Gentran:Control® for zSeries

Installation Guide

Release 6.4

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An IBM Company

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2206-640-INST01-0000

December 2005

Gentran:Control for zSeries

Sterling Commerce Software

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Chapter 1 Getting Started

Overview

Welcome to Gentran:Control®!

Gentran:Control for zSeries Release 6.4 is a Gentran:Basic® add-on product that enables you to automate and prioritize processing.

This *Installation Guide* assists you with installing Gentran:Control for zSeries Release 6.4 and in converting from Gentran:Control Release 6.0, 6.1, 6.2, or 6.3 to Release 6.4.

> **Note:** If you are using a release of Gentran:Control earlier than Release 6.0, please contact the Gentran Customer Support for information on converting your Gentran:Control system to Release 6.4.

Step-by-step instructions will guide you through the installation, verification, and conversion procedures. Be sure to follow all the steps required for your particular installation. Test procedures have been provided, to confirm that the installation has been successful. If you have problems, use them before contacting the Gentran Customer Support.

Sample online screens are included where appropriate to illustrate test results you can expect while performing these installation and conversion procedures.

Important Prerequisite

Gentran:Control for zSeries Release 6.4 requires that you also have Gentran:Basic for zSeries Release 6.4 with current maintenance. Prior to beginning the installation of Gentran:Control for zSeries Release 6.4, you must ensure that you have either:

- **Recently installed Gentran:Basic for zSeries Release 6.4**

or

- **Recently applied cumulative fixes to Gentran:Basic for zSeries Release 6.4**

Check with Gentran Customer Support for assistance in determining whether your Gentran:Basic for zSeries Release 6.4 product is current before beginning the installation of Gentran:Control for zSeries Release 6.4.

Related Documentation

The following guides contain additional information related to using Gentran:Control for zSeries Release 6.4.

- *Gentran for zSeries Release 6.4 Release Notes*
  Contains information about the changes and enhancements made in this release of the Gentran family of products, as well as information about the impact this release will have on your operations. The "Impact" section includes such information as file conversions, JCL changes, and CICS table entry changes.
- *Gentran:Control for zSeries Release 6.4 User's Guide*
  Contains a step-by-step tutorial and reference information, such as field descriptions and function keys for the Gentran:Control screens, as well as program and file descriptions.
- *Gentran:Basic for zSeries Release 6.4 User's Guide*
  Contains reference information, such as field descriptions and function keys for the Gentran:Basic screens.
- *Gentran:Basic for zSeries Release 6.4 Technical Reference Guide*
  Contains detailed reference information about batch programs and file descriptions.
- *Gentran:Basic for zSeries Release 6.4 System Message Guide*
  Contains information about the specific system messages for all Gentran products, including Gentran:Basic and Gentran:Control.

Chapter

2

Completing the Pre-installation Worksheet

Overview

This chapter contains a worksheet that you must complete before you begin to install Gentran:Control.

The worksheet should be completed by someone who is familiar with the requirements of your organization as well as your organization's data process naming and standards conventions.

Decisions made while completing the worksheet directly affect how various portions of Gentran:Control are installed. In addition, the information that you enter is used to create the proper filenames and values during installation.

The default values provided on this worksheet are appropriate for most installations. If you are unsure about the appropriate value to use, use the default.

Pre-installation Worksheet

Complete this worksheet before you install Gentran:Control.

Pre-installation Worksheet

Completed by: _____

Date: _____ **Time:** _____

System Image

Default: SIM
Your Value: _____

This 3-character alphanumeric value is used to uniquely identify your Gentran:Control online system. We recommend that you use "EDI" when possible. However, you can select any value you wish.

Note: The system image value should match the value established during the installation of Gentran:Basic for zSeries Release 6.4.

See *Appendix B* for a complete description of system image.

Program Image

Default: PIM
Your Value: _____

This 3-character alphanumeric value is used to uniquely identify the programs and mapsets for your Gentran:Control online system. We recommend that you use "EDI" when possible. If you do not use the recommended value of "EDI," we recommend that you use the same value that you used for your system image. However, you can select any value you wish.

Note: The program image value should match the value established during the installation of Gentran:Basic for zSeries Release 6.4.

See *Appendix B* for a complete description of program image.

