block), for each IMS database to be accessed.

When the system database utility programs (IIINIT, IXUIQRY, IXULOAD, IXUSQRY, IXUSTAT, and IXUUNLD) are run under control of IMS or AQF running under IMS, they use, for the system database, the IMS (DL/I) database represented by the first database PCB in the PSB.

When native VISION:Inquiry uses an IMS (DL/I) system database, it determines the PCB (and therefore the IMS (DL/I) database) to be used as the first database PCB in the PSB with a DBD name beginning IXXDB, if any; otherwise, the last database PCB in the PSB is used.

It is possible for one copy of VISION:Inquiry to access different IMS (DL/I) system databases merely by changing the PSB used.

Interface with DB2

In order for any program to process data managed by DB2, a connection must be established between DB2 and the program task. The types of connection VISION:Inquiry can use are IMS Attach and CALL Attach.

- IMS Attach is used in MPP, BMP, and DL/I Batch or TSO regions. To use IMS Attach, the connection is established elsewhere and the programs use the transaction monitor's attachment facility. To access a DB2 table as the system

database, VISION:Inquiry uses the authorization ID and table name supplied through the identification module that is installed through the SMP/E USERMOD in the installation process.

- CALL Attach is used in Batch, BMP, and TSO regions for a DB2 only system. The DB2 connection specifications such as plan name and DB2 subsystem id is supplied through the identification module. To access a DB2 table as the system database, VISION:Inquiry uses the authorization ID and table name supplied through the identification module. This identification module is installed through the SMP/E USERMOD in the installation process.

Step 16 – Post-Installation

In this step, you need to edit, possibly make changes, and then run some post-installation jobs to prepare and define the other components of the system for operation. Alternatively, this step can be done using the TSO/ISPF dialog discussed in Appendix A, "Post-Installation Dialog". By using Appendix A, you go through a series of panels and fill the information that is used to generate the jobs required to complete this step.

The post-installation step is done outside of SMP/E control and affects independent members and modules.

All the references to the VISION:Inquiry libraries in this step are to the target libraries that could be a copy made from the target libraries.

Generating IMS Control Blocks

VISION:Inquiry requires that certain IMS control blocks be generated for its use. The source for each control block resides in the source library II.TCUYSRC.

Listed below are the source library members required for the generation phase, and their associated control blocks. Edit these members and make any modifications based upon the names specified on the installation worksheet (Installation Worksheets on page 2-1).

II.TCUYSRC (IXXDB)

Source library member II.TCUYSRC (IXXDB) contains the DBD for the IMS (DL/I) system database. It contains the following source statements:

```
DBD     NAME=IXXDB,ACCESS=(HDAM,VSAM),RMNAME=(IXXRMODL,1)
DATASET DD1=IXXDB,DEVICE=3390,BLOCK=2046
SEGM    NAME=IXXROOT,BYTES=2040
FIELD   NAME=(IXXKEY,SEQ,U),START=1,BYTES=2,TYPE=C
DBDGEN
FINISH
END
```

Figure 2-30 DBD for the IMS (DL/I) System Database

Notes:

- The number of root anchor points can be modified in the DBD through the RMNAME=(IXXRMODL,1). If this is modified, the SIZE= parameter must be changed accordingly. It is also recommended that PTR=NOTWIN be used.
- The DBD names are the ddnames that must correspond with the names specified on the installation worksheet.
- If you use ISAM/OSAM databases instead of VSAM, it must be specified in the ACCESS parameter of the DBD statement.
- The device type specified in the "DEVICE=" parameter should correspond to your installation DASD type.

II.TCUYSRC (IIDBDDM)

Source library member II.TCUYSRC (IIDBDDM) contains the DBD for the IMS (DL/I) test database, PLANT. It contains the following source statements:

```
DBD     NAME=IIDBDDM,ACCESS=(HISAM,VSAM)
DATASET DD1=IIDBDDM,DEVICE=3390,OVFLW=IIDBDDMO,                    X
         RECORD=(80,80),BLOCK=(10,10)
SEGM    NAME=PLANT,PARENT=0,BYTES=40
FIELD   NAME=(PLANTKEY,SEQ,U),START=1,BYTES=5,TYPE=C
SEGM    NAME=PROD,PARENT=PLANT,BYTES=35
FIELD   NAME=(PRODKEY,SEQ,U),START=1,BYTES=2,TYPE=C
SEGM    NAME=EMP,PARENT=PLANT,BYTES=31
FIELD   NAME=(EMPKEY,SEQ,U),START=1,BYTES=5,TYPE=C
SEGM    NAME=SAL,PARENT=EMP,BYTES=11
FIELD   NAME=(SALKEY,SEQ,U),START=1,BYTES=2,TYPE=C
FIELD   NAME=SALYTD,START=3,BYTES=5,TYPE=C
SEGM    NAME=ED,PARENT=EMP,BYTES=14
FIELD   NAME=(EDKEY,SEQ,U),START=1,BYTES=2,TYPE=C
SEGM    NAME=SUB,PARENT=ED,BYTES=12
FIELD   NAME=(SUBKEY,SEQ,U),START=3,BYTES=10,TYPE=C
DBDGEN
FINISH
END
```

Figure 2-31 DBD for the IMS (DL/I) Test Database, PLANT

II.TCUYSRC (IIDBDDS)

Source library member II.TCUYSRC (IIDBDDS) contains the DBD for the IMS (DL/I) test database, SKILL. It contains the following source statements:

```
DBD     NAME=IIDBDDS,ACCESS=(HISAM,VSAM)
DATASET DD1=IIDBDDS,DEVICE=3390,OVFLW=IIDBDDSO,                    X
         RECORD=(80,80),BLOCK=(10,10)
SEGM    NAME=SKILL,PARENT=0,BYTES=23
FIELD   NAME=(SKILLKEY,SEQ,U),START=1,BYTES=2,TYPE=C
SEGM    NAME=PLANT,PARENT=SKILL,BYTES=4
FIELD   NAME=(PLANTKEY,SEQ,U),START=1,BYTES=4,TYPE=C
SEGM    NAME=EMP,PARENT=PLANT,BYTES=5
FIELD   NAME=(EMPKEY,SEQ,U),START=1,BYTES=5,TYPE=C
DBDGEN
FINISH
END
```

Figure 2-32 DBD for the IMS (DL/I) Test Database, SKILL

II.TCUYSRC (IDXFTS)

Source library member II.TCUYSRC (IDXFTS) contains the DBD for the VISION:Journey download database and the Text Editor IMS (DL/I) work database. The DBD contains the following source statements:

```
*********************************************************************
*                                                                   *
*    DBD USED BY THE VISION:JOURNEY/FTS FEATURE FOR                 *
*    IMS DOWNLOAD DATABASE AND BY THE TEXT EDITOR FACILITY FOR      *
*    IMS WORK DATABASE                                              *
*                                                                   *
*********************************************************************
FTS      TITLE 'VISION:JOURNEY/FTS AND TEXT EDITOR DBD GENERATION'   *
         DBD   NAME=IDXFTS,ACCESS=HDAM,RMNAME=(DFSHDC40,1,64)
         DATASET DD1=FTSROOT,DEVICE=3390
         SEGM  NAME=FTSROOT,BYTES=(2400,54)
         FIELD NAME=(ROOTKEY,SEQ,U),BYTES=10,START=3,TYPE=X
         FIELD NAME=TERMNAME,BYTES=8,START=3,TYPE=C
         FIELD NAME=SUBSEQ,BYTES=2,START=11,TYPE=X
         FIELD NAME=APPLNAME,BYTES=8,START=13,TYPE=C
         FIELD NAME=DIRNAME,BYTES=8,START=21,TYPE=C
         FIELD NAME=USERID,BYTES=8,START=29,TYPE=C
         FIELD NAME=RECCOUNT,BYTES=4,START=37,TYPE=X
         FIELD NAME=CREDATE,BYTES=4,START=41,TYPE=P
         FIELD NAME=CRETIME,BYTES=4,START=45,TYPE=P
         FIELD NAME=CRESTAT,BYTES=1,START=49,TYPE=C
         FIELD NAME=CREENV,BYTES=3,START=50,TYPE=C
         FIELD NAME=CON#LEN,BYTES=2,START=53,TYPE=X
         FIELD NAME=CONSTANT,BYTES=255,START=55,TYPE=X
         SPACE 2
         DATASET DD1=FTSDESC,DEVICE=3390
         SEGM  NAME=FTSDESC,BYTES=(82,18),PARENT=FTSROOT
         FIELD NAME=(FIELDSEQ,SEQ,U),BYTES=2,START=5,TYPE=X
         FIELD NAME=STATUSD,BYTES=2,START=3,TYPE=X
         FIELD NAME=FIELDLOC,BYTES=2,START=7,TYPE=X
         FIELD NAME=FIELDLEN,BYTES=2,START=9,TYPE=X
         FIELD NAME=EXLEN,BYTES=2,START=11,TYPE=X
         FIELD NAME=FIELDTYP,BYTES=1,START=13,TYPE=C
         FIELD NAME=FLDSCALE,BYTES=2,START=15,TYPE=X
         FIELD NAME=NAME#LEN,BYTES=2,START=17,TYPE=X
         SPACE 2
         DATASET DD1=FTSRECS,DEVICE=3390
         SEGM  NAME=FTSRECS,BYTES=(8010,10),PARENT=FTSROOT
         FIELD NAME=(RECORDSQ,SEQ,U),BYTES=4,START=5,TYPE=X
         FIELD NAME=STATUSR,BYTES=2,START=3,TYPE=X
         FIELD NAME=RECLEN,BYTES=2,START=9,TYPE=X
         SPACE 2
         DBDGEN
         FINISH
         END
```

Figure 2-33 DBD for the VISION:Journey Download Database and the Text Editor IMS (DL/I) Work Database

Notes:

- In this sample, each segment type of the database is defined in a separate data set because of different characteristics of the segment; however, if you wish, it can be defined as a single data set.

The database uses one of the IMS supplied randomizing modules, DFSHDC40, which should be in IMSVS.RESLIB. The device type specified in the `DEVICE=' parameter should correspond to your installation type.

- The Text Editor work database type can be either IMS or DB2. The above DBD is only required if you have VISION:Journey in your system or your Text Editor work database type is IMS.
- The VISION:Journey download database and the Text Editor work database (if its type is IMS) can be shared. If you want to use different database for the two options, two DBDs with different names must be generated.

II.TCUYSRC (IXXAQF)

Source library member II.TCUYSRC (IXXAQF) contains the DBD for the AQF work database. It contains the following source statements:

```
DBD   NAME=IXXAQF,                                    X
      ACCESS=(HIDAM,VSAM)
DATASET DD1=IXXAQF,                                   X
      DEVICE=3390,                                    X
      BLOCK=(4096),                                   X
      SCAN=0
SEGM NAME=QDREC01,                                    X
      PARENT=0,                                       X
      BYTES=256,                                      X
      PTR=TB
LCHILD NAME=(IXSEG,IXXAQFIX),                         X
      PTR=INDX,                                       X
      RULES=LAST
FIELD NAME=(QREC0101,SEQ,U),                          X
      BYTES=8,                                        X
      START=7,                                        X
      TYPE=C
SEGM NAME=QDREC00,                                    X
      PARENT=QDREC01,                                 X
      BYTES=(1798,182),                               X
        PTR=TB
FIELD NAME=(QREC0201,SEQ,U),                          X
      BYTES=2,                                        X
      START=3,                                        X
      TYPE=X
SEGM NAME=QDREC02,                                    X
      PARENT=QDREC01,                                 X
      BYTES=(912,20),                                 X
      PTR=TB
FIELD NAME=(QREC0202,SEQ,U),                          X
      BYTES=2,                                        X
      START=3,                                        X
      TYPE=X
SEGM NAME=QDREC03,                                    X
      PARENT=QDREC02,                                 X
      BYTES=(3460,460),                               X
      PTR=TB
FIELD NAME=(QDREC0301,SEQ,U),                         X
      BYTES=2,                                        X
      START=3,                                        X
      TYPE=X
SEGM NAME=QDREC04,                                    X
```

Figure 2-34 DBD for the AQF Work Database (Page 1 of 2)

```
              PARENT=QDREC02,                                  X
              BYTES=(3484,124),                                      X
              PTR=TB
       FIELD NAME=(QREC0302,SEQ,U),                                  X
              BYTES=2,                                               X
              START=3,                                               X
              TYPE=X
       SEGM NAME=QDREC05,                                            X
              PARENT=QDREC02,                                        X
              BYTES=(2536,536),                                      X
              PTR=TB
       FIELD NAME=(QREC0303,SEQ,U),                                  X
              BYTES=2,                                               X
              START=3,                                               X
              TYPE=X
       DBDGEN
       FINISH
       END
```

Figure 2-34 DBD for the AQF Work Database (Page 2 of 2)

Note: The device type specified in the DEVICE= parameter should correspond to your installation DASD type.

II.TCUYSRC (IXXAQFIX)

Source library member II.TCUYSRC (IXXAQFIX) contains the DBD for the AQF work database index. It contains the following source statements:

```
DBD    NAME=IXXAQFIX,                                                 X
       ACCESS=(INDEX,VSAM)
DATASET DD1=IXXAQFIX,                                                 X
       DEVICE=3390
SEGM   NAME=IXSEG,                                                    X
       BYTES=8
LCHILD NAME=(QDREC01,IXXAQF),                                         X
       INDEX=QREC0101
FIELD  NAME=(IXRECKEY,SEQ,U),                                         X
       BYTES=8,                                                       X
       START=1
DBDGEN
FINISH
END
```

Figure 2-35 DBD for the AQF Work Database Index

II.TCUYSRC (IIPSB01)

Source library member II.TCUYSRC (IIPSB01) contains the PSB to initialize the system database.

```
*************************************************************************
*                                                                       *
*  IIPSB01 - THIS PSB IS USED BY IIINIT FOR SYSTEM DATABASE INITIALIZATION *
*                                                                       *
*************************************************************************
 PCB      NAME=IXXDB,TYPE=DB,PROCOPT=L,KEYLEN=2
 SENSEG   NAME=IXXROOT
 PSBGEN   PSBNAME=IIPSB01,LANG=PL/I,CMPAT=YES
 END
```

Figure 2-36 PSB to Initialize the System Database

Note: CMPAT=YES is required.

II.TCUYSRC (IIPSB02)

Source library member II.TCUYSRC (IIPSB02) contains the PSB to maintain the system database.

```
*********************************************************************
*  IIPSB02 - THIS PSB IS USED BY IIGEN, IXUUNLD, IXULOAD, IXUSQRY, *
*            IXUIQRY, AND IXUSTAT FOR SYSTEM DATABASE MAINTENANCE  *
*********************************************************************
PCB     NAME=IXXDB,TYPE=DB,PROCOPT=GR,KEYLEN=2
 SENSEG  NAME=IXXROOT
 PSBGEN  PSBNAME=IIPSB02,LANG=PL/I,CMPAT=YES
 END
```

Figure 2-37 PSB to Maintain the System Database

II.TCUYSRC (IIPSB03)

Source library member II.TCUYSRC (IIPSB03) contains the PSB to load and test the IMS (DL/I) test databases, PLANT and SKILL.

```
*********************************************************************
*  IIPSB03 - THIS PSB IS USED BY IIDEMO FOR SAMPLE DATABASE         *
*            LOADING                                                *
*********************************************************************
 PCB     NAME=IIDBDDM,TYPE=DB,PROCOPT=LS,KEYLEN=22
 SENSEG  NAME=PLANT
 SENSEG  NAME=PROD,PARENT=PLANT
 SENSEG  NAME=EMP,PARENT=PLANT
 SENSEG  NAME=SAL,PARENT=EMP
 SENSEG  NAME=ED,PARENT=EMP
 SENSEG  NAME=SUB,PARENT=ED
 PCB     NAME=IIDBDDS,TYPE=DB,PROCOPT=LS,KEYLEN=11
 SENSEG  NAME=SKILL
 SENSEG  NAME=PLANT,PARENT=SKILL
 SENSEG  NAME=EMP,PARENT=PLANT
 PSBGEN  NAME=IIPSB03,LANG=PL/I
 END
```

Figure 2-38 PSB to Load and Test the PLANT and SKILL Test Databases

II.TCUYSRC (AQFPSBIN)

Source library member II.TCUYSRC (AQFPSBIN) contains the PSB used to initialize the AQF work database.

```
*********************************************************************
*        AQFPSBIN - THIS PSB IS USED FOR INITIALIZING THE AQF       *
*                   WORK DATABASE BY II.TCUYCNTL(AQFINIT) MEMBER    *
*********************************************************************
  PCB      NAME=IXXAQF,TYPE=DB,PROCOPT=L,KEYLEN=12
  SENSEG   NAME=QDREC01
  SENSEG   NAME=QDREC00,PARENT=QDREC01
  SENSEG   NAME=QDREC02,PARENT=QDREC01
  SENSEG   NAME=QDREC03,PARENT=QDREC02
  SENSEG   NAME=QDREC04,PARENT=QDREC02
  SENSEG   NAME=QDREC05,PARENT=QDREC02
  PSBGEN   PSBNAME=AQFPSBIN,LANG=PL/I
  END
```

Figure 2-39 PSB to Initialize the AQF Work Database

II.TCUYSRC (FTSPSBL)

Source library member II.TCUYSRC (FTSPSBL) contains the PSB used to initialize the VISION:Journey download database and the Text Editor IMS (DL/I) work database.

```
*********************************************************************
*                                                                   *
*  FTSPSBL - PSB USED BY IFUINIT TO INITIALIZE THE DOWNLOAD DATABASE  *
*            FOR VISION:Journey/FTS FEATURE AND THE WORK DATABASE     *
*            FOR THE TEXT EDITOR FACILITY                           *
*                                                                   *
*********************************************************************
 PCB    TYPE=DB,NAME=IDXFTS,KEYLEN=16,PROCOPT=L
 SENSEG NAME=FTSROOT,PARENT=0
 SENSEG NAME=FTSDESC,PARENT=FTSROOT
 SENSEG NAME=FTSRECS,PARENT=FTSROOT
 PSBGEN PSBNAME=FTSPSBL,LANG=PL/I
 END
```

Figure 2-40 PSB to Initialize the VISION:Journey Download Database and the Text Editor IMS (DL/I) Work Database

Note: If different IMS (DL/I) work/download databases are used for the Text Editor and VISION:Journey, different PSBs referencing appropriate DBDs must be generated.

II.TCUYSRC (FTSPSBC)

Source library member II.TCUYSRC (FTSPSBC) contains the PSB used to maintain the VISION:Journey download database and the Text Editor IMS (DL/I) work database using the IFUCLEN cleanup utility.

```
*********************************************************************
*                                                                   *
*  FTSPSBC - PSB USED BY IFUCLEN TO CLEANUP THE DOWNLOAD DATABASE   *
*            FOR VISION:Journey/FTS FEATURE AND THE WORK DATABASE   *
*            FOR THE TEXT EDITOR FACILITY                           *
*                                                                   *
*********************************************************************

 PCB    TYPE=DB,NAME=IDXFTS,KEYLEN=16,PROCOPT=A
 SENSEG NAME=FTSROOT,PARENT=0
 SENSEG NAME=FTSDESC,PARENT=FTSROOT
 SENSEG NAME=FTSRECS,PARENT=FTSROOT
 PSBGEN PSBNAME=FTSPSBC,LANG=PL/I,CMPAT=YES
 END
```

Figure 2-41 PSB to Maintain VISION:Journey Download Database and the Text Editor IMS (DL/I) Work Database

II.TCUYSRC (IIPSB)

Source library member II.TCUYSRC (IIPSB) contains the inquiry PSB for accessing the IMS (DL/I) system database and the IMS (DL/I) test databases.

It must be modified to access IMS (DL/I) user databases, or if the system database is not an IMS (DL/I) database. IIPSB contains the following source statements:

```
*********************************************************************
*                                                                   *
*      II      - THIS PSB IS USED BY II, IIBMP, IIBATCH, AND IITSO  *
*                FOR SYSTEM DATABASE AND SAMPLE DATABASE ACCESS,    *
*                AND FOR VISION:Journey/FTS FEATURE IMS             *
*                DOWNLOAD DATABASE                                  *
*                ADDITIONAL PCB'S CAN BE ADDED TO ALLOW ACCESS      *
*                TO OTHER DATABASES                                 *
*********************************************************************
 PCB       TYPE=TP,MODIFY=YES
 PCB       NAME=IXXDB,TYPE=DB,PROCOPT=GR,KEYLEN=2
 SENSEG    NAME=IXXROOT
 PCB         NAME=IIDBDDM,TYPE=DB,PROCOPT=GOP,KEYLEN=22,POS=M
 SENSEG      NAME=PLANT
 SENSEG      NAME=PROD,PARENT=PLANT
 SENSEG      NAME=EMP,PARENT=EMP
 SENSEG      NAME=SAL,PARENT=EMP
 SENSEG      NAME=ED,PARENT=EMP
 SENSEG      NAME=SUB,PARENT=ED
 PCB         NAME=IIDBDDS,TYPE=DB,PROCOPT=GOP,KEYLEN=11,POS=M
 SENSEG      NAME=SKILL
 SENSEG      NAME=PLANT,PARENT=SKILL
 SENSEG      NAME=EMP,PARENT=PLANT
*
*       THE FOLLOWING PCB IS USED FOR VISION:Journey/FTS FEATURE.
*       IT MUST BE DELETED FROM YOUR PSB IF YOU DO NOT HAVE
*       VISION:Journey/FTS FEATURE INSTALLED IN YOUR SYSTEM.
*
 PCB         NAME=IDXFTS,TYPE=DB,PROCOPT=A,KEYLEN=16,POS=M
 SENSEG      NAME=FTSROOT
 SENSEG      NAME=FTSDESC,PARENT=FTSROOT
 SENSEG      NAME=FTSRECS,PARENT=FTSROOT
 PSBGEN      PSBNAME=II,LANG=ASSEM,CMPAT=YES
 END
```

Figure 2-42 PSB to Access the IMS (DL/I) System Database and IMS (DL/I) Test Databases

Notes:

The following guidelines must be considered when modifying the online PSB:

- There is no restriction on the number of PSBs that are created.
- The first PCB must be an alternate PCB that specifies MODIFY=YES. This PCB is used by the online version of VISION:Inquiry for alternate message routing.
- When the system database DBD name starts with the name IXXDB, the PCB for this database may follow the alternate PCB. If the DBD name is anything else, the system database PCB must be the last PCB in the PSB.

- When the VISION:Journey download database DBD name starts with the name IDXFTS, the PCB for this database may be anywhere in the VISION:Inquiry PSB following the alternate PCB. If the DBD name is anything else, it should be either:
  - The next to last PCB if the last PCB is the system database PCB
  - The last PCB.
- All user database PCBs may follow either the system database PCB or the alternate PCB; this depends on the name of the system database as specified above.
- All user database PCBs must specify PROCOPT=GOP and POS=M.
- If your VISION:Inquiry transactions are to be supported by parallel processing (running in both the BMP and MPP regions or running in two MPP regions), MAXQ=(some number greater than 2) should be specified on the PSBGEN statement, and APAR051 in the II.PREP.CNTL library must be applied to your system using SMP/E.
- LANG=ASSEM and CMPAT=YES must be specified on the PSBGEN statement.

II.TCUYSRC (TEXTPSB)

Source library member II.TCUYSRC (TEXTPSB) contains the PSB used by Text Editor online system to edit the stored inquiries. The name of the PSB should be the same name as Text Editor load module name created during SMP/E installation (the default is INQEDIT).

Note: In this PSB, the Text Editor work database PCB is only required if its type is IMS.

TEXTPSB contains the following source statements.

```
*********************************************************************
*                                                                   *
*    INQEDIT - THIS PSB IS USED BY INQEDIT FOR TEXT EDITOR FACILITY  *
*                                                                   *
*    NOTE: DELETE THE PCB FOR IDXFTS BELOW IF YOUR TEXT EDITOR       *
*          WORK DATABASE TYPE IS DB2.                               *
*                                                                   *
*********************************************************************
PCB    TYPE=TP,MODIFY=YES
PCB    TYPE=DB,DBDNAME=IDXFTS,PROCOPT=AP,KEYLEN=14,POS=S
SENSEG NAME=FTSROOT,PARENT=0
SENSEG NAME=FTSRECS,PARENT=FTSROOT
PSBGEN PSBNAME=INQEDIT,LANG=PL/I,CMPAT=YES,IOASIZE=10492
END
```

Figure 2-43 PSB to Use Text Editor

II.TCUYSRC (AQFPSB)

Source library member II.TCUYSRC (AQFPSB) contains the PSB used by AQF online system to generate free-form queries. The name of the PSB should be the same name as the AQF load module name created during SMP/E installation. (Default is IAOI01.) Also note that the AQF work database PCB should always be the first PCB and the system database PCB should always be the second PCB in the AQFPSB.

AQFPSB contains the following source statements.

```
*********************************************************************
*                                                                   *
*    IAOI01  - THIS PSB IS USED BY IAOI01 FOR SYSTEM DATABASE AND   *
*              AQF WORK DATABASE ACCESS                             *
*                                                                   *
*********************************************************************
 PCB      TYPE=TP,MODIFY=YES
 PCB      NAME=IXXAQF,TYPE=DB,PROCOPT=A,KEYLEN=12
 SENSEG   NAME=QDREC01
 SENSEG   NAME=QDREC00,PARENT=QDREC01
 SENSEG   NAME=QDREC02,PARENT=QDREC01
 SENSEG   NAME=QDREC03,PARENT=QDREC02
 SENSEG   NAME=QDREC04,PARENT=QDREC02
 SENSEG   NAME=QDREC05,PARENT=QDREC02
 PCB      NAME=IXXDB,TYPE=DB,PROCOPT=GR,KEYLEN=2
 SENSEG   NAME=IXXROOT
 PSBGEN   PSBNAME=IAOI01,LANG=PL/I,CMPAT=YES
 END
```

Figure 2-44 PSB to Use AQF

II.TCUYSRC (JRNPSB1 and JRNPSB2)

Source members JRNPSB1 and JRNPSB2 contain the PSBs used by the VISION:Journey host programs during download for VISION:Journey download database.

```
*********************************************************
*                                                       *
*    DYLI0SS - PSB USED BY THE FIRST ROUTINE (DYLI0SS) OF *
*              VISION:Journey                           *
*                                                       *
*********************************************************
 PCB    TYPE=DB,DBDNAME=IDXFTS,PROCOPT=AP,KEYLEN=10,POS=S
 SENSEG NAME=FTSROOT,PARENT=0
 PSBGEN PSBNAME=DYLI0SS,LANG=ASSEM,CMPAT=NO,IOASIZE=2400
 END
*********************************************************
*                                                       *
*    DYLI010 - PSB USED BY SEND/RECEIVE ROUTINE (DYLI010) *
*              OF VISION:Journey                        *
*                                                       *
*********************************************************
 PCB    TYPE=DB,DBDNAME=IDXFTS,PROCOPT=AP,KEYLEN=14,POS=S
 SENSEG NAME=FTSROOT,PARENT=0
 SENSEG NAME=FTSDESC,PARENT=FTSROOT
 SENSEG NAME=FTSRECS,PARENT=FTSROOT
 PSBGEN PSBNAME=DYLI010,LANG=ASSEM,CMPAT=NO,IOASIZE=10492
 END
```

Figure 2-45 PSBs Used by the VISION:Journey Host Programs During Download for VISION:Journey Download Database

Note: The name of the VISION:Journey PSBs should match the VISION:Journey host program names in the online load library. The VISION:Journey download database PCB should be the first or the only PCB in the PSB for VISION:Journey host processing.

II.TCUYCNTL (IIPSBDBD)

The control library member II.TCUYCNTL (IIPSBDBD) contains the JCL for generating the supplied DBDs and PSBs. Edit this member making any necessary modifications. Verify that the correct PROC name and member names are specified, and that the JCL overrides are correctly specified. When you are satisfied that all is correct, submit the job for processing.

The source library member II.TCUYSRC (IIPSB) should be edited/replaced to include the databases you want VISION:Inquiry to access.

The following is an example of the JCL stream to be executed.

```
//IXXDB    EXEC DBDGEN,MBR=IXXDB
//C.SYSIN    DD DSN=II.TCUYSRC(IXXDB),DISP=SHR
//IIPSB01  EXEC PSBGEN,MBR=IIPSB01
//C.SYSIN    DD DSN=II.TCUYSRC(IIPSB01),DISP=SHR
//IIPSB02  EXEC PSBGEN,MBR=IIPSB02
//C.SYSIN    DD DSN=II.TCUYSRC(IIPSB02),DISP=SHR
//*
//*  THE FOLLOWING DBD AND PSB'S ARE FOR THE
//*  AQF WORK DATABASE.
//*
//IXXAQF   EXEC DBDGEN,MBR=IXXAQF
//C.SYSIN    DD DSN=II.TCUYSRC(IXXAQF),DISP=SHR
//IXXAQFIX EXEC DBDGEN,MBR=IXXAQFIX
//C.SYSIN    DD DSN=II.TCUYSRC(IXXAQFIX),DISP=SHR
//AQFPSBIN EXEC PSBGEN,MBR=AQFPSBIN
//C.SYSIN    DD DSN=II.TCUYSRC(AQFPSBIN),DISP=SHR
//IAOI01   EXEC PSBGEN,MBR=IAOI01
//C.SYSIN    DD DSN=II.TCUYSRC(AQFPSB),DISP=SHR
//*
//*  THE FOLLOWING DBD AND PSB'S ARE FOR THE
//*  TEXT EDITOR IMS WORK DATABASE.
//*  THEY MUST BE DELETED IF YOUR TEXT EDITOR
//*  WORK DATABASE TYPE IS DB2.
//*
//TEXTFTS  EXEC DBDGEN,MBR=IDXFTS
//C.SYSIN    DD DSN=II.TCUYSRC(IDXFTS),DISP=SHR
//TEXTPSBL EXEC PSBGEN,MBR=FTSPSBL
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSBL),DISP=SHR
//TEXTPSBC EXEC PSBGEN,MBR=FTSPSBC
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSBC),DISP=SHR
//TEXTPSB  EXEC PSBGEN,MBR=INQEDIT
//C.SYSIN    DD DSN=II.TCUYSRC(TEXTPSB),DISP=SHR
//*
//*  THE FOLLOWING DBD AND PSB'S ARE FOR FTS FEATURE
//*  AND VISION:JOURNEY
//*  THEY MUST BE DELETED IF YOU DO NOT HAVE FTS FEATURE
//*  AND VISION:JOURNEY ON YOUR SYSTEM.
//*  IF YOU ARE SHARING THE DOWNLOAD DATABASE WITH
//*  TEXT EDITOR WORK DATABASE THEN THE STEPS IDXFTS,
//*  FTSPSBL, AND FTSPSBC ARE REDUNDANT AND CAN BE
//*  DELETED.
//*
//IDXFTS   EXEC DBDGEN,MBR=IDXFTS
//C.SYSIN    DD DSN=II.TCUYSRC(IDXFTS),DISP=SHR
//FTSPSBL  EXEC PSBGEN,MBR=FTSPSBL
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSBL),DISP=SHR
//FTSPSBC  EXEC PSBGEN,MBR=FTSPSBC
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSBC),DISP=SHR
//*
//*  THE FOLLOWING PSB'S ARE USED BY THE FTS FEATURE.
//*  THEY MUST BE DELETED IF YOU DO NOT HAVE
//*  FTS FEATURE INSTALLED ON YOUR SYSTEM.
//*
//IDFTS1   EXEC PSBGEN,MBR=IDFTS1
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSB1),DISP=SHR
//IDFTS2   EXEC PSBGEN,MBR=IDFTS2
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSB2),DISP=SHR
//IDFTS3   EXEC PSBGEN,MBR=IDFTS3
//C.SYSIN    DD DSN=II.TCUYSRC(FTSPSB3),DISP=SHR
//*
```

Figure 2-46 JCL to Generate the Supplied DBDs and PSBs (Page 1 of 2)

```
//*  THE FOLLOWING PSB'S ARE USED BY THE
//*  VISION:JOURNEY FACILITY.
//*  THEY MUST BE DELETED IF YOU DO NOT HAVE
//*  THE VISION:JOURNEY OPTION ON YOUR SYSTEM.
//*
//DYLI0SS  EXEC PSBGEN,MBR=DYLI0SS
//C.SYSIN    DD DSN=II.TCUYSRC(JRNPSB1),DISP=SHR
//DYLI010  EXEC PSBGEN,MBR=DYLI010
//C.SYSIN    DD DSN=II.TCUYSRC(JRNPSB2),DISP=SHR
//*
//*  THE REMAINING DBD'S AND PSB'S ARE FOR THE
//*  TEST DATABASES. THEY CAN BE GENERATED
//*  ALONG WITH THESE DBD'S AND PSB'S.
//*
//IIDBDDM  EXEC DBDGEN,MBR=IIDBDDM
//C.SYSIN    DD DSN=II.TCUYSRC(IIDBDDM),DISP=SHR
//IIDBDDS  EXEC DBDGEN,MBR=IIDBDDS
//C.SYSIN    DD DSN=II.TCUYSRC(IIDBDDS),DISP=SHR
//IIPSB03  EXEC PSBGEN,MBR=IIPSB03
//C.SYSIN    DD DSN=II.TCUYSRC(IIPSB03),DISP=SHR
//II       EXEC PSBGEN,MBR=II
//C.SYSIN    DD DSN=II.TCUYSRC(IIPSB),DISP=SHR
//ACBGEN   EXEC ACBGEN
//SYSIN      DD *
 BUILD PSB=ALL
/*
//
```

Figure 2-46 JCL to Generate the Supplied DBDs and PSBs (Page 2 of 2)

Notes:

- The parameter name “MBR” and the stepnames “C” and “G” used in the JCL, match with the names used in the standard DBDGEN, PSBGEN, and ACBGEN procedures. If your installation uses different names, change the names accordingly in the JCL.
- The control blocks in the ACBGEN step may be built separately by specifying their names in the BUILD control statement. PSB=ALL in the BUILD control statement generates the ACBs for all the PSBs currently residing in your PSB library.
- If you do not have VISION:Journey or FTS on your system, you should delete JCL for generating VISION:Journey/FTS DBDs and PSBs in the member IIPSBDBD.
- If the Text Editor work database type is DB2, you should delete the steps for generating Text Editor DBD and PSBs in member IIPSBDBD.
- If you are sharing the VISION:Journey download database with the Text Editor IMS (DL/I) work database, then the steps IDXFTS, FTSPSBL, and FSTPSBC in the member IIPSBDBD are redundant and can be deleted.

If your installation has a different technique for generating DBDs and PSBs, use that technique.

Binding the DB2 Plan

The control library member II.TCUYCNTL (DB2BIND) contains the TSO command language statements to bind a plan for use by VISION:Inquiry. You need to edit this member to change the subsystem ID, plan name, and object library name, to those for your installation. If you are re-binding an existing plan, change ACTION (ADD) to ACTION (REPLACE). Use the TSO or batch TSO command

```
EXEC 'control-library-name(DB2BIND)'
```

to perform the BIND.

Under SPUFI, grant execution authority to all users by executing this SQL statement:

```
GRANT EXECUTE ON PLAN plan-name TO PUBLIC;
```

IMS Attach is used in MPP, BMP, and DL/I Batch or TSO regions. The DB2 plan name used by VISION:Inquiry needs to be specified to the regions accessing the DB2 system. If the DB2 plan name is not the same as the online (MPP) program name, you must place an entry in the Resource Translation Table (RTT) that defines the association between application program names and the DB2 plan name to be allocated by IMS Attach. Macro library member II.TCUYMAC (INQYRTT) contains the sample RTT entries.

For the DL/I Batch and TSO regions, you can specify the DB2 plan name along with the other DB2 connection parameters in the DDITV02 data set or SSM member.

Refer to the *IBM Database 2 Administration Guide* for documentation of the IMS Attach Facility of DB2.

Defining MFS Screen Formats

The source library II.TCUYSRC contains members used to define MFS formats for native VISION:Inquiry, the Text Editor, AQF, and VISION:Journey.

Native VISION:Inquiry MFS Formats

Both of the following members contain comments explaining the function of the various statements. They should be reviewed and modified as appropriate for your installation:

- Source library member II.TCUYSRC (INQIMS) contains the MFS format used to invoke native VISION:Inquiry online.
- Source library member II.TCUYSRC (INQUDO) contains the MFS format used to invoke native VISION:Inquiry with the UDO feature online. This format provides more input lines for larger UDO inquiries.

Text Editor MFS Formats

The following members contain the MFS formats used during Text Editor processing:

- Source library member II.TCUYSRC (TEXTMFS) contains the main MFS screen used by Text Editor for editing stored inquiries. Limited changes can be made to this screen format as described in Chapter 6, Programming and Operation Considerations, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.
- Source library member II.TCUYSRC (TEXTHLP) is the help MFS screen which displays the information about the operation and commands of the Text Editor during the edit process.
- Source library member II.TCUYSRC (EDITMFS) contains the MFS format used to transfer the edited stored inquiry to the native VISION:Inquiry when the Text Editor command PASS or SAVE/PASS is used. It contains comments explaining the function of various statements and should be reviewed and modified as appropriate for your installation.

Note: The MOD names of the Text Editor MFS formats should match with the names specified in the parameters of the II.TCUYSRC (CUYIEPRM) member discussed in Changing the Text Editor Parameters on page 2-102.

AQF MFS Formats

The AQF MFS formats contain comments explaining the function of the various statements and the field names used on each AQF screen. Some changes can be made to the AQF screen formats as appropriate for your installation (see Chapter 6, Programming and Operation Considerations, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*, for possible changes on the AQF screens).

- Source library members starting with characters “AQFH” (such as AQFH01) contain the MFS formats used as the AQF Help screens.
- Source library members starting with characters “AQFM” (such as AQFM01) contain the MFS formats used for the AQF main screens.
- Source library member AQFIMS contains the MFS format used to transfer the generated query from AQF to the native VISION:Inquiry.

Note: The Mod names of the AQF MFS formats must match with the names specified in the parameters of the II.TCUYSRC (CUYIAMOD) member discussed in Changing the MFS MOD Names of the AQF Screens on page 2-103.

VISION:Journey MFS Formats

VISION:Journey uses two MFS formats during the processing and downloading of data or reports to the PC:

- Source library member II.TCUYSRC (FTSMFS) contains a single MFS output panel which is used during initiation of the PC by the VISION:Inquiry download facility.

  For VISION:Journey, this panel indicates that the extraction of the data or report has completed and the system is ready to download. VISION:Journey then starts the download process automatically. The contents of this panel are not modifiable.

  The default MOD name of the MFS format is IDFTSP7 and should match with the Journey MFS screen name specified at Installation Preparation dialog during SMP/E installation (refer to page 2-52 of this guide).