High-Level Qualifier for Data Set Names

Default: GENTRAN.V6X4
Your Value: _____

The installation process creates many data sets that are used to generate Gentran:Control. All data sets begin with the qualifier "GENTRAN.V6X4." Change the qualifier to conform to your requirements. The general naming conventions used in the Job Control Language (JCL) for loading Gentran:Control are the following:

`GENTRAN.V6X4.CTL.`	Identifies Gentran:Control data sets that are either permanent or used to load the system.
`GENTRAN.V6X4.`	Identifies Gentran:Basic Release 6.4 data sets that are used in Gentran:Control jobs.

See *Appendix C* for a complete description of Gentran:Control files.

CICS Group Name

Default: GENCTL
Your Value: _____

This 8-character alphanumeric value is used when establishing the online environment during the installation of Gentran:Control. CICS resources are stored in the CICS System Definition (CSD) file using this group name. We recommend that you use "GENCTL" when possible. However, you can select any value you wish, including the value you used during the installation of Gentran:Basic.

External Security Systems

After determining the system image and the high-level qualifier for the data set names, review any external security system (such as RACF and ACF2) parameters to ensure that the correct transactions, programs, and data sets can be accessed by the appropriate personnel.

Note: There is no parameter within Gentran:Basic/Control that defines your external security system, but you must identify Gentran:Basic/Control resources to your security system.

The following CICS transactions run in the background when processing Control programs: EDII, EDIA, EDI1, EDIX, EDIB, and EDIR. Your CICS administrator can determine whether special security setup considerations in your RACF and ACF2 parameters are required to access the Gentran:Basic/Control files.

User ID for Background Tasks

Default: N/A
Your Value: _____

This 8-character alphanumeric value identifies a User ID to be associated with background tasks that execute in the Gentran:Control On-line system. Use this User ID when you need to ensure security control of these background tasks.

For more information about this feature, see chapter 6, "Configuring JCL Submission and User Security," in the *Gentran:Control for zSeries Release 6.4 User's Guide*.

Batch Submit Exit

Default: N/A
Your Value: _____

This 8-character alphanumeric value identifies a user-written program that will be invoked when submitting batch jobs from the Gentran:Control On-line system. Use this exit when you need to submit jobs through a Scheduler system rather than through a CICS controlled internal reader.

For more information about this feature, see chapter 6, "Configuring JCL Submission and User Security," in the *Gentran:Control for zSeries Release 6.4 User's Guide*.

Chapter

3

Installing Gentran:Control

Overview

This chapter describes the steps that are required to install Gentran:Control for zSeries Release 6.4. Review all the steps in this procedure before you perform the installation. After you have read this chapter, be sure to perform the steps in the order in which they are presented.

This chapter contains the following topics:

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The Installation Process

Installing Gentran:Control involves completing a series of dependent jobs that build individual subsystems. In the initial steps, you will unload files from either the Electronic Software Distribution (ESD) portal or CD-ROM and use them to build sequential files and partitioned data sets on your mainframe. In subsequent steps, you will run jobs on your mainframe that will use these sequential files and partitioned data sets to create and initialize Gentran:Control system files.

> **Note:** The customer performing this installation should have a working knowledge of JCL, VSAM, and the CICS environment in which the software will be installed.

- If you are installing from ESD, the installation package includes one product file. The product file contains all of the files necessary to install the programs and base files for Gentran:Control. The file to download is:

  Control_6.4_Package.zip

- If you are installing from CD-ROM, the installation package contains one CD-ROM. The product CD-ROM contains all of the files necessary to install the programs and base files for Gentran:Control. The CD-ROM label reads:

  Gentran:Control for zSeries Release 6.4 Product

Performing Initial Procedures

Use this procedure to install Gentran:Control for zSeries Release 6.4.

Step 1 Confirm system, hardware, and software requirements.

Typically performed by: System Installer

System Requirements

To install Gentran:Control, you need the following:

- A personal computer running a Microsoft Windows operating system
- A CD-ROM drive, if you are installing from the CD-ROM
- 3 MB of available hard disk space
- FTP capability

Hardware Requirements

Gentran:Control operates on any IBM mainframe running the OS/390 or z/OS operating system.

Host System Disk Space Requirements:

Disk space requirements listed below are based on the use of IBM 3390 disk drives.