  The panel also contains lower-case text. During MFS screen processing, it is not uncommon to receive warning messages relating to these characters; you should ignore these messages.

- Source library member II.TCUYSRC (ODYMFS) contains the MFS format used to invoke native VISION:Inquiry when VISION:Journey is used with VISION:Inquiry. This MFS format transfers the query generated by VISION:Journey to the native VISION:Inquiry. This format provides 20 input lines for larger generated queries.

  Source library member II.TCUYSRC (ODYMFS) contains comments explaining the function of various statements and should be reviewed and modified as appropriate for your installation.

JCL for MFS Formats

The control library member II.TCUYCNTL (IIFORMAT) contains the JCL for generating the MFS formats. Edit this member, making any necessary modifications. Verify that the correct PROC name and member names are specified, and that the JCL overrides are correctly specified. When you are satisfied that all is correct, submit the job for processing.

Note: The values for the parameters defined here, if customized, should be placed in the individual executions of the PREPRO procedure and not the PREPRO PROC statements.

Using the supplied JCL, you can change some of the names used in the MFS by passing them as parameters. The parameters are:

MFS Generates names for the message input and output definitions (MSG statements) and format definition (FMT statement). It can be up to 7 characters.

TRAN Specifies the native IMS VISION:Inquiry transaction code. It appears at the first line of the screen. If more than one VISION:Inquiry transaction code is used with this MFS, do not code this parameter.

ETRN Specifies the Text Editor transaction code for the Text Editor main and help MFS formats. The transaction code must match with the name specified in the parameter EDITTRN in the member II.TCUYSRC (CUYIEPRM).

AQF Specifies the name of the AQF transaction code in the AQFIMS1 and EDITMFS1 step.

BASE Generates names for the message input and output definitions (MSG statements) and format definition (FMT statement) of the AQF panels (main and help). It can be up to 4 characters.

If your installation uses a different technique for generating MFS formats, it should be used.

Note: Generating the formats will produce a return code 4.

```
//*************************************************************
//*            USE THE FOLLOWING AS A GUIDELINE                *
//*************************************************************
//PREPRO  PROC  MEMBER=,MACLIB='II.TCUYMAC',SRCLIB='II.TCUYSRC',
//        UNIT=VIO,
//        MFS=,    USED TO REPLACE DEFAULT MFS MESSAGE NAME
//        TRAN=,   USED TO REPLACE DEFAULT NATIVE IMS TRANSACTION CODE
//        ETRN=,   USED TO REPLACE DEFAULT TEXT EDITOR TRANSACTION CODE
//        AQF=,    USED TO PASS AQF TRANSACTION CODE TO VISION:INQUIRY
//        BASE=    FOR AQF = DEFAULT MFS PREFIX OF MESSAGE NAME
//PREASM  EXEC  PGM=ASMA90,PARM=(DECK,NOOBJ,NOLIST,TERM,OPTABLE(XA),
//        'SYSPARM(&MFS&BASE&TRAN&AQF&ETRN)'),REGION=2M
//SYSLIB   DD   DISP=SHR,DSN=&MACLIB
//         DD   DISP=SHR,DSN=&SRCLIB
//SYSPRINT DD   SYSOUT=*
//SYSTERM  DD   SYSOUT=*
//SYSUT1   DD   UNIT=&UNIT,SPACE=(CYL,(1,1))
//SYSUT2   DD   UNIT=&UNIT,SPACE=(CYL,(1,1))
//SYSUT3   DD   UNIT=&UNIT,SPACE=(CYL,(1,1))
//SYSPUNCH DD   UNIT=&UNIT,DISP=(,PASS),SPACE=(CYL,(1,1)),
//         DCB=&SRCLIB
//SYSIN    DD   DISP=SHR,DSN=&SRCLIB(&MEMBER)
//         PEND
//*
//*            BUILD MFS FORMATS FOR VISION:INQUIRY FOR IMS
//*            NO UDO: 3 INPUT LINES (1 THRU 3)
//*
//INQIMS1  EXEC PREPRO,MEMBER=INQIMS,MFS=INQIMS,TRAN=',II'
//INQIMS   EXEC MFSUTL,COND=(4,LT,INQIMS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.INQIMS1.PREASM.SYSPUNCH
//*
//*            BUILD MFS FORMATS FOR VISION:INQUIRY FOR IMS
//*            UDO: 10 INPUT LINES (1 THRU 11)
//*
```

Figure 2-47 JCL for Generating MFS Formats (Page 1 of 3)

```
//INQUDO1  EXEC PREPRO,MEMBER=INQUDO,MFS=INQUDO,TRAN=',II'
//INQUDO   EXEC MFSUTL,COND=(4,LT,INQUDO1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.INQUDO1.PREASM.SYSPUNCH
//*
//*        BUILD MFS FORMATS FOR TEXT EDITOR
//*
//EDITMFS1 EXEC PREPRO,MEMBER=EDITMFS,MFS=EDITMFS,TRAN=',II',
//         AQF=',IIAQF'
//EDITMFS  EXEC MFSUTL,COND=(4,LT,EDITMFS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.EDITMFS1.PREASM.SYSPUNCH
//TEXTMFS1 EXEC PREPRO,MEMBER=TEXTMFS,MFS=TEXTMFS,ETRN=',IQED'
//TEXTMFS  EXEC MFSUTL,COND=(4,LT,TEXTMFS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.TEXTMFS1.PREASM.SYSPUNCH
//TEXTHLP1 EXEC PREPRO,MEMBER=TEXTHLP,MFS=TEXTHLP,ETRN=',IQED'
//TEXTHLP  EXEC MFSUTL,COND=(4,LT,TEXTHLP1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.TEXTHLP1.PREASM.SYSPUNCH
//*
//*        BUILD MFS FORMATS FOR AQF PANELS
//*
//AQFIMS1  EXEC PREPRO,MEMBER=AQFIMS,MFS=AQFIMS,TRAN=',II',
//         AQF=',IIAQF'
//AQFIMS   EXEC MFSUTL,COND=(4,LT,AQFIMS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFIMS1.PREASM.SYSPUNCH
//AQFM011  EXEC PREPRO,MEMBER=AQFM01,BASE=AQFM
//AQFM01   EXEC MFSUTL,COND=(4,LT,AQFM011.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM011.PREASM.SYSPUNCH
//AQFM021  EXEC PREPRO,MEMBER=AQFM02,BASE=AQFM
//AQFM02   EXEC MFSUTL,COND=(4,LT,AQFM021.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM021.PREASM.SYSPUNCH
//AQFM02A1 EXEC PREPRO,MEMBER=AQFM02A,BASE=AQFM
//AQFM02A  EXEC MFSUTL,COND=(4,LT,AQFM02A1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM02A1.PREASM.SYSPUNCH
//AQFM031  EXEC PREPRO,MEMBER=AQFM03,BASE=AQFM
//AQFM03   EXEC MFSUTL,COND=(4,LT,AQFM031.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM031.PREASM.SYSPUNCH
//AQFM03A1 EXEC PREPRO,MEMBER=AQFM03A,BASE=AQFM
//AQFM03A  EXEC MFSUTL,COND=(4,LT,AQFM03A1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM03A1.PREASM.SYSPUNCH
//AQFM041  EXEC PREPRO,MEMBER=AQFM04,BASE=AQFM
//AQFM04   EXEC MFSUTL,COND=(4,LT,AQFM041.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM041.PREASM.SYSPUNCH
//AQFM051  EXEC PREPRO,MEMBER=AQFM05,BASE=AQFM
//AQFM05   EXEC MFSUTL,COND=(4,LT,AQFM051.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM051.PREASM.SYSPUNCH
//AQFM061  EXEC PREPRO,MEMBER=AQFM06,BASE=AQFM
//AQFM06   EXEC MFSUTL,COND=(4,LT,AQFM061.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM061.PREASM.SYSPUNCH
//AQFM071  EXEC PREPRO,MEMBER=AQFM07,BASE=AQFM
//AQFM07   EXEC MFSUTL,COND=(4,LT,AQFM071.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM071.PREASM.SYSPUNCH
//AQFM07A1 EXEC PREPRO,MEMBER=AQFM07A,BASE=AQFM
//AQFM07A  EXEC MFSUTL,COND=(4,LT,AQFM07A1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM07A1.PREASM.SYSPUNCH
//AQFM07B1 EXEC PREPRO,MEMBER=AQFM07B,BASE=AQFM
//AQFM07B  EXEC MFSUTL,COND=(4,LT,AQFM07B1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM07B1.PREASM.SYSPUNCH
//AQFM101  EXEC PREPRO,MEMBER=AQFM10,BASE=AQFM
//AQFM10   EXEC MFSUTL,COND=(4,LT,AQFM101.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFM101.PREASM.SYSPUNCH
//AQFH011  EXEC PREPRO,MEMBER=AQFH01,BASE=AQFH
//AQFH01   EXEC MFSUTL,COND=(4,LT,AQFH011.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH011.PREASM.SYSPUNCH
//AQFH021  EXEC PREPRO,MEMBER=AQFH02,BASE=AQFH
//AQFH02   EXEC MFSUTL,COND=(4,LT,AQFH021.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH021.PREASM.SYSPUNCH
```

Figure 2-47 JCL for Generating MFS Formats (Page 2 of 3)

```
//AQFH031  EXEC PREPRO,MEMBER=AQFH03,BASE=AQFH
//AQFH03   EXEC MFSUTL,COND=(4,LT,AQFH031.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH031.PREASM.SYSPUNCH
//AQFH041  EXEC PREPRO,MEMBER=AQFH04,BASE=AQFH
//AQFH04   EXEC MFSUTL,COND=(4,LT,AQFH041.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH041.PREASM.SYSPUNCH
//AQFH051  EXEC PREPRO,MEMBER=AQFH05,BASE=AQFH
//AQFH05   EXEC MFSUTL,COND=(4,LT,AQFH051.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH051.PREASM.SYSPUNCH
//AQFH061  EXEC PREPRO,MEMBER=AQFH06,BASE=AQFH
//AQFH06   EXEC MFSUTL,COND=(4,LT,AQFH061.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH061.PREASM.SYSPUNCH
//AQFH071  EXEC PREPRO,MEMBER=AQFH07,BASE=AQFH
//AQFH07   EXEC MFSUTL,COND=(4,LT,AQFH071.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH071.PREASM.SYSPUNCH
//AQFH101  EXEC PREPRO,MEMBER=AQFH10,BASE=AQFH
//AQFH10   EXEC MFSUTL,COND=(4,LT,AQFH101.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.AQFH101.PREASM.SYSPUNCH
//*
//*     BUILD MFS FORMAT USED BY VISION:JOURNEY/FTS FEATURE.
//*     THE FOLLOWING MFS FORMAT MAY BE DELETED IF YOU DO NOT
//*     HAVE THE VISION:JOURNEY/FTS FEATURE IN YOUR SYSTEM.
//*
//FTSMFS1  EXEC PREPRO,MEMBER=FTSMFS,MFS=IDFTSP7
//FTSMFS   EXEC MFSUTL,COND=(4,LT,FTSMFS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.FTSMFS1.PREASM.SYSPUNCH
//*
//*     BUILD MFS FORMAT USED BY NATIVE VISION:INQUIRY WHEN THE
//*     VISION:JOURNEY FACILITY IS USED. IT ASSIGNS THE WHOLE
//*     SCREEN AS INPUT AREA FOR ENTERING THE INQUIRY.
//*     THE FOLLOWING MFS FORMAT MAY BE DELETED IF YOU DO NOT
//*     HAVE THE VISION:JOURNEY OPTION IN YOUR SYSTEM.
//*
//ODYMFS1  EXEC PREPRO,MEMBER=ODYMFS,MFS=ODYMFS,TRAN=',II'
//ODYMFS   EXEC MFSUTL,COND=(4,LT,ODYMFS1.PREASM)
//S1.SYSIN  DD   DISP=(OLD,DELETE),DSN=*.ODYMFS1.PREASM.SYSPUNCH
```

Figure 2-47 JCL for Generating MFS Formats (Page 3 of 3)

If you do not have VISION:Journey on your system, you can delete the JCL to assemble the map IDFTSP7 and ODYMFS at the end of the control library member II.TCUYCNTL (IIFORMAT).

Installing the Test Data

Control library members contain the JCL to allocate and load the test databases.

II.TCUYCNTL (IMSDEMO)

Control library member II.TCUYCNTL (IMSDEMO) contains the following JCL to allocate and load the IMS (DL/I) test databases, PLANT and SKILL, with data from II.TCUYSRC (IIDATA).

```
//* IMS SAMPLE DATABASE ALLOCATION AND LOADING JCL:
//*   - THIS JOB WILL DEFINE THE SAMPLE (TEST)
//*     IMS DATABASES TO VSAM AND LOAD THE TEST DATA.
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES TO MATCH THOSE YOU WILL USE.
//*   - REPLACE ?????? IN THE DEFINE COMMANDS WITH THE VOLUME SERIAL
//*     NUMBERS OF THE VOLUMES ON WHICH THE DATABASES WILL RESIDE.
//*   - THE SMP/E INSTALLATION MUST BE COMPLETE AND THE DBDS AND
//*     PSBS GENERATED.
//* DEFINE THE PLANT AND SKILL TEST IMS DATABASES CLUSTERS TO VSAM
//*
//DEFINE    EXEC PGM=IDCAMS,REGION=500K
//SYSPRINT  SYSOUT=*
//SYSIN     DD *
  DEFINE CLUSTER ( NAME(II.PLANT) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(10 1) -
                   INDEXED ) -
           DATA ( KEYS(5,6) -
                  RECORDSIZE(80,80) -
                  FREESPACE(10,10) -
                  CONTROLINTERVALSIZE(1024) )
  DEFINE CLUSTER ( NAME(II.PLANTOV) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(5 5) -
                   NONINDEXED -
                   RECORDSIZE(80 80) -
                   CONTROLINTERVALSIZE(1024) )
  DEFINE CLUSTER ( NAME(II.SKILL) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(10 1) -
                   INDEXED ) -
           DATA ( KEYS(2,6) -
                  RECORDSIZE(80 80) -
                  FREESPACE(10 10) -
                  CONTROLINTERVALSIZE(1024) )
  DEFINE CLUSTER ( NAME(II.SKILLOV) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(5 5) -
                   NONINDEXED -
                   RECORDSIZE(80 80) -
                   CONTROLINTERVALSIZE(1024) )
/*
//*      LOAD THE TEST IMS DATABASES
//IIDEMO   EXEC DLIBATCH,PSB=IIPSB03,MBR=IIDEMO,RGN=2048K
//STEPLIB  DD
//         DD DISP=SHR,DSN=II.TCUYPGM
```

Figure 2-48 JCL to Allocate and Load the IMS (DL/I) Test Databases (Page 1 of 2)

```
//IEFRDER  DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
//SYSPRINT DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
//IIDBDDM  DD DISP=OLD,DSN=II.PLANT
//IIDBDDMO DD DISP=OLD,DSN=II.PLANTOV
//IIDBDDS  DD DISP=OLD,DSN=II.SKILL
//IIDBDDSO DD DISP=OLD,DSN=II.SKILLOV
//SYSIN    DD DISP=SHR,DSN=II.TCUYSRC(IIDATA)
```

Figure 2-48 JCL to Allocate and Load the IMS (DL/I) Test Databases (Page 2 of 2)

II.TCUYCNTL (DB2DEMO)

Control library member II.TCUYCNTL (DB2DEMO) contains SQL statements to be input to SPUFI or to the "DSNTIAD" module in batch mode to create and load the DB2 test tables and views. The authorization ID DYLINQ and the database specification in DATABASE IIDB are used throughout.

You can do a global change (for example, in ISPF edit), by entering

```
CHANGE ALL DYLINQ your-authid
```

and

```
CHANGE ALL 'IN DATABASE IIDB' 'IN DATABASE.tablespace'
```

to substitute values appropriate to your installation.

II.TCUYCNTL (DB2INDEX)

Control library member II.TCUYCNTL (DB2INDEX) contains the following SQL statements to be input to SPUFI or to the "DSNTIAD" module in batch mode to create and define the index for DB2 test tables.

If you want, add SQL statements to define new indices for different fields of the test DB2 tables. It is also highly recommended that you build indices for user DB2 tables, especially for those fields specified in the IF clause of the query. These indices produce better response time.

You can change the authorization ID DYLINQ throughout this member if you have already changed it in DB2DEMO member.

```
CREATE INDEX INQ_IIPLANT       ON DYLINQ.IIPLANT       (PLANT ASC);
CREATE INDEX INQ_IIPLANT_PROD  ON DYLINQ.IIPLANT_PROD  (PLANT ASC);
CREATE INDEX INQ1_IIPLANT_EMP  ON DYLINQ.IIPLANT_EMP   (PLANT ASC);
CREATE INDEX INQ2_IIPLANT_EMP  ON DYLINQ.IIPLANT_EMP   (EMPLOYEE ASC);
CREATE INDEX INQ_IIEMP_SAL     ON DYLINQ.IIEMP_SAL     (EMPLOYEE ASC);
CREATE INDEX INQ_IIEMP_ED      ON DYLINQ.IIEMP_ED      (EMPLOYEE ASC);
CREATE INDEX INQ_IIEMP_ED_SUB  ON DYLINQ.IIEMP_ED_SUB  (EMPLOYEE ASC);
CREATE INDEX INQ_IISKILL       ON DYLINQ.IISKILL       (SKILL ASC)
CREATE INDEX INQ_IISKILL_PLANT ON DYLINQ.IISKILL_PLANT (SKILL ASC)'
CREATE INDEX INQ1_IISKILL_EMP  ON DYLINQ.IISKILL_EMP   (SKILL ASC);
CREATE INDEX INQ2_IISKILL_EMP  ON DYLINQ.ISKILL_EMP    (EMPLOYEE ASC);
```

Figure 2-49 SQL Statements to Create and Define Indices for Test DB2 Tables

II.TCUYCNTL (VSAMDEMO)

Control library member II.TCUYCNTL (VSAMDEMO) contains the following model JCL to allocate and load the VSAM test data sets, VSPLANT and VSSKILL, with data from II.TCUYSRC (VSDATAK) and II.TCUYSRC (VSDATAR).

```
//* VSAM SAMPLE FILE ALLOCATION AND LOADING JCL:
//*   - THIS JOB WILL DEFINE THE SAMPLE (TEST) VSAM
//*     FILES, VSPLANT AND VSSKILL, TO VSAM AND LOAD THE TEST DATA.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - REPLACE ?????? IN THE DEFINE COMMANDS WITH THE VOLUME SERIAL
//*     NUMBERS OF THE VOLUMES ON WHICH THE DATA SETS WILL RESIDE.
//*
//*
//* DEFINE AND LOAD THE PLANT AND SKILL TEST VSAM FILE CLUSTERS
//*
//VSMDEMO EXEC PGM=IDCAMS,REGION=500K
//SYPRINT  DD SYSOUT=*
//VSDATAK  DD DISP=SHR,DSN=II.TCUYSRC(VSDATAK)
//VSDATAR  DD DISP=SHR,DSN=II.TCUYSRC(VSDATAR)
//SYSIN    DD *
  DEFINE CLUSTER ( NAME(VS.VSPLDS) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(26) -
                   INDEXED ) -
            DATA ( KEYS(5,5) -
                   RECORDSIZE(80,80) -
                   CONTROLINTERVALSIZE(1024) )
  DEFINE CLUSTER ( NAME(VS.VSSKDS) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(26) -
                   NUMBERED -
                   RECORDSIZE(80 80) -
                   CONTROLINTERVALSIZE(1024) )
  REPRO IFILE(VSDATAK) ODS(VS.VSPLDS)
  REPRO IFILE(VSDATAR) ODS(VS.VSSKDS)
/*
```

Figure 2-50 JCL to Allocate and Load the VSAM Test Data Sets, VSPLANT and VSSKILL

II.TCUYCNTL (VSMHDEMO)

Control library member II.TCUYCNTL (VSMHDEMO) contains the following model JCL to allocate and load the VSAM hierarchical test data sets, VSHPLANT and VSHSKILL, with data from II.TCUYSRC (VSDATAH).

```
//* VSAM HIERARCHICAL SAMPLE FILE ALLOCATION AND LOADING JCL:
//*   - THIS JOB WILL DEFINE THE SAMPLE (TEST) VSAM
//*     HIERARCHICAL FILES, VSHPLANT and VSHSKILL,
//*     TO VSAM AND LOAD THE TEST DATA.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - REPLACE ?????? IN THE DEFINE COMMANDS WITH THE VOLUME SERIAL
//*     NUMBERS OF THE VOLUMES ON WHICH THE DATA SETS WILL RESIDE.
//*   - THE SMP/E INSTALLATION MUST BE COMPLETED.
//*
//*
//* DEFINE THE PLANT AND SKILL TEST VSAM HIERARCHICAL FILE CLUSTERS
//*
//VSMHDEMO EXEC PGM=IDCAMS,REGION=500K
//SYSPRINT DD SYSOUT=*
//SYSIN    DD  *
  DEFINE CLUSTER ( NAME(VS.VSHPLDS) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(1 1) -
                   INDEXED ) -
            DATA ( KEYS(5 0) -
                   RECORDSIZE(500 747) -
                   CONTROLINTERVALSIZE(1024) )
  DEFINE CLUSTER ( NAME(VS.VSHSKDS) -
                   VOLUMES(??????) -
                   SPEED -
                   TRACKS(1 1) -
                   INDEXED ) -
            DATA ( KEYS(2 0) -
                   RECORDSIZE(44 90) -
                   CONTROLINTERVALSIZE(1024) )
/*
//*
//*  LOAD THE TEST VSAM HIERARCHICAL FILES
//*
//IVDEMO   EXEC PGM=IVDEMO,REGION=500K
//STEPLIB  DD DSN=II.TCUYPGM,DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSIN    DD DSN=II.TCUYSRC(VSDATAH),DISP=SHR
//VSHPLDS  DD DSN=VS.VSHPLDS,DISP=SHR
//VSHSKDS  DD DSN=VS.VSHSKDS,DISP=SHR
```

Figure 2-51 JCL to Allocate and Load the VSAM Hierarchical Test Data Sets, VSHPLANT and VSHSKILL

Defining and Initializing the System Database

Before a system database can be used, it must exist and it must be initially loaded using the IIINIT program. It is also necessary to load the error messages and the standard system vocabulary using the IIGEN program. (A full description of the

IIGEN program and error message and system vocabulary definition is contained in Chapter 6, Utilities, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.)

- If you do not have VISION:Journey on your system, you can delete the commands, PCEXTRACT, PCE, PCLOAD, PCL, PCDELETE, and PCD, from the source library member II.TCUYSRC (IIVOCAB) before loading your vocabulary.
- If you try to execute these commands in a non-VISION:Journey environment, VISION:Inquiry issues an error message.

II.TCUYCNTL (IMSINIT)

Control library member II.TCUYCNTL (IMSINIT) contains the following model JCL to allocate and initialize an IMS (DL/I) system database and load the error messages II.TCUYSRC (IIERROR) and system vocabulary II.TCUYSRC (IIVOCAB).

```
//* IMS SYSTEM DATABASE ALLOCATION AND INITIALIZATION JCL:
//*   - THIS JOB WILL DEFINE AN IMS SYSTEM DATABASE
//*     TO VSAM, PERFORM AN INITIAL LOAD, AND LOAD
//*     ERROR MESSAGES AND THE STANDARD SYSTEM VOCABULARY.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - REPLACE ?????? IN THE DEFINE COMMAND WITH THE VOLUME SERIAL
//*     NUMBER OF THE VOLUME ON WHICH THE SYSTEM DATABASE WILL RESIDE.
//*   - IF YOU ARE CUSTOMIZING MESSAGES, CHANGE II.TCUYSRC(IIERROR).
//*   - IF YOU ARE CUSTOMIZING THE SYSTEM VOCABULARY (NOT RECOMMENDED),
//*     CHANGE II.TCUYSRC(IIVOCAB).
//*   - THE SMP/E INSTALLATION MUST BE COMPLETE AND THE DBDS AND
//*     PSBS GENERATED.
//*
//*
//* DEFINE THE SYSTEM DATABASE CLUSTER TO VSAM
//*
//DEFINE   EXEC PGM=IDCAMS,REGION=500K
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
  DEFINE CLUSTER ( NAME(II.IXXDB) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(206) -
                   NONINDEXED -
                   RECORDSIZE(2553,2553) -
                   CONTROLINTERVALSIZE(2560) )
/*
//*
//*  INITIALIZE THE SYSTEM DATABASE
//*
//IIINIT   EXEC DLIBATCH,MBR=IIINIT,PSB=IIPSB01,RGN=2048K
//STEPLIB  DD
//         DD DISP=SHR,DSN=II.TCUYPGM
//IEFRDER  DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
```

Figure 2-52 JCL to Allocate and Initialize an IMS (DL/I) System Database (Page 1 of 2)

```
//IXXDB    DD DISP=OLD,DSN=II.IXXDB
//SYSPRINT DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
//SYSIN    DD *
INDEX=4,DIRECTORY=200;
/*
//*
//*  LOAD THE STANDARD ERROR MESSAGES & SYSTEM VOCABULARY
//*
//IIGEN    EXEC DLIBATCH,MBR=IIGEN,PSB=IIPSB02,RGN=2048K
//STEPLIB  DD
//         DD DISP=SHR,DSN=II.TCUYPGM
//IEFRDER  DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
//IXXDB    DD DISP=OLD,DSN=II.IXXDB
//SYSPRINT DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
//IXGERR   DD SYSOUT=*
//IXGOUT   DD SYSOUT=*
//SYSIN    DD DISP=SHR,DSN=II.TCUYSRC(IIERROR)
//         DD DISP=SHR,DSN=II.TCUYSRC(IIVOCAB)
```

Figure 2-52 JCL to Allocate and Initialize an IMS (DL/I) System Database (Page 2 of 2)

II.TCUYCNTL (DB2CREAT)

Control library member II.TCUYCNTL (DB2CREAT) contains the following SQL statements to be input to SPUFI or to the "DSNTIAD" module in batch mode to create and define a DB2 system database and its index.

The authorization ID DYLINQ and the database specification in DATABASE IIDB are used throughout; you can do a global change, (for example, in ISPF edit), by entering

```
CHANGE ALL DYLINQ your-authid
```

and

```
CHANGE 'IN DATABASE IIDB' 'IN DATABASE.tablespace'
```

to substitute values appropriate to your installation.

```
CREATE TABLE DYLINQ.IISYSTEM
      (IIKEY        SMALLINT        NOT NULL
       IIDATA       VARCHAR(2038)   NOT NULL)
  IN DATABASE IIDB;

CREATE UNIQUE INDEX DYLINQ.IIINDEX ON DYLINQ.IISYSTEM (IIKEY)
                    PCTFREE 0 CLUSTER;

GRANT SELECT,UPDATE(IIDATA) ON TABLE DYLINQ.IISYSTEM TO PUBLIC;
```

Figure 2-53 SQL Statements to Create and Define a DB2 System Database

II.TCUYCNTL (DB2INIT)

Control library member II.TCUYCNTL (DB2INIT) contains the following model JCL to initialize a DB2 system database, load the error messages II.TCUYSRC (IIERROR), and load the system vocabulary II.TCUYSRC (IIVOCAB).

```
//* DB2 SYSTEM DATABASE INITIALIZATION JCL:
//*   - THIS JOB WILL INITIALIZE A DB2 SYSTEM DATABASE AND
//*     LOAD THE STANDARD ERROR MESSAGES AND SYSTEM VOCABULARY.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - VERIFY OR CHANGE THE DB2 SUB-SYSTEM, PLAN, AND TABLE NAMES IN
//*     THE PARM FIELDS; OR YOU MAY OMIT THE PARMS ENTIRELY IF THIS
//*     INFORMATION IS SPECIFIED AT SMP/E INSTALLATION TIME.
//*   - IF YOU ARE CUSTOMIZING MESSAGES, CHANGE II.TCUYSRC(IIERROR).
//*   - IF YOU ARE CUSTOMIZING THE SYSTEM VOCABULARY (NOT RECOMMENDED),
//*     CHANGE II.TCUYSRC(IIVOCAB).
//*   - THE SMP/E INSTALLATION AND INSTALLATION STEPS USING
//*     II.TCUYCNTL MEMBERS DB2BIND AND DB2CREAT MUST BE COMPLETE.
//*   - (RE)CREATE THE DB2 SYSTEM DATA BASE USING II.TCUYCNTL MEMBER
//*     DB2CREAT.
//*
//*
//*  INITIALIZE THE SYSTEM DATABASE
//*
//IIINIT   EXEC PGM=IINIT,REGION=1500K,
//         PARM='TYPE=DB2,SSID=DSN,PLAN=II,NAME=DYLINQ.IISYSTEM'
//STEPLIB  DD DISP=SHR,DSN=II.TCUYPGM
//         DD DISP=SHR,DSN=DSN510.DSNLOAD
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
INDEX=4,DIRECTORY=200;
/*
//*
//*  LOAD THE STANDARD ERROR MESSAGES & SYSTEM VOCABULARY
//*
//IIGEN    EXEC PGM=IIGEN,REGION=1500K,
//         PARM='TYPE=DB2,SSID=DSN,PLAN=II,NAME=DYLINQ.IISYSTEM'
//STEPLIB  DD DISP=SHR,DSN=II.TCUYPGM
//         DD DISP=SHR,DSN=DSN510.DSNLOAD
//SYSPRINT DD SYSOUT=*
//IXGERR   DD SYSOUT=*
//IXGOUT   DD SYSOUT=*
//SYSIN    DD DISP=SHR,DSN=II.TCUYSRC(IIERROR)
//         DD DISP=SHR,DSN=II.TCUYSRC(IIVOCAB)
```

Figure 2-54 JCL to Initialize a DB2 System Database

Defining and Initializing the Text Editor Work Database

Before the Text Editor facility can be used, the Text Editor work database must exist and must be initialized.

The type of the work database can be either IMS or DB2 which is specified at installation time. If you have installed VISION:Journey on your system, the Text Editor IMS (DL/I) work database can be the same as the VISION:Journey download database. In the supplied JCL, the default is sharing the two databases.

II.TCUYCNTL (IMSTXTIN)

Control library member II.TCUYCNTL (IMSTXTIN) contains the following model JCL to allocate and initialize the Text Editor IMS (DL/I) work database using the IFUINIT utility.

```
//* TEXT EDITOR IMS WORK DATABASE ALLOCATION AND INITIALIZATION JCL:
//*   - THIS JOB DEFINES AND INITIALIZES THE IMS WORK DATABASE
//*     TO VSAM USED BY THE TEXT EDITOR FACILITY.
//*
//*                    ********NOTE********
//*     THIS DATABASE HAS THE SAME CHARACTERISTICS AS THE DOWNLOAD
//*     DATABASE USED BY VISION:JOURNEY/FTS FEATURE AND IS SHARED
//*     (DEFAULT) IF THE OPTIONS ARE AVAILABLE ON YOUR SYSTEM.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - VERIFY OR CHANGE THE SIZE OF THE DATASETS (RECORDS PARAMETER)
//*     AS NEEDED.
//*   - REPLACE ?????? IN THE DEFINE COMMAND WITH THE VOLUME SERIAL
//*     NUMBER OF THE VOLUME ON WHICH THE WORK DATABASE WILL RESIDE.
//*   - THE SMP/E INSTALLATION MUST BE COMPLETE AND THE DBDS AND
//*     PSBS GENERATED.
//*
//*
//* DEFINE THE WORK DATABASE CLUSTER TO VSAM
//*
//DEFINE   EXEC PGM=IDCAMS,REGION=500K
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
  DEFINE CLUSTER ( NAME(II.IDXFTS.ROOT) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(66 32) -
                   NONINDEXED -
                   RECORDSIZE(2553,2553) -
                   CONTROLINTERVALSIZE(2560) )

  DEFINE CLUSTER ( NAME(II.IDXFTS.DESC) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(72 24) -
                   NONINDEXED -
                   RECORDSIZE(2041,2041) -
                   CONTROLINTERVALSIZE(2048) )

  DEFINE CLUSTER ( NAME(II.IDXFTS.RECS) -
                   VOLUMES(??????) -
                   SPEED -
                   RECORDS(400 300) -
                   NONINDEXED -
                   RECORDSIZE(8185,8185) -
                   CONTROLINTERVALSIZE(8192) )

/*
//*
//*  INITIALIZE THE WORK DATABASE
//*
//STEP1     EXEC DLIBATCH,MBR=IFUINIT,PSB=FTSPSBL,RGN=2048K
//STEPLIB   DD
//          DD DISP=SHR,DSN=II.TCUYPGM
```

Figure 2-55 Model JCL to Allocate and Initialize the Text Editor Work Database (Page 1 of 2)

```
//IEFRDER   DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
//SYSOUT    DD SYSOUT=*
//SYSPRINT  DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
8192,6
//FTSROOT   DD DSN=II.IDXFTS.ROOT,DISP=SHR
//FTSDESC   DD DSN=II.IDXFTS.DESC,DISP=SHR
//FTSRECS   DD DSN=II.IDXFTS.RECS,DISP=SHR
```

Figure 2-55 Model JCL to Allocate and Initialize the Text Editor Work Database (Page 2 of 2)

II.TCUYCNTL (DB2TXTIN)

Control Library member II.TCUYCNTL (DB2TXTIN) contains the following SQL statements to be input to SPUFI or to the "DSNTIAD" module in batch mode to create and initialize a Text Editor DB2 work database and its index.

```
CREATE TABLE II.DB2TXT_WORK
       (FTSKEY1         CHAR(8)            NOT NULL,
        FTSKEY2         SMALLINT           NOT NULL,
        FTSKEY3         CHAR(6)            NOT NULL,
        FTSSTATUS       CHAR(2)            NOT NULL,
        FTSDATA         VARCHAR(4000)      NOT NULL)
    IN DATABASE IIDB;

CREATE UNIQUE INDEX II.DB2TXT_INDEX
    ON II.DB2TXT_WORK
       (FTSKEY1 ASC, FTSKEY2 ASC, FTSKEY3 ASC)
        PCTFREE 0 CLUSTER;
 GRANT SELECT,UPDATE,INSERT,DELETE
             ON TABLE II.DB2TXT_WORK TO PUBLIC;

   INSERT INTO II.DB2TXT_WORK
         VALUES ('        ',0,'      ','  ',
                 '                                                  ');
```

Figure 2-56 SQL Statements to Create and Initialize a DB2 Text Editor Work Database

Defining and Initializing the AQF Work Database

Before AQF can be used, the AQF work database must exist and must be initialized using the IAOINIT utility.

II.TCUYCNTL (AQFINIT)

Control library member II.TCUYCNTL (AQFINIT) contains the following model JCL to allocate and initialize the AQF work database and its index. The size of the AQF work database depends on how many different users (LTERMs) will use AQF.

See Chapter 6, Programming and Operation Considerations, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*, for the AQF work database size considerations.

```
//* AQF WORK DATABASE ALLOCATION AND INITIALIZATION JCL:
 //*   - THIS JOB WILL DEFINE AN AQF WORK DATABASE TO VSAM AND
 //*     PERFORM AN INITIAL LOAD.
 //*
 //* BEFORE SUBMITTING THIS JOB:
 //*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
 //*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
 //*   - REPLACE ?????? IN THE DEFINE COMMAND WITH THE VOLUME SERIAL
 //*     NUMBER OF THE VOLUME ON WHICH THE SYSTEM DATABASE WILL RESIDE.
 //*   - THE SMP/E INSTALLATION MUST BE COMPLETE AND
 //*     THE DBDS AND PSBS MUST BE GENERATED.
 //*
 //*
 //* DEFINE THE AQF WORK DATABASE CLUSTER AND ITS INDEX TO VSAM
 //*
 //DEFINE   EXEC PGM=IDCAMS,REGION=500K
 //SYSPRINT DD SYSOUT=*
 //SYSIN    DD *
   DEFINE CLUSTER ( NAME(II.IXXAQF) -
                    VOLUMES(??????) -
                    TRACKS(10 1) -
                    NONINDEXED -
                    RECORDSIZE(4601,4601) -
                    CONTROLINTERVALSIZE(4608) )
   DEFINE CLUSTER ( NAME(II.IXXAQFIX) -
                    INDEXED -
                    KEYS(8,5) -
                    RECORDSIZE(14,14) -
                    CONTROLINTERVALSIZE(1024) -
                    FREESPACE(10 10) -
                    VOLUMES(??????) -
                    TRACKS(4 1) )
 /*
 //*
 //*  INITIALIZE THE AQF WORK DATABASE
 //*
 //INITDB  EXEC DLIBATCH,PSB=AQFPSBIN,MBR=IAOINIT,RGN=2048K
 //STEPLIB   DD
```

Figure 2-57 JCL to Allocate and Initialize the AQF Work Database (Page 1 of 2)

```
//          DD DISP=SHR,DSN=II.TCUYPGM
//IEFRDER   DD DUMMY,DCB=(BLKSIZE=4096,RECFM=VBS)
//DFSVSAMP DD *
2048,6
4096,6
8192,6
//IXXAQF    DD DISP=SHR,DSN=II.IXXAQF
//IXXAQFIX  DD DISP=SHR,DSN=II.IXXAQFIX
//SYSPRINT  DD SYSOUT=*
```

Figure 2-57 JCL to Allocate and Initialize the AQF Work Database (Page 2 of 2)

Defining and Initializing the VISION:Journey Download Database

Before using VISION:Journey, the VISION:Journey download database must exist and it must be initially loaded using IFUINIT utility.

The following JCL uses the same database as for the Text Editor IMS (DL/I) work database. If you have already defined the Text Editor IMS work database and you want to use the same database for both options, bypass this JCL. Otherwise, change the data set names in the following JCL before submitting it.