Component	Tracks Required
Batch Load Library	30
Online Load Library	40
System JCL Library	20
System Test Data	2
Utility Source Library	6
VSAM Files	80
Work Files for Control	10

VSAM space requirements listed above are enough for your initial use of the Gentran:Control system. As you increase the number and size of Queue files you use, you may need additional space.

See the section corresponding to each file in the *Gentran:Control for zSeries Release 6.4 User's Guide* for disk space requirements.

Software Requirements

To operate properly, the following software must reside on the host system:

- OS/390 or z/OS operating system
- CICS Transaction Server Version 1.3 or higher
- Language Environment run-time support
- Recent updated version of Gentran:Basic for zSeries Release 6.4

Additional CICS software environment:

- CICS command-level support for COBOL and Assembler languages
- CICS Language Environment run-time modules
- VSAM support
- 3270-type terminal support

After you ensure that all hardware and software requirements are met, you can proceed with the installation of Gentran:Control (see **Step 2**).

Completed by:_____

Date: _____ **Time:**_____

Upload Product Distribution Files

Because the Gentran:Control product is distributed either on a CD-ROM or by downloading from the ESD portal, you must upload the files to your mainframe before you can begin installing the product. This section provides step-by-step instructions for that process.

Step 2 Transfer files to your PC.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ If you are installing from ESD, unzip the **Control_6.4_Package.zip** file that you downloaded from ESD to extract the file name **Control_6.4_Product.exe**. This is a self-extracting .zip file that contains the entire Gentran:Control product.
- ❑ If you are installing from CD-ROM, insert the Gentran:Control product CD-ROM into your computer's CD-ROM drive and navigate to locate the file named **Control_6.4_Product.exe**. This is a self-extracting .zip file that contains the entire Gentran:Control product.
- ❑ Double-click the file name to begin extracting the files onto the local hard disk on your PC. A system message prompts you with a default folder name to which the system will save the files it is extracting. If you want to select a different location, change the default folder name to your desired location.
- ❑ After the process completes, note the location. The folder should contain the following files:

File	Description
PCCTLPRD	Gentran:Control product
PCCTLPD1.TXT	JCL to allocate the target product file
PCCTLPD2.TXT	JCL to build the sequential product files

Completed by: _____

Date: _____ Time: _____

Step 3 Upload the product JCL files to your mainframe.

To build the sequential product files on your mainframe, you must upload the needed JCL to the mainframe.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Manually upload the JCL files from your PC to the mainframe using FTP configured in ASCII data transfer mode.

Note: For FTP, the Carriage Return and Line Feed settings (CR/LF) must be set to **`Off`**.

The files to upload are:

File	Description
PCCTLPD1.TXT	The JCL to allocate the target product file
PCCTLPD2.TXT	The JCL to build the sequential product files

❑ Choose target file names that are appropriate for your installation requirements.

Completed by: _____

Date: _____ **Time:** _____

Step 4 Allocate the target product file on your mainframe.

Before you can upload the Gentran:Control product file to your mainframe, the target file must be allocated on it.

Typically performed by: System Installer

Check the box next to the task as you complete it.

- ❑ Customize JCL member **PCCTLPD1** that you uploaded in **Step 3**.
- ❑ Add a job card.
- ❑ Change **`DISK`** of **`UNIT=DISK`** as required by your installation.
- ❑ Change the text string **`XXXXXX`** of **`VOL=SER=`** to an appropriate volume serial number used at your installation.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**`GENTRAN.V6X4`**).
- ❑ Read the comments within the JCL and follow any additional instructions.
- ❑ Submit the job.
- ❑ Verify the job results. You should never receive a return code greater than 0.

Completed by: _____

Date: _____ Time: _____

Step 5 Upload the Gentran:Control product file from your PC to your mainframe.

Typically performed by: System Installer

Check the box next to the task as you complete it.

❑ Perform the upload manually from your PC using FTP configured in BINARY data transfer mode. The target file on the mainframe must be the file that you allocated in **Step 4** (`GENTRAN.V6X4.CTL.UPLOAD.PCPRD`).

The file to be uploaded is:

File	Description
PCCTLPRD	Gentran:Control product

❑ At the completion of the upload, verify the integrity of the file on the mainframe by looking for the following:

- Column 2 of the first record in the file should begin with the value `\INMR01`.
- The number of bytes transferred should match the size of the source file.