II.TCUYCNTL (IMSFTSIN)

Control library member II.TCUYCNTL (IMSFTSIN) contains the following model JCL to allocate and initialize the VISION:Journey download database.

```
//* VISION:JOURNEY/FTS FEATURE IMS DOWNLOAD DATABASE ALLOCATION
//* AND INITIALIZATION JCL:
//*   - THIS JOB DEFINES AND INITIALIZES THE IMS DOWNLOAD DATABASE
//*     TO VSAM. IT IS USED BY VISION:JOURNEY/FTS FEATURE
//*
//*                    ********NOTE********
//*     THIS DATABASE HAS THE SAME CHARACTERISTICS AS THE IMS WORK
//*     DATABASE USED BY THE TEXT EDITOR FACILITY AND IS SHARED
//*     (DEFAULT) BY THE TWO OPTIONS.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - VERIFY OR CHANGE THE SIZE OF THE DATA SETS (RECORDS PARAMETER)
//*     AS NEEDED.
//*   - REPLACE ?????? IN THE DEFINE COMMAND WITH THE VOLUME SERIAL
//*     NUMBER OF THE VOLUME ON WHICH THE DOWNLOAD DATABASE WILL RESIDE.
//*   - THE SMP/E INSTALLATION MUST BE COMPLETE AND THE DBDS AND
//*     PSBS GENERATED.
//*
//* DEFINE THE DOWNLOAD DATABASE CLUSTER TO VSAM
//*
//DEFINE   EXEC PGM=IDCAMS,REGION=500K
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
  DEFINE CLUSTER ( NAME(II.IDXFTS.ROOT) -
                   VOLUMES(??????) -
```

Figure 2-58 JCL to Allocate and Initialize the VISION:Journey Download Database (Page 1 of 2)

```
                  SPEED -
                  RECORDS(66 32) -
                  NONINDEXED -
                  RECORDSIZE(2553,2553) -
                  CONTROLINTERVALSIZE(2560) )

  DEFINE CLUSTER ( NAME(II.IDXFTS.DESC) -
                  VOLUMES(??????) -
                  SPEED -
                  RECORDS(72 24) -
                  NONINDEXED -
                  RECORDSIZE(2041,2041) -
                  CONTROLINTERVALSIZE(2048) )

  DEFINE CLUSTER ( NAME(II.IDXFTS.RECS) -
                  VOLUMES(??????) -
                  SPEED -
                  RECORDS(400 300) -
                  NONINDEXED -
                  RECORDSIZE(8185,8185) -
                  CONTROLINTERVALSIZE(8192) )
/*
//*
//*  INITIALIZE THE DOWNLOAD DATABASE
//*
//STEP1     EXEC DLIBATCH,MBR=IFUINIT,PSB=FTSPSBL,RGN=2048K
//STEPLIB   DD
//          DD DISP=SHR,DSN=II.TCUYPGM
//IEFRDER   DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
//SYSOUT    DD SYSOUT=*
//SYSPRINT  DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
8192,6
//FTSROOT   DD DSN=II.IDXFTS.ROOT,DISP=SHR
//FTSDESC   DD DSN=II.IDXFTS.DESC,DISP=SHR
//FTSRECS   DD DSN=II.IDXFTS.RECS,DISP=SHR
```

Figure 2-58 JCL to Allocate and Initialize the VISION:Journey Download Database (Page 2 of 2)

Defining a Test Application

Before VISION:Inquiry can be used, at least one application containing definitions for the test databases and your terminals must be added to the system database using the IIGEN utility. The source library member II.TCUYSRC (IIDMGEN) contains model definitions for a sample application containing all supplied test databases.

Review and edit this member carefully, checking these points:

- Application name matches one of your VISION:Inquiry online transactions
- Test databases are defined by the proper names
- The terminal definitions correctly describe your terminals and MFS definition

You can also add definitions for any user databases you wish to include for initial testing. If you choose not to install all of the test databases, delete the IIGEN definitions for the MAPGENs and their corresponding DIRECTORY NAME

MAPs that you will not use. Chapter 5, The Definition Process, in the *Advantage VISION:Inquiry for IMS and TSO Technical Reference Guide*, contains a full explanation of the IIGEN utility and the statements needed to define an application.

For native SQL syntax inquiries, you do not need to include the user DB2 table definitions (MAPGEN groups) in the system database and reference them in the DIRECTORY statement.

For VISION:Journey users, the source library member II.TCUYSRC (IIDMGEN) contains model definitions for the VISION:Journey download database. With VISION:Journey, you can run inquiries (such as the DISPLAY command) against the download database using this definition, and display information about the extracted data residing in the database which has not been downloaded yet. (See Chapter 6, Programming and Operation Considerations, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.)

If you do not have VISION:Journey or the FTS feature installed, delete the MAPGEN groups and corresponding DIRECTORY NAME reference for the FTS feature download data base in the member IIDMGEN.

II.TCUYCNTL (IMSELEM)

Control library member II.TCUYCNTL (IMSELEM) contains the following model JCL for application maintenance to an IMS (DL/I) system database.

```
//* SAMPLE DATABASE MAP GENERATION JCL FOR IMS SYSTEM DATABASE:
//*   - THIS JOB WILL RUN THE SYSTEM GENERATION AND MAINTENANCE
//*     UTILITY. IT MAY BE USED TO DEFINE THE TEST DATABASES/FILES
//*     IN AN IMS SYSTEM DATABASE.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - CHANGE II.TCUYSRC(IIDMGEN) AS NEEDED TO DEFINE THE
//*     APPLICATIONS, DATA BASES, AND TERMINALS YOU WILL BE USING.
//*   - THE JOB CONTAINED IN II.TCUYCNTL(IMSINIT) MUST BE COMPLETE.
//*
//*
//IIGEN    EXEC DLIBATCH,MBR=IIGEN,PSB=IIPSB02,RGN=2048K
//STEPLIB  DD
//         DD DISP=SHR,DSN=II.TCUYPGM
//IEFRDER  DD DUMMY,DCB=(BLKSIZE=1408,RECFM=VBS)
//IXXDB    DD DISP=SHR,DSN=II.IXXDB
//SYSPRINT DD SYSOUT=*
//DFSVSAMP DD *
2048,6
4096,6
//IXGERR   DD SYSOUT=*
//IXGOUT   DD SYSOUT=*
//SYSIN    DD DISP=SHR,DSN=II.TCUYSRC(IIDMGEN)
```

Figure 2-59 JCL for Application Maintenance to an IMS (DL/I) System Database

II.TCUYCNTL (DB2ELEM)

Control library member II.TCUYCNTL (DB2ELEM) contains the following model JCL for application maintenance to a DB2 system database.

```
//* SAMPLE DATABASE MAP GENERATION JCL FOR DB2 SYSTEM DATABASE:
//*   - THIS JOB WILL RUN THE SYSTEM GENERATION AND MAINTENANCE
//*     UTILITY. IT MAY BE USED TO DEFINE THE TEST
//*     DATABASES/FILES IN A DB2 SYSTEM DATABASE.
//*
//* BEFORE SUBMITTING THIS JOB:
//*   - ADD YOUR INSTALLATION'S JOB STATEMENT.
//*   - VERIFY OR CHANGE THE DSNAMES AS NEEDED.
//*   - VERIFY OR CHANGE THE DB2 SUB-SYSTEM, PLAN, AND TABLE NAMES IN
//*     PARM FIELD; OR YOU MAY OMIT THE PARM ENTIRELY IF THIS
//*     INFORMATION IS SPECIFIED AT SMP/E INSTALLATION TIME.
//*   - CHANGE II.TCUYSRC(IIDMGEN) AS NEEDED TO DEFINE THE
//*     APPLICATIONS, DATA BASES, AND TERMINALS YOU WILL BE USING.
//*   - THE JOB CONTAINED IN II.TCUYCNTL(DB2INIT) MUST BE COMPLETE.
//*
//*
//IIGEN    EXEC PGM=IIGEN,REGION=1500K,
//         PARM='TYPE=DB2,SSID=DSN,PLAN=II,NAME=DYLINQ.IISYSTEM'
//STEPLIB  DD DISP=SHR,DSN=II.TCUYPGM
//         DD DISP=SHR,DSN=DSN510.DSNLOAD
//SYSPRINT DD SYSOUT=*
//IXGERR   DD SYSOUT=*
//IXGOUT   DD SYSOUT=*
//SYSIN    DD DISP=SHR,DSN=II.TCUYSRC(IIDMGEN)
```

Figure 2-60 JCL for Application Maintenance to a DB2 System Database

Notes:

Using the IIGEN utility to re-create an existing directory causes the stored inquiries, stored functions, or both, to be deleted from the directory. To avoid losing stored inquiries or functions, do the following:

1. Run the IXUSQRY utility (discussed in Chapter 5, Utilities, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*) to copy the stored items to a sequential data set.
2. Run the IIGEN utility to recreate the directory.
3. Run the VISION:Inquiry batch version to restore the items from the sequential data set to the recreated directory.

Changing the Text Editor Parameters

The source library member II.TCUYSRC (CUYIEPRM) contains the parameters and the default values supplied which are used during Text Editor processing. Verify and modify the parameter values if you want. You should assemble and link the CUYIEPRM member using the member ASMEPARM in II.TCUYCNTL library. The created load module is placed in the target library II.TCUYPGM and is used in Text Editor online processing. You should not change the load module name, CUYIEPRM.

The parameters are:

IQMFS	Native mode MFS screen MOD name used to transfer the edited inquiry to the native mode when PASS or SAVE/PASS command of the Text Editor is used (7 characters). Default (EDITMFS).
EDITMAP	Text Editor main MFS screen MOD name for editing stored inquiries (7 characters). Default (TEXTMFS).
HELPMAP	Text Editor help MFS screen MOD name. An online Help which describes the Text Editor function and commands (7 characters). Default (TEXTHLP).
EDITTRN	Text Editor transaction code (8 characters). Default (IQED).
DB2NAME	Text Editor work table name if its type is DB2 (27 characters). Leaving this parameter as null (default), indicates that the type of the work database is IMS.
MAXLEN	The maximum length of the edited inquiry that the native MFS screen specified in IQMFS parameter accepts. Text Editor issues an error message if the inquiry does not fit in the native MFS screen. Default is 20*72 characters per line or 1440 characters.

Note: The Text Editor MFS screen MOD names specified in this member should match the names specified in Defining MFS Screen Formats on page 2-82.

Changing the MFS MOD Names of the AQF Screens

The default MOD names for all the AQF screens are defined in the source library member II.TCUYSRC (CUYIAMOD). These names correspond to the MOD names for the AQF MFS screens supplied in the source library.

The MOD names for the AQF MFS screens specified in Defining MFS Screen Formats on page 2-82 must match the names in CUYIAMOD. Do not change anything in CUYIAMOD, except the MOD names. A MOD name is defined in CUYIAMOD CSECT as an eight-character constant enclosed within quotation marks or within parentheses.

Use the control library member II.TCUYCNTL (ASMOMODS) as a model JCL to assemble and link the CUYIAMOD. The created load module is placed in the target library II.TCUYPGM and is used in AQF online processing. You should not change the load module name, CUYIAMOD.

Installing the PC Component of VISION:Journey

Installation procedures for the PC component of VISION:Journey are contained in the *VISION:Journey for Windows System Administrator's Guide*.

Step 17 - Verifying the Installation

Because VISION:Inquiry is designed primarily for online usage, the verification procedure is designed for the IMS online environment. However, the steps outlined in this section can be used in other environments: BMP, batch, and TSO.

The steps listed below are sufficient to determine if VISION:Inquiry is installed properly:

1. Verify that all components specified on the Installation Worksheets on page 2-1 are identified in your online system. Check the following:

   - DATABASE macros
   - APPLCTN/TRANSACT macros
   - PSBLIB JCL contains database PSB(s)
   - DBDLIB contains database DBD(s)
   - Online JCL contains databases to be accessed:
     - System database
     - PLANT and SKILL test databases
     - Text Editor IMS (DL/I) work database
     - AQF work database
     - User databases
   - MFSLIB contains MFS modules
   - RESLIB contains:
     - Randomizer, IXXRMODL (if using an IMS (DL/I) system database)
     - Randomizer, DFSHDC40, for the Text Editor work database (if using an IMS (DL/I) work database)

- PGMLIB contains:
  - II (contained in the online library), IIBMP, IITSO, and IIBATCH
  - INQEDIT (contained in the online library)
  - IAOI01 (contained in the online library)
  - CUYIAMSG (contained in the online library)
  - CUYIAMOD (contained in the online library)
  - CUYGCHK
  - CUYIEPRM (contained in the online library)
  - CUYSHDG
  - CUYSHMG (also contained in the online library)
  - CUYXEMSG (contained in the online library)
  - DIOSQLC (if using the DB2 option, it should also be contained in the online library)

Notes: For Step 1

- Sample IMS system generation macros for VISION:Inquiry and its options are provided in II.TCUYMAC (IMSGEN).
- Sample JCL to be added to your IMS MPP region is provided in the II.TCUYCNTL (IMSJCL).
- Rename the modules II, INQEDIT and IAOI01 to match the APPLCTN PSB names defined in the IMS System Generation Macro.

2. Verify that at least one of your online terminals is identified in the IIGEN LTERM statements. If you have completed Defining a Test Application on page 2-100, a terminal is already defined; otherwise see Defining Logical Terminals in Chapter 4 of the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*, for terminal definition.
3. Start the VISION:Inquiry system database, the Text Editor work database, and test databases online. (This should be done using the "/START DB" online command or some other method used in your installation.)

4. At this point, you are ready to invoke native VISION:Inquiry online. At your online terminal, clear the screen and enter:

   ```
   /FORMAT INQIMS
   ```

   If the MFS format is located in your test MFS library, you should enter:

   ```
   /TEST MFS
   ```

   to point to the test library before entering /FORMAT.

5. The response to step 4 should be a screen containing the literals:

   ```
   PAGE:        TRANCODE:             INQUIRY:
   ```

   After the TRANCODE field, enter a valid VISION:Inquiry transaction code. After the INQUIRY field, type:

   ```
   DISPLAY SYSTEM
   ```

   and press Enter.

   The response should be similar to this:

```
PAGE:         TRANCODE: II            INQUIRY: DISPLAY SYSTEM

VISION:Inquiry 6.5 FOR IMS                              ID: SAL000
SYSTEM DATABASE:           IMS: IXXDB
     FREE SPACE:   INDEX BYTES: 07290    DATA SEGMENTS: 00059
 DB2 CONNECTION:    IMS ATTACH
```

   or, for batch

```
VISION:Inquiry 6.5 FOR IMS                              ID: SAL000
SYSTEM DATABASE:           IMS: IXXDB
     FREE SPACE:   INDEX BYTES: 07290    DATA SEGMENTS: 0059
 DB2 CONNECTION:  SUBSYSTEM ID: DSN      PLAN NAME: II
```

   Note that IMS ATTACH, SUBSYSTEM ID: DSN and PLAN NAME: II are for DB2 licensed sites only.

The information displayed consists of:

- The title of your release
- Your release tape number (ID: SAL000; use this number to identify your installation tape whenever you contact Computer Associates Technical Support)
- The system database in use (IMS: DBD name or DB2: authid.tablename)
- The amount of free space remaining in the system database
- The type of connection to DB2 (using the SUBSYSTEM ID and PLAN NAME shown or IMS Attach for IMS online)

6. If step 5 is completed successfully and if the PLANT and SKILL test databases are installed, type over the INQUIRY entry with:

   ```
   DISPLAY PLANT PLANT.NAME EMP.NAME;;
   ```

   and press Enter.

   A successful display indicates that all components have been installed properly.

7. For a more thorough check, use the *Advantage VISION:Inquiry Reference Guide* and enter some of the inquiry examples shown. Try to enter one of each command identifier.

8. To test Text Editor, you must first save an inquiry in the native mode. Type over the INQUIRY entry with:

   ```
   DDI PLANT 'TEST1' DISPLAY PLANT PLANT.NAME EMP.NAME;;
   ```

   then press Enter.

   After successfully saving, type over the INQUIRY entry with

   ```
   EDITSQ PLANT 'TEST1';;
   ```

   and press Enter.

   The saved inquiry should be displayed in the Text Editor mode. You can now edit the inquiry and test the primary and line commands. See the *Advantage VISION:Inquiry Reference Guide* or information on these commands.

9. To test AQF, start the AQF work database online. Use the online command:

   ```
   /START DB;;
   ```

   or use whatever command or method applies at your installation.

   - At this point you are ready to invoke AQF. At your online terminal, clear the screen and enter your AQF transaction code, such as IIAQF, followed by a blank.
   - The response to Step 9 should be the Introduction screen of AQF which asks for the native VISION:Inquiry transaction code. Enter a valid VISION:Inquiry transaction code (the supplied transaction code is II) and press Enter. Follow the instructions on the AQF screens and try out a few sample queries from the *Advantage VISION:Inquiry for IMS and CICS Automatic Query Facility (AQF) User Guide*.

10. To verify VISION:Inquiry with Intraccess, check that the IMS Connect is installed and customized correctly to communicate with your IMS region through the IMS TCP/IP OTMA Connection (IMS TOC).

    Use the instructions from the Intraccess documentation to try some queries.

11. For the VISION:Journey host component, check if the following have been specified or installed correctly in your online system:

    - DATABASE macro for the download database
    - APPLCTN/TRANSACT macros for VISION:Journey host components
    - PSBLIB JCL contains VISION:Journey PSBs
    - DBDLIB contains download database DBD
    - Online JCL contains download database JCL to be accessed
    - MFSLIB contains the MFS modules for VISION:Journey
    - RESLIB contains randomizer for the download database (DFSHDC40)
    - The online library contains the VISION:Journey host programs (supplied as:
      DYLI0SS, DYLI010, DYLI020, and DYLI030).

12. Now you can start VISION:Journey.

13. If the output is not correct, check the following:

    - The APPL=name defined by IIGEN to the system database matches the IMS transaction code you are using
    - Your IMS logical terminal name is defined within the VISION:Inquiry application
    - Your vocabulary is not restricted
    - The ddnames and program names are consistent
    - All MFS screens were assembled and link edited correctly
    - The IMS randomizer is in an appropriate IMS library
    - The DB2 connection has been established correctly.

After completing the verification of your installation successfully, you can ACCEPT the elements of the VISION:Inquiry product into the distribution libraries.

Step 18 – ACCEPT the VISION:Inquiry Base Elements (SYSMODS) to the Distribution Libraries

In Step 18, you ACCEPT the VISION:Inquiry base software system elements (SYSMODS) into the distribution libraries.

Using the JCL in member IQSMPE#5 in the II.PREP.CNTL data set, run the job to ACCEPT VISION:Inquiry into the distribution libraries; this loads the VISION:Inquiry elements into the distribution libraries.

Note: Once you ACCEPT an element into the distribution libraries, there is no direct method for restoring the previous version of an element.

Step 19 – ACCEPT the Elements (SYSMODS) of the DB2 option to the Distribution Libraries

Note: If you do not have the DB2 option of VISION:Inquiry, skip to Step 20.

In Step 19, you ACCEPT the elements (SYSMODS) of the DB2 option of VISION:Inquiry into the distribution libraries.

Using the JCL in member IQSMPE#9 in the II.PREP.CNTL data set, run the job to ACCEPT the DB2 option of VISION:Inquiry into the distribution libraries. This loads the elements of the DB2 option of VISION:Inquiry into the distribution libraries.

Note: Once you ACCEPT an element into the distribution libraries, there is no direct method for restoring the previous version of an element.

Step 20 – ACCEPT the USERMOD for the DB2 option and/or the Journey feature to the Distribution Libraries

Note: If you are not installing the DB2 option or Journey feature, skip to Step 22.

In Step 20, you ACCEPT the USERMOD SYSMOD for the DB2 option and/or the Journey feature into the distribution libraries.

Using the JCL in member IQUSYS#3 in the II.PREP.CNTL dataset, run the job to ACCEPT the USERMOD into the distribution libraries.

Note: The member IQUSYS#3 is created every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQSYS01. If you are going to process this USERMOD more than once, you have to edit the member IQUSYS#3 and change the sysmod_id in the ACCEPT command according to the changes made to the sysmod_id in the member IQUSYS#1.

Once you ACCEPT an element into the distribution libraries, there is no direct method for restoring the previous version of an element.

Step 21 – ACCEPT the USERMOD for the Journey feature to the Distribution Libraries

Note: If you are not installing the Journey feature or have not changed the default names for the Journey load modules in the Installation Preparation Dialog, skip to Step 22.

In Step 21, you ACCEPT the USERMOD SYSMOD for the Journey feature into the distribution libraries.

Using the JCL in member IQUJRN#3 in the II.PREP.CNTL dataset, run the job to ACCEPT the USERMOD into the distribution libraries.

Note: The member IQUJRN#3 is created every time you go through the Product Features Panel of the Installation Preparation Dialog. The system modification identifier (sysmod_id) created for this USERMOD is always IQJRN01. If you are going to process this USERMOD more than once, you have to edit the member IQUJRN#3 and change the sysmod_id in the ACCEPT command according to the changes made to the sysmod_id in the member IQUJRN#1.

Once you ACCEPT an element into the distribution libraries, there is no direct method for restoring the previous version of an element.

Step 22 – ACCEPT the latest PTF SYSMODS into the Distribution Libraries

If you have applied any PTF using the member II.PREP.CNTL(IQ#PTF1) in Step 15 (see Step 15 – RECEIVE and APPLY the Latest PTF SYSMODS into the Global Zone and Target Libraries on page 2-65), use the member II.PREP.CNTL(IQPTF#2) to run the job to ACCEPT those PTFs into the distribution Libraries.

Note: Once you ACCEPT an element into the distribution libraries, there is no direct method for restoring the previous version of an element.

Customizations and Setups

In a software system as diverse as VISION:Inquiry, there are several capabilities and facilities that can be customized, set up, and tailored to meet specific environmental and operational requirements. The steps described in this section (Steps 23 thru 27) are optional, and the ones that apply to your site are dependent on how the software system and components are used.

Some customizations described in this section are done through SMP/E, such as APARs and User Exits. Some other customizations are done outside of SMP/E control and affect independent modules. The non-SMP/E customizations are directed to the target libraries or a copy of the target libraries.

Keep track of the various customization jobs that you perform. This may be important if you ever need to go back to the default VISION:Inquiry software system and rebuild your customized system.

Step 23 – APPLY Customizing APARs (Optional)

Prior to VISION:Inquiry version 6.5, PTFs were known as SMs or GSMs (General System Modifications). These types of patches apply to all systems and correct or enhance the software system.

In VISION:Inquiry, an SMP/E APAR is a customization to the system that satisfies a unique site requirement. Prior to version 6.5, these patches were known as RSMs (Restricted System Modifications). These type of patches only apply, if at all, to sites with unique requirements. If you previously installed RSMs with VISION:Inquiry, you may need to install the current release of the APARs into your new VISION:Inquiry version 6.5 system.

You can identify if any APAR/RSM modifications have been previously applied to your current VISION:Inquiry release which is prior to version 6.5 by looking at the output of the DISPLAY SYSTEM query or at the end of the output report generated by the IXUSTAT utility of the VISION:Inquiry. Any modification number that is between 51 and 99 is an APAR/RSM and a candidate for a comparable upgraded APAR for the current release. The modification numbers starting at 101 are the PTFs/GSMs.

Some common APARs for VISION:Inquiry, are delivered on the system tape and are downloaded in the II.PREP.CNTL dataset. The members in the II.PREP.CNTL datasets whose names start with APAR are some common APARs used in customer sites. Check the description of the APARs at the beginning of each member to see if it is suitable for your site or not.

For example, the member II.PREP.CNTL(APAR051) is required for parallel processing and when you are going to run inquiries in more than one region simultaneously.

In this release, the PTFs and APARs are identified using the following format:

IQnnnnn

where:

IQ indicates VISION:Inquiry engine

nnnnn is the Modification Number Identifier:

00051 to 00099 Numbers assigned to APARs, special patches

00101 to 00500 Numbers assigned to PTFs, general patches

The APAR control statements contain comments for each item that describes the situation addressed by the APAR. Review the description of any APAR you are considering for your system. Contact Computer Associates Technical Support if you have any questions, concerns, or if you just need more information regarding an APAR. See Contacting Computer Associates on page 1-11.

You can use the following model JCL members, provided in the II.PREP.CNTL dataset to RECEIVE, APPLY, RESTORE, and ACCEPT the APARs. The comments in the JCL members direct you to changes that you should make before running the job. At most sites, there are ISPF-driven facilities that can just as easily be used to perform these SMP/E processes.

JCL Member	Description
IQSMPE#A	RECEIVE a PTF or APAR into the Global Zone/Datasets.
IQSMPE#B	APPLY a PTF or APAR to the target libraries.
IQSMPE#C	ACCEPT a PTF or APAR to the distribution libraries.
IQSMPE#D	RESTORE (remove) a PTF or APAR from the target libraries.

Note: Once you ACCEPT an element, such as an APAR, into the distribution libraries, there is no direct method for restoring the previous version of an element.

The decision to APPLY and ACCEPT APARs is made at your site. As a rule, any APAR (formerly RSM) that is applied to your previous release of VISION:Inquiry is probably a standard part of your system. These would be the APARs that you can comfortably ACCEPT. If you are evaluating a new APAR, you probably should wait awhile before you ACCEPT the modification into your distribution libraries.

Step 24- User Exit Routines (Optional)

User Exits are logical points in the VISION:Inquiry system flow that you can interface to VISION:Inquiry with your own routines.

A dummy routine is installed with the VISION:Inquiry system for every user exit. You should incorporate your User Exit routines (if any) to the system as a USERMOD by using the SMP/E facility.

The detailed information about the User Exits, techniques to code the routines, and how to incorporate them to your system are discussed in Chapter 8, User Exits, in the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.

Step 25 – Customize the Parameter and Message Modules (Optional)

After you have completed Step 24, the SMP/E activities are finished and the target and distribution libraries are built for the VISION:Inquiry system. Only the installation of any future PTFs, APARs, or User Exits are done under the control of SMP/E.

All the subsequent customizing, tailoring, and setup tasks described in this step and the following steps are done outside the control of SMP/E and to the target libraries.

The VISION:Inquiry base and its components contain parameters, messages, options, and settings that can be tailored for each installation. The default values are contained in modules that can be modified, assembled, and link-edited as needed at any time. The customizations for these modules are done outside of the SMP/E control.

The default modules are delivered as source and executable load module with the system tape and loaded in the VISION:Inquiry target library. The sample JCL to assemble and link these modules are also provided in the VISION:Inquiry CNTL target library.

The names of the load modules are standard and cannot be changed.

The module names and their description are:

Module Name	Description
CUYGCHK	Changes Checkpoint Intervals in the IIGEN Utility
CUYSHMG	VISION:Inquiry Base Hard-Coded Messages
CUYSHDG	Utility Programs Report Headings
CUYXEMSG	Text Editor Hard-Coded Messages
CUYIEPRM	Text Editor Parameters
CUYIAMSG	AQF Hard-Coded Messages
CUYIAMOD	AQF MFS Mod Names

All the above load modules except CUYGCHK and CUYSHDG must be in the online load library. The name of the modules must be as shown above and cannot be changed.

Note: In addition to the above load modules, the load module DIOSQLC is also loaded to the program library during installation of the DB2 option of the product. DIOSQLC is required for processing DB2 tables and must also be available in the online library. The name of load module, DIOSQLC, cannot be changed.

The following sections describe the structure of each module and the way you can customize it.

Changing Checkpoint Intervals in IIGEN

When the system database maintenance utility IIGEN is executed, checkpoints are taken at intervals depending on which and how many commands have been executed. These intervals are specified in source library member II.TCUYSRC (CUYGCHK). The first full word specifies the number of commands of any type after which a checkpoint call is issued; each of the remaining full words specifies the number of occurrences of a specific command after which a checkpoint is taken. A value of "0" specifies that the associated count does not trigger checkpointing.

Use the control library member II.TCUYCNTL (ASMCHKI) as a model JCL to assemble and link the CUYGCHK.

Customizing the Hard-Coded Messages for VISION:Inquiry Base

The hard-coded messages, which are not stored in the system database are defined in source library members II.TCUYSRC(CUYSHMG).

- Do not change anything in this member except the text of the messages. The text can be changed to be longer than the existing one.
- The changed text should include the variable text insertion character (“#”) if, and only if, the original text included it.

Use control library member II.TCUYCNTL(ASMHMSG) as a model JCL to assemble and link the CUYSHMG.

Customizing the Utility Program Report Headings

The report headings produced by the programs IIGEN, IXULOAD, IXUSQRY, IXUSTAT, and IXUUNLD and the item labels produced by IXUSTAT are defined in the member II.TCUYSRC(CUYSHDG). The text of these headings and labels can be changed.

The headings in the CUYSHDG member preceded by a comment that specifies the heading belongs to which utility.

Use the control library member II.TCUYCNTL (ASMSHDG) for directions and JCL for this task.

Customizing the Messages for the Text Editor facility

The messages for the Text Editor facility of VISION:Inquiry is defined in source library members II.TCUYSRC(CUYXEMSG).

Do not change anything in this member except the text of the messages.

Use control library member II.TCUYCNTL(ASMEMSG) as a model JCL to assemble and link the CUYXEMSG.

Customizing the AQF Error Messages

The AQF error messages are defined in the source library member II.TCUYSRC (CUYIAMSG). Do not change anything in this member except the text of the messages. The text can be changed to be longer than the existing one; however, on the AQF screen, only one line is allocated for AQF error messages.

Use the control library member II.TCUYCNTL (ASMOMSG) as a model JCL to assemble and link the CUYIAMSG.

Note: The load modules, CUYIEPRM and CUYIAMOD, are discussed in Step 16 – Post-Installation on page 2-67.

Step 26 - DB2 Catalog Program (Optional)

The DB2 catalog program generates MAPGEN and FIELD statements for your DB2 tables and applies to sites with the VISION:Inquiry DB2 option only. The program is written in Assembler and uses the TSO Attach Facility of DB2 (that is, TSO Attach). For more information about how to use the program, see Using the DB2 Catalog Program in Chapter 4 of the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.

Installing the DB2 Catalog Program II.TCUYSRC (DB2CATA)

Source code for the DB2 catalog program is in II.TCUYSRC (DB2CATA). The program can be assembled and link edited using your standard DB2 procs. The TSO language interface module, DSNELI, must be included in the link edit step. The following sample JCL uses the standard DB2 assembly link edit procedure.

```
//ASSEMBLY JOB
//STEP1    EXEC DSNHASMH,USER=XXXXXXX,MEM=DB2CATA
//PC.SYSLIB    DD DUMMY
//PC.SYSIN     DD DSN=YOUR.SOURCE.LIBRARY(DB2CATA),DISP=SHR
//LKED.SYSLMOD DD DSN=YOUR.PROGRAM.LOAD.LIBRARY,DISP=SHR
//LKED.SYSIN   DD *
  INCLUDE SYSLIB(DSNELI)
  NAME DB2CATA(R)
/*
```

Figure 2-61 JCL for the DB2 Catalog Program

Next, the program must be bound into your DB2 system. The following JCL can be used to bind it.

```
//BIND JOB
//*  BEFORE EXECUTION CHANGE THE PLAN NAME
//*  DYIQTSO2 IF NECESSARY
//STEP1    EXEC PGM=IKJEFT01
//STEPLIB  DD DSN=YOUR.DB2.LOAD.LIBRARY,DISP=SHR
//DBRMLIB  DD DSN=YOUR.DBRM.LIBRARY,DISP=SHR
//SYSTSPRT DD SYSOUT=*
//SYSTSIN  DD *
   DSN SYSTEM(YOUR DB2 SUBSYSTEM ID)
   BIND PLAN(DYLQTSO2) MEMBER(DB2CATA) ACTION(REP) RETAIN -
        ISOLATION(CS)
   END
/*
```

Figure 2-62 JCL to Bind the DB2 Catalog Program

Step 27 - Installing the COBOL Converter (Optional)

The COBOL converter creates field definitions for your IMS (DL/I) database or VSAM data set. It generates IIGEN acceptable field definition statements from COBOL copy books in MVS Partitioned Data Set (PDS), CA-Librarian, and CA-Panvalet libraries. For more information about how to use this feature, see Using the COBOL Converter in Chapter 4 of the *Advantage* VISION:Inquiry *for IMS and TSO Technical Reference Guide*.

The COBOL converter is contained in the program library of VISION:Inquiry as a link edited load module.

If your COBOL copybooks reside in the MVS Partitioned Data Set (PDS), you can use the load modules without any customization.

Linking the COBOL Converter to Access CA-Panvalet or CA-Librarian

The VISION:Inquiry COBOL converter provides automatic access to CA-Librarian and CA-Panvalet source libraries. Before using this facility, you must link edit the COBOL definition generator with the appropriate interface module. This interface module (FAIR for CA-Librarian or PAM for CA-Panvalet) was included with your copy of the library system. It may also be necessary to apply a patch to INQCOBCV. This patch frees up extra memory for I/O buffers for the source library.

The following JCL links the interface with the COBOL definition converter. Select the link edit control statements for the library system you have.

```
//STEP02    EXEC PGM=IEWL,PARM='LET,LIST,XREF,NCAL',REGION=150K
//SYSPRINT  DD SYSOUT=A
//SYSUT1    DD UNIT=SYSDA,SPACE=(CYL,(2,1))
//LIBSYS    DD DSN=YOUR.LIB.MAINT.LOAD.LIBRARY,DISP=SHR
//SYSLMOD   DD DSN=YOUR.VISION:INQUIRY.LOAD.LIBRARY,DISP=SHR
//SYSLIN    DD *
     LINK EDIT CONTROL STATEMENTS
/*
```

Figure 2-63 JCL to Link the Interface with the COBOL Definition Converter

Note: You may have to replace INCLUDE LIBSYS(PAM) with several INCLUDEs. See your CA-Panvalet manual for what you may need.

The following are CA-Panvalet link edit control statements.

```
INCLUDE LIBSYS(PAM)
INCLUDE SYSLMOD(DYL280P)
ENTRY DYL280P
NAME DYL280P(R)
```

Note: You may have to replace INCLUDE LIBSYS(FAIR) with several INCLUDEs. See your CA-Librarian manual for what you may need. (Unresolved externals will occur when link editing the CA-Librarian interface.)

The following are CA-Librarian link edit control statements.

```
INCLUDE LIBSYS(FAIR)
INCLUDE SYSLMOD(DYL280L)
ENTRY DYL280L
NAME DYL280L(R)
```

Following the link of the interface, the COPYL/COPYP COBOL statements should operate correctly. If you run out of memory using COPYL/COPYP COBOL, apply one of the following patches to change the amount of memory available for buffers:

CA-Librarian	CA-Panvalet
NAME INQCOBCV FVCOPY	NAME INQCOBCV FVCOPY
VER 0B80 0000F000	VER 0B7C 0000F000
REP 0B80 yyyyyyyy	REP 0B7C yyyyyyyy

yyyyyyyy is the hexadecimal equivalent of the amount of memory to be released. The default is 60K.

The amount of memory required is the sum of the link edited size of DYL280L or DYL280P, and space equal to at least one block of your CA-Librarian or CA-Panvalet master file.

Maintenance and Support

During the life of a version of VISION:Inquiry, PTFs, formerly known as System Modifications (SMs), are developed to enhance, maintain, and customize the product and components. Any problems that arise are fixed by PTFs (SMs), which are numbered in sequence as they are developed for each release, beginning with 101. There are other patches called APARs, formerly known as Restricted System Modifications (RSMs), that are special customizations to the product and do not apply to all sites. The user should always review the APAR description carefully before applying them to a system.

PTFs and APARs are identified using the following format:

IQnnnnn

where:

IQ indicates VISION:Inquiry engine

nnnnn is the Modification Number Identifier:

00051 to 00099 Numbers assigned to APARs, special patches

00101 to 00500 Numbers assigned to PTFs, general patches

Example: IQ00200

Maintenance – Installing the PTFs and APARs

All PTFs and APARs are installed to VISION:Inquiry and its components under the control of SMP/E. The SMP/E process for handling PTFs and APARs has the following basic steps:

1. Record and save the PTF or APAR into the global zone using the RECEIVE command.
2. Use the APPLY command to install the PTF or APAR to the target libraries.
3. Use the ACCEPT command to install the PTF or APAR into the distribution libraries.

The PTFs are general modifications that are designed for all users and all systems. These should always be installed into VISION:Inquiry and its components in order to keep the system up to date. PTFs should be installed in both the Target and Distribution Libraries.

The APARs are special modifications that are designed for unique situations. The APARs do not apply to all users and systems. The PTFs and APARs supplied with the product tape are loaded to the II.PREP.CNTL dataset during the installation preparation. The member names start with PTF and APAR, respectively. The control statements in these members contain comments for each item that describe the situation addressed by the PTF or APAR. Review the description of any APAR you are considering for your system. Contact Computer Associates

Technical Support if you have any questions, concerns, or if you just need more information regarding an APAR. See Contacting Computer Associates on page 1-11.

When installing APARs, there may be some time between the APPLY to the target libraries and the ACCEPT to the distribution libraries. You should take this time to evaluate whether the APAR satisfies the special need for your system. If you decide that the APAR is not appropriate, you can use an SMP/E RESTORE command to remove the APAR from the target libraries. Additionally, you can use an SMP/E REJECT command to remove the APAR for the global zone.

Note: Once you ACCEPT an element, such as APAR or PTF, into the distribution libraries, there is no direct method for restoring the previous version of an element in your target libraries.

The II.PREP.CNTL dataset contains some model jobs for performing the various maintenance activities described above. Here are the member names and their functions:

JCL Member	Description
IQSMPE#A	RECEIVE a PTF or APAR into the Global Zone/Datasets.
IQSMPE#B	APPLY a PTF or APAR to the target libraries.
IQSMPE#C	ACCEPT a PTF or APAR to the distribution libraries.
IQSMPE#D	RESTORE (remove) a PTF or APAR from the target libraries.
IQSMPE#E	REJECT (remove) a PTF or APAR from the Global Zone/Datasets.

There are other Tools and Facilities that are available for invoking SMP/E commands and functions. Any of these will work because VISION:Inquiry only uses the standard SMP/E processes. The Systems Group at each site has their favorite tools and procedures, and any of those should work just fine.

Appendix

A Post-Installation Dialog

The Post-Installation step, described in Chapter 2, "Installation", can also be done using the TSO/ISPF dialog discussed in this Appendix and referenced as Post-Installation Dialog. The Post-Installation Dialog allows you to go through a series of panels and fill the information that is used to generate the jobs required to complete this step as opposed to edit the jobs in the Control library. Additionally, it creates a member that contains the macros needed to be added to your IMS system generation macros for the operation of the VISION:Inquiry.

The Post-Installation Dialog allows you to set up VISION:Inquiry test data and to modify most of the Post-Installation Dialog JCL and control statements to correspond to your production system.

- The installation panels referenced in this appendix require TSO and ISPF/PDF.
- It is essential to read Chapter 2, "Installation" in this guide before using the Post-Installation Dialog.
- It is recommended that you use both the worksheet and check list with the Post-Installation Dialog. The worksheet and check list (in Chapter 2, "Installation") will facilitate understanding the VISION:Inquiry options in the installation procedure.

How to Start the Post-Installation Dialog

To use the Post-Installation Dialog panels, you should be familiar with TSO and ISPF (Dialog Management Services). After completion of Step 15 – RECEIVE and APPLY the Latest PTF SYSMODS into the Global Zone and Target Libraries on page 2-65 that builds and loads your VISION:Inquiry target libraries, copy the libraries II.TCUYPLIB, II.TCUYMLIB, II.TCUYSLIB, and II.TCUYCLST, to your installation's corresponding ISPF libraries using the ISPF copy utility (3.3).