Note: If neither of these are true, or if the entire file is unreadable, verify that your FTP session was configured in BINARY data transfer mode. Using an incorrect transfer configuration is the most common cause of upload problems.

❑ If the file is not acceptable, perform the upload process again and verify the integrity of the uploaded file until it is acceptable.

Completed by: _____

Date: _____ Time: _____

Step 6 Build the sequential Gentran:Control files on your mainframe.

Typically performed by: System Installer

This step reads the Gentran:Control product file that you uploaded in **Step 5** and extracts the files needed to complete the installation of the product on your mainframe.

The following table lists the abbreviated names of the data sets to be extracted. In the job, they are referenced by complete data set name, with the prefix **`GENTRAN.V6X4.`** followed by the text in the table below.

Example
CTL.BATCH.LOAD, when not abbreviated, is GENTRAN.**`V6X4`**.CTL.BATCH.LOAD.

> **Note:** The data set names listed in bold type are permanent files that must be retained after the installation is complete. All of the other files are used to initially seed the permanent Gentran:Control files; you can delete them when the installation is complete.

Data Set Name	Description
CTL.BATCH.LOAD	Partitioned data set that contains all of the batch program load modules. This is a permanent data set; do not delete this data set at the end of installation.
CTL.CICS.LOAD	Partitioned data set that contains all of the CICS program load modules. This is a permanent data set; do not delete this data set at the end of installation.
CTL.UTILITY.SOURCE	Partitioned data set containing the Gentran:Control sample source code members for user exits. This is a permanent data set; do not delete this data set at the end of installation.
CTL.JCL	Partitioned data set containing all of the Gentran:Plus execution JCL, sample JCL, and Network Toolkit. This is a permanent data set; do not delete this data set at the end of installation.
CTL.SEQ.EDIOCF	The sequential data set containing an initial record needed to seed the Online Control file.
CTL.MAPIN.TESTDATA	The sequential data set containing the inbound X-12 test data used in the Gentran:Control installation verification procedure. This is a permanent data set; do not delete this data after the installation is complete.
CTL.MAPOUT.TESTDATA	The sequential data set containing the Outbound X-12 test data used in the Gentran:Control installation verification procedure. This is a permanent data set; do not delete this data after the installation is complete.
CTL.SEP.TESTDATA	The sequential data set containing X-12, EDIFACT, and TRADACOMS test data used in the Gentran:Control installation verification procedure for testing the Separator subsystem. This is a permanent data set; do not delete this data set after the installation is complete.

Data Set Name	Description
CTL.SEQ.EDIRSEP	The sequential data set containing records used to preload the Separator Control file.
CTL.SEQ.EDICFG	The sequential data set containing the Gentran:Control configuration record. This is a permanent data set; do not delete this data set at the end of installation.
CTL.SEQ.EDIRMNH	The sequential data set containing an initial record needed to seed the separator monitor header file.
CTL.SEQ.EDIRMNS	The sequential data set containing an initial record needed to seed the separator monitor store file.

Check the box next to each task as you complete it.

- ❑ Customize JCL member **PCCTLPD2** that you uploaded in **Step 3**.
- ❑ Add a job card.
- ❑ Change **`DISK`** of **`UNIT=DISK`** as required by your installation.
- ❑ Change the text string **`XXXXXX`** of **`VOL=SER=`** to an appropriate volume serial number used at your installation.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**`GENTRAN.V6X4`**).
- ❑ Read the comments within the JCL and follow any additional instructions.
- ❑ Submit the job.
- ❑ Verify the job results. You should never receive a return code greater than `0`.

Completed by: _____

Date: _____ **Time:** _____

Obtain Product Updates

Before beginning to define the Gentran:Control system files in the next section, you must obtain the latest product updates. It is important that all product updates be installed before continuing with the installation process. Failure to do so may cause a failure of the installation process or corruption of the Gentran:Control system that you build. Call the Gentran Software Product Support Center (1-800-GENTRAN) if you have any questions about product updates.

Note: Product updates are available from the Support On Demand website.

Step 7 Check for the latest updates.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Check for the latest updates for the Gentran:Control product by going to the Support On Demand website at: https://support.sterlingcommerce.com/.

  Note: If the Support On Demand website indicates that there are no updates for the Gentran:Control product, you may skip the rest of this step and continue with **Step 8**.