- The CLIST loaded from the tape has a fixed record and cannot be mixed with variable record CLISTs if you have any in your system. You should copy the members of the CLIST loaded from the tape to a variable record CLIST and then use it. The following settings are recommended:

```
DCB=(RECFM=VB,LRECL=255,BLKSIZE=1680),DSORG=PO,SPACE=(TRK,(2,1,10))
```

- Next, reallocate your ISPF libraries (logging on reallocates them). Within ISPF, choose Option 6 and enter the startup CLIST, CUYISTRT to begin the Post-Installation Dialog.

Post-Installation Dialog Tutorial

Each panel of the Post-Installation Dialog has online help. Press PF1 to access the Post-Installation Dialog Tutorial. Figure A-1 shows the first page of the online Tutorial.

```
TUTORIAL -------  VISION:Inquiry PRODUCT TYPE AND FEATURES  ----------TUTORIAL
SELECTION ===>
                     ---------------------------------
                    |       General Information       |
                    |    Product Type And Features    |
                     ---------------------------------

  This dialog generates the JCL required for post-install of VISION:Inquiry.
  A series of panels are displayed. Each panel displays appropriate
  defaults.  The user completes each panel as it pertains to the
  installation requirements. At the end of the dialog, JCL is generated.

  This first panel presents the different options that may be used with
  VISION:Inquiry. Choose the option, and everything needed for that
  option of VISION:Inquiry will be automatically generated. Your choices
  are VISION:Journey or FTS feature, or neither of the two options.

  You must also specify whether your VISION:Inquiry system has a DB2
  and/or VISION:Intraccess option or not.
  The DB2 and VISION:Intraccess options are licensed separately.

             (Continued On Next Panel - Press Enter)
```

Figure A-1 Tutorial - General Information

Post-Installation Dialog Panels

The Post-Installation Dialog panels present the online post-installation instructions for VISION:Inquiry.

- The JCL generated by these panels is not identical to the JCL examples in this guide.
- The number and content of the panels, which you will complete, depend on your selection in the Introduction panel and your response to the DB2 option specification.

  Do not attempt to load any VISION:Journey or DB2 option that you have not purchased.

The names of the panels are:

- Product Type and Features panel or Introduction panel
- Libraries panel
- Processing Parameters panel
- VISION:Journey Parameters panel
- VISION:Journey/FTS Parameters panel
- DB2 Parameters panel (3 variations)
- System Database Parameters panel
- Text Editor Parameters panel
- Automatic Query Facility panel
- AQF Base Screen Changes panel
- AQF Work Database panel
- Job Generation panel

Figure A-2 shows the first panel of the Post-Installation Dialog. The VISION:Inquiry Product Type and Features Panel is hereafter referred to as the Introduction panel.

```
----------------  VISION:Inquiry PRODUCT TYPE AND FEATURES  -------------------
COMMAND ===>

Installing VISION:Inquiry for IMS

Enter the option you are installing at this time:

    1  VISION:Inquiry with no FTS feature or VISION:Journey

    2  VISION:Inquiry with FTS feature

    3  VISION:Inquiry with VISION:Journey

VISION:Intraccess Option? (Licensed Separately)  ==> NO    ( NO, YES )

DB2 Option? (Licensed Separately)  ==> NO    ( NO, YES )

ENTER INSTALLATION'S HIGH LEVEL QUALIFIER(S):

    High Level Qualifier(s)  ==> II

Press END To Exit
```

Figure A-2 Introduction Panel

When using the Post-Installation Dialog, you can:

- Review the previous panel by pressing the End (PF3) key; or
- Go forward to the next panel by pressing Enter.

You must complete each panel in order. For instance, you may not complete the first and second panels and then go forward to the last panel (Job Generation).

```
_______________________________-  LIBRARIES  ________________________________
COMMAND ===>

  ENTER THE DATA SET NAMES USED AT YOUR INSTALLATION:

   Macro Library             ==> II.TCUYMAC
   Source Library            ==> II.TCUYSRC
   Object Library            ==> II.TCUYOBJ
   User Object Library       ==> II.USER.OBJLIB
   Program Load Library      ==> II.TCUYPGM
   Cntl Library              ==> II.TCUYCNTL

   PL/I Resident Library     ==> SYS1.PLIBASE
   PL/I Common Res. Library ==> SYS1.SIBMBASE

  NOTE: IF NO PL/I COMMON LIBRARY, SPECIFY PL/I RESIDENT LIBRARY FOR BOTH.
        IF USING LANGUAGE ENVIRONMENT, REPLACE PL/I LIBRARIES WITH
        LANGUAGE ENVIRONMENT LIBRARIES, SIBMCALL & SCEELKED.

   IMS Resident Library      ==> IMSVS.RESLIB

   DB2 Link Library          ==> DSN510.SDSNLOAD
   DBRM Supplied Library     ==> DSN510.RUNLIB.LOAD
  Press END For Prior Panel ENTER To Save
```

Figure A-3 Libraries Panel

DB2 Link Library and DBRM Supplied Library lines in Figure A-3 only appear if you select the DB2 option (DB2 Option? ==>YES) in the Introduction panel (see Figure A-2 on page A-4). For the DB2 Option? ==>YES, if the source library you choose on this panel does not contain the DB2 DBRM member, INQDBRM, an error message is issued.

When you press Enter, the Post-Installation Dialog saves selections and displays the next panel. These selections become statements in the post-installation JCL.

Returning to a previous panel by pressing the End (PF3) key cancels the previously saved selections. The message NOT SAVED appears in the top right corner.

```
---------------------------  PROCESSING PARAMETERS  ----------------------------
COMMAND ===>

    ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:

  MPP Transaction Name      ==> II        ( Please define in SYSGEN )
      Entry Point Name      ==> II

  BMP Transaction Name      ==> IIBMP     ( Please define in SYSGEN )
      Entry Point Name      ==> IIBMP

  System Database Type      ==> IMS       ( IMS, DB2 )

  Demo Database Type        ==> IMS       ( IMS, VSAM, or DB2 )

  Demo Volume Serial        ==>           ( Optional if Demo type is DB2 )

  Unit Name                 ==> SYSDA

  Text Editor Work Database Type  ==> IMS   ( IMS or DB2 )


  Press END For Prior Panel  ENTER To Save
```

Figure A-4 Processing Parameters Panel

See the Index to find more information on such topics as IMS/DC generation and the system database type. The term “Demo Database” (seen in the Post-Installation Dialog) is the same as the terms “test data” and “test databases” used in this document.

```
-------------------------  VISION:Journey PARAMETERS  -------------------------
COMMAND ===>

    ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:


  Native VISION:Inquiry MFS MOD name used          ==> ODYMFS
  NOTE: The MFS name is optional but recommended. Erase if
        the existing one is used.


  Load module names:


  First module name     ==> DYLI0SS        ( Please define in SYSGEN )


  Second module name    ==> DYLI010        ( Please define in SYSGEN )




  Press END For Prior Panel  ENTER To Save
```

Figure A-5 VISION:Journey Parameters Panel

The above panel appears if you select option 3 (VISION:Journey) in the Introduction panel (see Figure A-2 on page A-4).

See the Index to find more information about the VISION:Journey components.

```
──────────────────  VISION:Journey/FTS Feature PARAMETERS  ──────────────
COMMAND ===>

    ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:

  Transaction Code Base ==> FTS          ( 1 and 3 will be appended to the
                                           base name. Please define in SYSGEN )
  MFS Screen Name       ==> IDFTSP7

  Parameters for the download database follow:
  Note:  Database type is IMS.

  DBD Name              ==> IDXFTS
  Device Type           ==> 3390
  ROOT DD Name          ==> FTSROOT
       DSN Name         ==> II.IDXFTS.ROOT
       Volume Serial    ==>
  DESC DD Name          ==> FTSDESC
       DSN Name         ==> II.IDXFTS.DESC
       Volume Serial    ==>
  RECS DD Name          ==> FTSRECS
       DSN Name         ==> II.IDXFTS.RECS
       Volume Serial    ==>
 Press END For Prior Panel  ENTER To Save
```

Figure A-6 VISION:Journey/FTS Parameters Panel

The above panel appears if you select option 3 (VISION:Journey) or option 2 (FTS) in the Introduction panel (see Figure A-2 on page A-4).

```
──────────────────────────── DB2 PARAMETERS  ────────────────────────────
COMMAND ===>

    ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:


 Subsystem ID          ==> DSN

 Plan Name             ==> II

 Version and Release   ==> 51









Press END For Prior Panel  ENTER To Save
```

Figure A-7 DB2 Parameters Panel (with no DB2 System, DB2 Text Editor, or DB2 Test Databases)

Note: DB2 users do not need to enter SPUFI to issue SQL statements, such as GRANT. The Post-Installation Dialog inserts these statements into the created jobs.

The above panel appears if you select 'YES' for the DB2 Option? on the Introduction panel (see Figure A-2 on page A-4) and you do not select any of the following: a DB2 system database type, a DB2 Text Editor work database type, or a DB2 test database type on the Processing Parameters panel (see Figure A-4 on page A-6).

```
──────────────────────────  DB2 PARAMETERS  ──────────────────────────────-
COMMAND ===>

  ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:

 Subsystem ID                ==> DSN

 Plan Name                   ==> II

 Version and Release         ==> 51


 Authid Name                 ==> DYLINQ

 DATABASE Name               ==> IIDB

 Press END For Prior Panel  ENTER To Save
```

Figure A-8 DB2 Parameters Panel (with an IMS System Database, an IMS Text Editor Work Database, and DB2 Test Databases)

The above panel appears if you select 'YES' for DB2 Option? on the Introduction panel (see Figure A-2 on page A-4) and you specify DB2 as the test database type, but do not specify DB2 as the system database type nor as the Text Editor work database type on the Processing Parameters panel (see Figure A-4 on page A-6).

```
──────────────────────────  DB2 PARAMETERS  ──────────────────────────
 COMMAND ===>

   ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:
   NOTE: SYSTEM'S AUTHID ALSO USED AS THE FIRST QUALIFIER
         FOR THE DEMO TABLE NAMES.

 Subsystem ID                ==> DSN

 Plan Name                   ==> II

 Version and Release         ==> 51

 System DB Table Name        ==> DYLINQ.IISYSTEM         ( Authid.Name )
 System DB Index Name        ==> DYLINQ.IIINDEX          ( Authid.Name )

 Text Editor Work Table Name ==> II.DB2TXT_WORK          ( Authid.Name )
 Text Editor Work Index Name ==> II.DB2TXT_INDEX         ( Authid.Name )

 DATABASE Name               ==> IIDB


 Press END For Prior Panel  ENTER To Save
```

Figure A-9 DB2 Parameters Panel (with a DB2 System Database, a DB2 Text Editor Work Database, or both)

Note: DB2 users do not need to enter SPUFI to issue SQL statements, such as GRANT. The Post-Installation Dialog inserts these statements into the created jobs.

Notes:

- The above panel displays if you select 'YES' for the DB2 Option on the Introduction panel and you specify DB2 as the system database type, or you specify DB2 as the Text Editor work database type on the Processing Parameters panel.
- The System DB Table Name and System DB Index Name lines only appear if you select DB2 as the system database type on the Processing Parameter panel.
- The Text Editor Work Table Name and Text Editor Work Index Name lines only appear if you select DB2 as the Text Editor work database type on the Processing Parameter panel.

```
_____________________  SYSTEM DATABASE PARAMETERS ____________________
COMMAND ===>


ENTER ANY MODIFICATIONS TO IMS SYSTEM DATABASE:
NOTE: 1ST DATA SET QUALIFIER ALSO USED FOR DEMO DSNAMES.

  DBD Name              ==> IXXDB

  Device Type           ==> 3390

  Volume Serial         ==>

  DD Name               ==> IXXDB

  Dataset Name          ==> II.IXXDB


 Press END For Prior Panel  ENTER To Save
```

Figure A-10 System Database Parameters Panel

The above panel displays if you select IMS as the system database type.

```
_____________________  TEXT EDITOR PARAMETERS  ____________________________
COMMAND ===>

     ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:

   Transaction Name   ==> IQED          ( Please define in SYSGEN )
   Load Module Name   ==> INQEDIT       ( Please define in SYSGEN )
   MFS Main Screen    ==> TEXTMFS         MFS Help Screen    ==> TEXTHLP
   Native MFS Screen  ==> EDITMFS         Maximum Length     ==> 20*72

   Parameters for the Text Editor IMS work database follow:


   DBD Name    ==> IDXFTS              Device Type    ==> 3390
   ROOT DD Name          ==> FTSROOT
        DSN Name         ==> II.IDXFTS.ROOT
        Volume Serial    ==>
   DESC DD Name          ==> FTSDESC
        DSN Name         ==> II.IDXFTS.DESC
        Volume Serial    ==>
   RECS DD Name          ==> FTSRECS
        DSN Name         ==> II.IDXFTS.RECS
        Volume Serial    ==>
  Press END For Prior Panel  ENTER To Save
```

Figure A-11 Text Editor Parameters Panel if the Text Editor Work Database Type is IMS

The above panel displays if you select IMS as the Text Editor work database type in the Processing Parameters panel.

```
_____________________  TEXT EDITOR PARAMETERS  ______________________________
COMMAND ===>

    ENTER ANY MODIFICATION REQUIRED AT YOUR INSTALLATION:

  Transaction Name   ==> IQED          ( Please define in SYSGEN )
  Load Module Name   ==> INQEDIT       ( Please define in SYSGEN )
  MFS Main Screen    ==> TEXTMFS         MFS Help Screen    ==> TEXTHLP
  Native MFS Screen  ==> EDITMFS         Maximum Length     ==> 20*72









  Press END For Prior Panel  ENTER To Save
```

Figure A-12 Text Editor Parameters Panel if the Text Editor Work Database Type is DB2

The above panel displays if you select DB2 as the Text Editor work database type in the Processing Parameters panel.

```
_____________________-  AUTOMATIC QUERY FACILITY  ______________________________
COMMAND ===>

    THE ABILITY TO USE THE AUTOMATIC QUERY FACILITY (AQF) IS THE DEFAULT.
    SPECIFY "NO" IF YOU DO NOT WISH TO USE AQF.

    NOTE: CHANGING THE AQF FIELD CAUSES THE PANEL TO REDISPLAY WITH
    THE APPLICABLE NATIVE VISION:Inquiry SCREEN NAME DEFAULT.

    Automatic Query Facility (AQF)  ==> YES


    ENTER MODIFICATIONS TO THE FOLLOWING:

    Native Mode MFS Screen          ==> AQFIMS

    AQF Transaction Name            ==> IIAQF   ( Please define in SYSGEN )

    AQF Load Module Name            ==> IAOI01  ( Please define in SYSGEN )


  Press END For Prior Panel  ENTER To Save
```

Figure A-13 Automatic Query Facility Panel

If you specify NO for AQF entry, the previous panel re-displays without the AQF transaction name and load module name entries. When you press Enter again, you proceed directly to the Job Generation panel.

```
_____________________________   AQF BASE SCREEN CHANGES  ____________________
COMMAND ===>

AQF Base Screen Names ==> AQFM  And ==> AQFH (Suffix values are fixed.)
    AQF Introduction               AQFM01
    AQF DB/File Select             AQFM02
    AQF DB/File View               AQFM02A
    AQF Field Selection            AQFM03
    AQF Field View                 AQFM03A
    AQF Temporary Field            AQFM04
    AQF Qualification              AQFM05
    AQF Data Display               AQFM06
    AQF Stored Query               AQFM07, AQFM07B
    AQF Delete Stored Query        AQFM07A
    AQF Reentry Screen             AQFM10
    AQF Help Introduction          AQFH01
    AQF Help DB/File Select        AQFH02
    AQF Help Field Selection       AQFH03
    AQF Help Temporary Field       AQFH04
    AQF Help Qualification         AQFH05
    AQF Help Data Display          AQFH06
    AQF Help Stored Query          AQFH07
    AQF Help Reentry Screen        AQFH10

 Press END For Prior Panel  ENTER To Redisplay Changes or To Save
```

Figure A-14 AQF Base Screen Changes Panel

This panel appears if you specified YES in the Automatic Query Facility panel.

```
_____________________________   AQF WORK DATABASE PARAMETERS  ________________
COMMAND ===>

    ENTER ANY MODIFICATIONS REQUIRED AT YOUR INSTALLATION:
    NOTE: DATABASE TYPE IS IMS.

 PARAMETERS FOR THE AQF WORK DATABASE FOLLOWS:

  DBD Name             ==> IXXAQF
  Device Type          ==> 3390
  Volume Serial        ==>
  DD Name              ==> IXXAQF
  Dataset Name         ==> II.IXXAQF

 PARAMETERS FOR THE AQF INDEX DATABASE FOLLOWS:

  DBD Name             ==> IXXAQFIX
  Device Type          ==> 3390
  Volume Serial        ==>
  DD Name              ==> IXXAQFIX
  Dataset Name         ==> II.IXXAQFIX

 Press END For Prior Panel  ENTER To Save
```

Figure A-15 AQF Work Database Parameters Panel

See the Index to find more information about the AQF work database.

Press Enter. You will experience a wait of 30 to 40 seconds while the Post-Installation Dialog creates your installation JCL.

When the JCL has been generated, the Post-Installation Dialog displays the Job Generation panel in Figure A-16.

```
──────────────────────────  JOB GENERATION  ──────────────────────────────-
 COMMAND ===>

THE FOLLOWING JOBS HAVE BEEN CREATED AS MEMBERS WITHIN THE
     II.TCUYCNTL LIBRARY:

     Job 1    ==> IQJOB1     ( Creates VISION:Inquiry load modules )

     Job 2    ==> IQJOB2     ( Creates VISION:Inquiry MFS )

     Job 3    ==> IQJOB3     ( Creates the system and work databases )

     Job 4    ==> IQJOB4     ( Defines and loads the demo data sets )

     Job 5    ==> IQJOB5     ( Contains the required IMS installation macros)




  Press END or ENTER To Go To The First Panel
```

Figure A-16 Job Generation Panel

Five jobs are generated by the Post-Installation Dialog:

- IQJOB1, 2, and 3 must be run for post-installation of VISION:Inquiry and its options.
- IQJOB4 (installation of the VISION:Inquiry demo) is optional.
- IQJOB5 contains:
  - The IMS system generation macros for definition of VISION:Inquiry and its options to IMS.
  - The DD statements of the databases, which should be added to your MPP region JCL.

You can either use the DD statements or the DFSMDA (dynamic allocation) macros to define the databases to your IMS system.

Notes: Read the following notes prior to running any job.

- Jobs 1 through 4 must be run in consecutive order. That is, Job 2 cannot be run before Job 1. Job 3 cannot be run before Job 2, and so on.
- You can treat these jobs as sample JCL, modifying them or using them to create JCL specific to your installation.

Before executing the jobs created by the dialog, customize the JOB statement. Read the following notes and add any customization required by your installation.

- Job 1 will create 2 load modules in the program library, the Text Editor parameters, and the AQF MFS MOD names. You must move these modules to your online VISION:Inquiry library.
- Job 2 will generate the MFS screens used by native VISION:Inquiry, the Text Editor, AQF, and VISION:Journey depending on the options selected on the panels. It also changes the MFS names based on the information entered on the panels. The supplied native VISION:Inquiry MFS (INQIMS) and (INQUDO) will be generated by Job 2 by default.

  To change the default MFS MOD names, Job 2 JCL should be modified accordingly.
- For IMS users, the PSB names and the IMS demo DBD names in Job 3 are the default names.
- The PSB names for the utility programs used by native VISION:Inquiry, the Text Editor, AQF, and VISION:Journey are the default names in Job 3.

- For IMS (DL/I) test databases, the data set names in Job 4 are the default names with the high level qualifier specified for the system database data set name as a prefix. The device type and the DBD names in Job 3 and the ddnames in Job 3 and Job 4 are the default values.
- If you are using IMS (DL/I) databases on your system, the last step in Job 3 is the ACBGEN, which builds the PSBs only. If the DBDs generated by Job 3 are replacing the existing DBDs in your DBDLIB, then a BUILD DBD control statement must be added for the DBDs to the ACBGEN step.
- For VSAM test data sets, the ddnames in Job 4 are the default names. The data set names in Job 4 are the default names with the high qualifier specified for the system database data set name as a prefix.
- The dialog panels allow you to create only one type of test system (an IMS (DL/I) test database, DB2 test table or view, or VSAM test data set). If you want to create additional test systems, do the following:
  - Rename Job 4 and Job 5 created by the dialog panel IQJOB4 and IQJOB5 in the control library II.TCUYCNTL. If your first selection for a test system was IMS, rename Job 3 IQJOB3 also.
  - Rerun the Post-Installation Dialog steps, selecting the additional test system.
  - If your first selection for a test system was IMS, merge the DBDGENs for the IMS (DL/I) test databases (PLANT and SKILL) and the PSBGENs for loading and accessing the IMS test databases from the old (renamed) Job 3 to the existing Job 3.
  - Copy all but the last step of the old (renamed) Job 4 to the existing Job 4. Merge all the MAPGEN group statements for the last step of the old (renamed) Job 4 to the existing Job 4 and also change the DIRECTORY statement to include all the map names.
  - Execute the created jobs, Job 1 through Job 4.
- Compare the old (renamed) Job 5 to the existing Job 5 and remove the duplicate entries. Add the entries to your IMS system.
- Job 3 and Job 4 use the module "DSNTIAD" and plan "DSNTIAvr" (vr is the DB2 version and release specified in DB2 Parameters panel) to process SQL statements in batch mode (that is, GRANT, CREATE, and so on). If the plan name in your installation has been changed, make the same change in Job 3 and Job 4.
- The index names for the DB2 test tables generated in Job 4 are the default names. The DB2 test table names generated in Job 4 have the default names with the prefix based on the following conditions:
  - Same prefix as the system database name, if it is DB2.
  - Same prefix as the Text Editor work database name, if it is DB2.
  - The authorization ID specified on the DB2 panel.

- The values of all the default (supplied) names can be found in the installation worksheet in Chapter 2, "Installation".

The tutorial panels, shown in Figure A-17, display information about the job steps created in the generated jobs.

```
TUTORIAL ----------------------  JOB GENERATION  ----------------------TUTORIAL
SELECTION ===>
                     -----------------------------------
                     |         Job Generation          |
                     -----------------------------------

  This panel displays the names of the five jobs created as members within the
  Cntl library specified on the VISION:Inquiry Libraries panel. The first
  four jobs must be run in the order presented and only the fourth job is
  optional. The fifth member contains the necessary IMS stage 1 installation
  macros and the dynamic allocation macros for the IMS data bases based on
  the options selected on the dialog panels. For the first four jobs, all the
  steps are followed by abend steps that abort the job with an intentional
  S806. These abend steps execute only if the previous steps complete with
  an unacceptable return code. The conditional parameter on each abend
  step determines what is acceptable on the previous step.  The jobs
  use IBM supplied procs, (DBDGEN, PSBGEN, DLIBATCH, ACBGEN, DSNHASMH). These
  procs may require JCL modifications if your company has changed these procs.
  Following is a brief description of each job:


              (Continued On Next Panel - Press Enter)
```

```
TUTORIAL --------------------  JOB GENERATION  ----------------------TUTORIAL
SELECTION ===>


   Job 1: JCL required to assemble and link the Text Editor parameter
       load module and the AQF Mod names load module.
       Each step within the job is documented. The JCL generated is
       dependent on the features requested. Following is the JCL generated:


        a) CUYIEPRM - Specifies the Text editor parameters.

        b) CUYIAMOD - Specifies the AQF messages and mod names. This step will
                      only be run if AQF has been specified within the dialog.









              (Continued On Next Panel - Press Enter)
```

Figure A-17 Tutorial - Job Generation Panel (Page 1 of 3)

```
TUTORIAL --------------------  JOB GENERATION  -----------------------TUTORIAL
SELECTION ===>

   Job 2: JCL required to assemble and link the MFS screens:

        a) MFSGEN   - A proc that assembles and links the MFS screens.

 Note: Any reference to the "Download File" means the staging file used
       by FTS feature or VISION:Journey.

   Job 3: JCL required to define, initialize and load the System, Download
       File, Text Editor work dataset, and AQF Work datasets. This job also
       assembles and links the data base definitions (DBDs), and program
       specification blocks (PSBs) if any of the above datasets are defined
       as IMS.  If your product has the DB2 option, the binds and grants to
       the VISION:Inquiry DB2 plan and catalog are included. The JCL
       generated is dependent on the product requested. The JCL steps are
       divided into two possible data base types - IMS and DB2.


             (Continued On Next Panel - Press Enter)
```

```
TUTORIAL --------------------  JOB GENERATION  -----------------------TUTORIAL
SELECTION ===>

       For IMS data bases the following job steps may be generated:

        a) DBDGEN(S) - Assembles and links the DBDs for the data bases.
        b) PSBGEN(S) - Assembles and links the PSBs for the data bases.
                       PSBs documented within the JCL generated.
        c) ACBGEN    - Builds the IMS control blocks within the ACB library.
        d) DLETExxx  - Deletes the data base clusters used for System, AQF,
                       Text Editor, and/or FTS/Journey.
        e) DFINExxx  - Defines the data base clusters used for System, AQF,
                       Text Editor, and/or FTS/Journey.
        f) IIINIT    - Initializes the System data base.
        g) INITxxx   - Initializes the AQF, Text Editor, and/or FTS/Journey
                       data bases.
        h) IIGEN     - Loads the standard error messages and system vocabulary


             (Continued On Next Panel - Press Enter)
```

```
TUTORIAL --------------------  JOB GENERATION  -----------------------TUTORIAL
SELECTION ===>

       For DB2 data bases the following job steps may be generated:

        a) BIND     - Binds the VISION:Inquiry DB2 plan.
        b) GRANTDB2 - Grants execute on VISION:Inquiry DB2 plan to public.
        c) CREATE   - Creates the table and index for the System data base.
        d) GRANTTAB - Grants System data base to public.
        e) IIINIT   - Initializes the System data base.
        f) IIGEN    - Loads the standard error messages and system vocabulary.
        g) DB2TXT   - Creates the table and index for the Text Editor table.
        h) GRANTTXT - Grants Text Editor table to public.




             (Continued On Next Panel - Press Enter)
```

Figure A-17 Tutorial - Job Generation Panel (Page 2 of 3)

```
TUTORIAL --------------------  JOB GENERATION  ----------------------TUTORIAL
SELECTION ===>

   Job 4: JCL required to define, initialize and load the Demo datasets. This
       job also defines the Demo datasets, terminals, and the VISION:Journey/
       FTS feature Download File to the System data base. Definitions supplied
       to the System data base will be for the dataset type selected. This job
       is optional but is recommended. The following JCL steps are generated:

        a) DLETVSMP  - Deletes the VSAM Demo datasets.
        b) VSAMDEMO  - Creates, initializes, and loads the non-hierarchical
                       VSAM Demo datasets.
        c) VSMHDEMO  - Creates hierarchical VSAM Demo datasets.
        d) IVDEMO    - Loads the hierarchical VSAM Demo datasets.
        e) DELETE    - Deletes the IMS Demo data base clusters.
        f) DEFINE    - Defines the IMS Demo data base clusters.
        g) IIDEMO    - Initializes and loads the IMS Demo data bases. DBDs
                       and PSBs created in previous job.
        h) CREATE    - Creates and loads the DB2 DEMO tables, views, and
                       indexes.
        i) GRANT     - Grants the DB2 Demo tables.

             (Continued On Next Panel - Press Enter)
```

```
TUTORIAL --------------------  JOB GENERATION  ----------------------TUTORIAL
SELECTION ===>

        j) IIGEN     - Generates the terminals, Demo dataset definitions, and
                       Download File definition needed to be supplied to
                       the System data base. Definitions are included only for
                       files/options selected.

   Job 5: The APPLCTN, TRANSACT, and DATABASE macros as input to the IMS
       stage 1 installation processing and the dynamic allocation macros,
       DFSMDA , for the IMS data bases.
       The macros are generated based on the options selected on the dialog
       panels. You may need to make changes to the macros according to your
       IMS installation requirements.




 Enter END or press  PF3 to continue dialog.
```

Figure A-17 Tutorial - Job Generation Panel (Page 3 of 3)

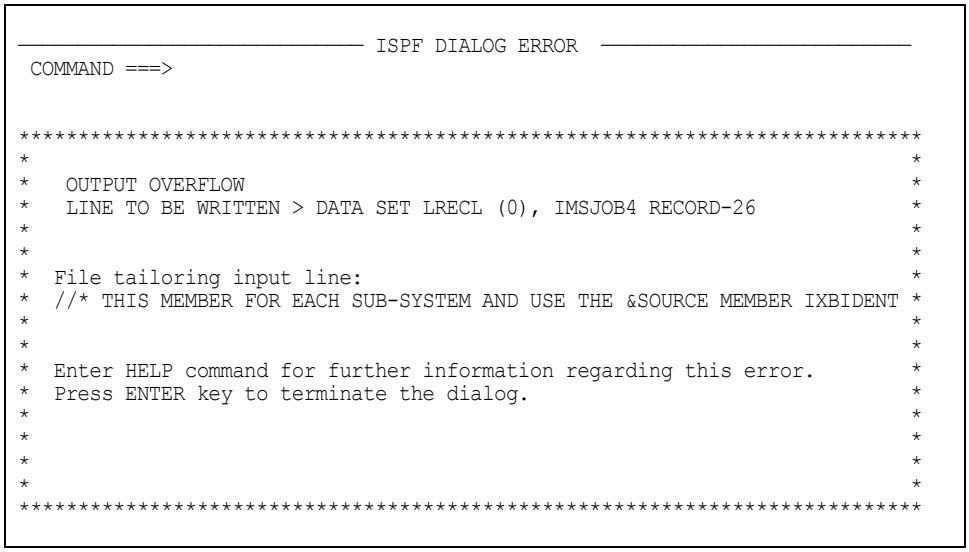

Figure A-18 Error Message from the ISPF Editor

Figure A-18 is an example of an ISPF error message. Check your IBM ISPF manuals for a list of error messages and diagnostics.

Appendix

B VISION:Inquiry Target and Distribution Libraries

This appendix contains the information about the content of the VISION:Inquiry target and distribution libraries. It also lists the members in the source and control libraries with a brief description about each member.

The following table shows the default name of the target and distribution libraries:

Target Library Name	Distribution Library Name	Contains
II.TCUYCNTL	II.DCUYCNTL	Sample JCls for Post-Installation and maintenance of the system
II.TCUYMAC	II.DCUYMAC	Macros for customization, exit routines, and building MFS screens
II.TCUYPGM	II.DCUYPGM	VISION:Inquiry load modules
II.TCUYSRC	II.DCUYSRC	Source for various control blocks, data for test systems, source for MFS screens, and error messages, and vocabulary
	II.DCUYOBJ	VISION:Inquiry object modules in the link-edited format
II.TCUYCLST	II.DCUYCLST	CLISTs for Post-Installation Dialog
II.TCUYMLIB	II.DCUYMLIB	Messages for Post-Installation Dialog
II.TCUYPLIB	II.DCUYPLIB	Panels for Post-Installation Dialog
II.TCUYSLIB	II.DCUYSLIB	Skeleton JCLs for Post-Installation Dialog

Source Library

The source library contains the following members

AQFHnn	Source for generating MFS formats for AQF
AQFIMAn	MFS copy library members used in generating MFS formats for AQF screens (AQFIMS)
AQFIMS	Source for generating MFS formats for AQF
AQFIMS2	MFS copy library member used in generating MFS formats for AQF screens (AQFIMS)
AQFMnn	Source for generating MFS formats for AQF
AQFMnnA AQFMnnB AQFPSB	Sample PSB for using AQF
AQFPSBIN	Sample PSB for initializing the AQF work database using the IAOINIT utility
DB2CATA	DB2 catalog program
DJCSECT	VISION:Journey load module names (DYLI010, DYLI020, and DYLI030) CSECT
EDITMFS	Source for generating MFS formats for the Text Editor
FTSMFS	Source for generating MFS formats for VISION:Journey
FTSPSBC	Sample PSB for cleanup of the Text Editor IMS (DL/I) work database and the VISION:Journey download database
FTSPSBL	Sample PSB for initializing the Text Editor IMS (DL/I) work database and the VISION:Journey download database
CUYIAMSG	AQF messages
CUYIAMOD	MFS MOD names for AQF
IDXFTS	Sample DBD for the Text Editor IMS (DL/I) work database and the VISION:Journey download database
IIDATA	Data for loading the IMS (DL/I) test databases, PLANT and SKILL
IIDBDDM	Sample DBD for the PLANT test database
IIDBDDS	Sample DBD for the SKILL test database
IIDMGEN	Sample IIGEN statements that describe all test databases
IIERROR	Standard system error messages

IIIMSnn	MFS copy library members used in generating MFS formats for INQIMS, the Text Editor screen (EDITMFS), and the AQF screen (AQFIMS)
IIMSGnn, IIPRTnn	MFS copy library members used in generating MFS formats for INQIMS, INQUDO, the Text Editor screen (EDITMFS), and the AQF screen (AQFIMS)
IIPSB	Sample PSB for inquiries against the test databases
IIPSB01	Sample PSB for initializing an IMS (DL/I) system database using the IIINIT utility
IIPSB02	PSB for maintaining an IMS (DL/I) system database using the IIGEN, IXUIQRY, IXULOAD, IXUSQRY, IXUSTAT, and IXUUNLD utilities
IIPSB03	Sample PSB for loading the IMS (DL/I) test databases using IIDEMO
IIUDOnn	MFS copy library members used in generating MFS formats for INQUDO
IIVOCAB	Standard system vocabulary
INQIMS	Source for generating MFS formats for native VISION:Inquiry
INQUDO	Source for generating MFS formats for native VISION:Inquiry with the UDO feature
IXBIDENT	Source for DB2 and system database identification module
CUYGCHK	IIGEN checkpoint interval control module
CUYIEPRM	Text Editor parameters
IXOIDENT	Source for DB2, VISION:Journey, and system database identification module
IXPIDENT	Source for DB2 and system database identification module
CUYSHDG	Utility program headings
CUYSHMG	Hard-coded messages
IXSIDENT	Source for DB2, VISION:Journey, and system database identification module
IXTIDENT	Source for DB2 and system database identification module
IXXAQF IXXAQFIX	Sample DBDs for AQF HIDAM work database and its index
IXXDB	Sample DBD for IMS (DL/I) system database
CUYXEMSG	Text Editor error messages

IXXUCONP	Sample user conversion exit in PL/I
IXXUCONS	Sample user conversion exit in Assembler
IXXUFNCS	Sample user function exit
IXXUINS	Sample user input exit
IXXUOUTS	Sample user output exit
IXXUSECS	Sample user security exit
JRNPSB1 JRNPSB2	Sample PSBs for VISION:Journey
ODYMFS	Source for generating MFS formats for VISION:Journey
TEXTHLP TEXTMFS	Source for generating MFS formats for the Text Editor
TEXTPSB	Sample PSB for using Text Editor
TXTIMSnn	MFS copy library members used in generating MFS formats for the Text Editor screen (EDITMFS)
VSDATAH VSDATAK VSDATAR	Data used to load the VSAM test data sets

Control Library

The control library contains the following members

AQFINIT	JCL to allocate and initialize the AQF work database
ASMCHKI	JCL to assemble the IIGEN checkpoint interval control module, CUYGCHK
ASMEMSG	JCL to assemble the Text Editor messages, CUYXEMSG
ASMEPARM	JCL to assemble the Text Editor parameters, CUYIEPRM
ASMHMSG	JCL to assemble the hard-coded message modules, CUYSHMG
ASMOMODS	JCL to assemble the MFS MOD names, CUYIAMOD, for AQF
ASMOMSG	JCL to assemble the AQF messages, CUYIAMSG
ASMSHDG	JCL to assemble the utility heading modules, CUYSHDG
DB2BIND	TSO commands to bind the DB2 plan
DB2CATL	JCL to run the DB2 catalog program DB2CATA
DB2CREAT	SPUFI input to create and index a DB2 system database
DB2DEMO	SPUFI input to create and load the DB2 test tables and views
DB2ELEM	JCL to define the test tables/views to a DB2 system database using the IIGEN utility
DB2INDEX	SPUFI input to create the index for DB2 test tables
DB2INIT	JCL to initialize a DB2 system database using the IIINIT utility
DB2IQRY	JCL to convert stored inquiries and functions for a DB2 system database using the IXUIQRY utility
DB2LOAD	JCL to reload a DB2 system database using the IXULOAD utility
DB2SQRY	JCL to unload stored inquiries and functions from a DB2 system database using the IXUSQRY utility
DB2STAT	JCL to execute the IXUSTAT utility for a DB2 system database
DB2TXTCL	JCL to execute the IFUCLEN cleanup utility for the Text Editor DB2 work database
DB2TXTIN	SPUFI input to create and initialize the Text Editor DB2 work database

DB2UNLD	JCL to unload a DB2 system database using the IXUUNLD utility
DYLIQ	The model CLIST for running VISION:Inquiry in a TSO environment
IIFORMAT	JCL to build MFS formats
IIPSBDBD	JCL for DBD, PSB, and ACB generations
IMSCOBL	JCL to run COBOL converter program for IMS (DL/I) databases
IMSDEMO	JCL to allocate and load the IMS (DL/I) test databases, PLANT and SKILL
IMSELEM	JCL to define the test databases to an IMS (DL/I) system database using the IIGEN utility
IMSFTSCL	JCL to execute the IFUCLEN cleanup utility for the VISION:Journey download database
IMSFTSIN	JCL to allocate and initialize the VISION:Journey download database
IMSINIT	JCL to allocate and initialize an IMS (DL/I) system database using the IIINIT utility
IMSIQRY	JCL to convert stored inquiries and functions for an IMS (DL/I) system database using the IXUIQRY utility
IMSJCL	JCL to be added to your MPP region JCL
IMSLOAD	JCL to reload an IMS (DL/I) system database using the IXULOAD utility
IMSSQRY	JCL to unload stored inquiries and functions from an IMS (DL/I) system database using the IXUSQRY utility
IMSSTAT	JCL to execute the IXUSTAT utility for an IMS (DL/I) system database
IMSTXTCL	JCL to execute the IFUCLEN cleanup utility for the Text Editor IMS (DL/I) work database
IMSTXTIN	JCL to allocate and initialize the Text Editor IMS (DL/I) work database
IMSUNLD	JCL to unload an IMS (DL/I) system database using the IXUUNLD utility
IQBATD	JCL to run batch inquiries in IMS (DL/I) environment
IQBATD 2	JCL to run batch inquiries to access DB2 tables in IMS (DL/I) environment

IQBATV	JCL to run batch inquiries in non-IMS (DL/I) environment
JRNASM	JCL to assemble the II.TCUYSRC (DJCSECT) member for VISION:Journey for Windows
VSAMCOBL	JCL to run the COBOL converter program for VSAM data sets
VSAMDEMO	JCL to allocate and load the VSAM non-hierarchical test data sets, VSPLANT and VSSKILL
VSMHDEMO	JCL to allocate and load the VSAM hierarchical test data sets, VSHPLANT and VSHSKILL

Index

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