- ❑ Download all updates from the Support On Demand website.

- ❑ Install the updates. Instructions for how to install the updates can be obtained from the Support On Demand website.

Completed by: _____

Date: _____ **Time:** _____

Defining Gentran:Control System Files

Overview

The JCL required to install Gentran:Control is contained in the partitioned data set GENTRAN.V6X4.CTL.JCL. Before you can execute the JCL, you must make the following changes.

- Add an appropriate job card.
- Change DISK of UNIT=DISK as required by your installation.
- Change the text string XXXXXX of VOLUMES to the DASD VOLUMES that will contain defined permanent data sets.
- Change the data set names to match your installation's internal requirements as specified in your Pre-installation Worksheet in Chapter 2. Target data sets should reflect Release 6.4 in the name.

  Note: Modify only the first two index levels of the data set names (GENTRAN.V6X4). Doing so enables you to mass-edit data set names.

Carefully read all comments included within each JCL member. These comments provide important information about last-minute changes that were not included in the documentation, as well as information that may be essential to the installation process.

Ensure that you verify the results of each job before you proceed to the next installation step. You should never receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran attempted to delete a file that does not exist. The file will be created during the job.

You will define Gentran:Control system files by executing a number of batch jobs. These batch jobs include:

Batch Job	Description
DEFCKP	Defines the Checkpoint file.
DEFCTL	Defines Gentran:Control system files. These files include the Online Control, JCL, Queue, and Separator system. The Online Control file, the JCL files, and the Separator files, the Control, Monitor Header, and Monitor Store are loaded. The Queue files are initialized.
UPDCFG	Updates the Configuration file to enable the Gentran:Control option.

Define the Checkpoint File

This step defines the Gentran:Control system Checkpoint file.

Step 8 Customize JCL member **DEFCKP** and submit.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change the text string **XXXXXX** of **VOLUMES( )** as required by your installation.
- ❑ Change data set names as required by your Pre-installation Worksheet in Chapter 2. Consider the following:
  - Change only the first two index levels of each data set name (**GENTRAN.V6X4**). Doing so enables you to mass-edit data set names.
  - Permanent Gentran:Control files are identified with **VSAM** as the fourth node of the data set names.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ Submit the JCL member.
- ❑ Verify the job results. You should never receive a return code greater than **8**. A return code of 8 usually indicates that during a step, Gentran attempted to delete a file that does not exist. The file will be created during the job.

Completed by:_____

Date: _____ **Time:**_____

Customize JCL Files

This step customizes JCL streams that will be loaded into the JCL in **Step 10**.

Step 9 Customize JCL members **EXECIB** and **EXECOB**.

Typically performed by: System Installer

This section lists the tasks involved in customizing the job card and the data set names within the JCL streams.

> **Note:** The **EXECIB** and **EXECOB** JCL streams will be loaded into VSAM files in **Step 10** and are used in the Gentran:Control verification procedure.

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change **DISK** of **UNIT=DISK** as required by your installation.
- ❑ Change text string **XXXXXX** of **VOL=SER=** as required by your installation.
- ❑ Change data set names as required by your installation. Consider the following:
  - Change only the first two index levels of each data set name (**GENTRAN.V6X4**). Doing so enables you to mass-edit data set names.
  - Permanent Gentran:Control files are identified with **VSAM** as the fourth node of the data set name.
  - Permanent Gentran:Basic files are identified with **VSAM** as the third node of the data set name.
  - Temporary Gentran:Control files are identified with **SEQ** as the fourth node of the data set name. These files can be deleted after the installation is complete.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ Execute a Syntax check on each customized JCL member to reduce the chance of errors during the installation verification procedure. If the method you use to perform the syntax check also checks for missing data sets, you may receive errors because most data sets have not yet been defined. You should ignore these errors and focus on any true JCL syntax errors that are found.

Completed by:_____

Date: _____ **Time:**_____

Define and Load Control Files

This step defines and loads the Gentran:Control system files, including the Online Control file, the Separator Control files, the sample JCL files (customized in **Step 9**), and the Queue files.

Step 10 Customize JCL member **DEFCTL** and submit.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change **DISK** of **UNIT=DISK** as required by your installation.
- ❑ Change text strings **XXXXXX** of **VOLUMES( )** as required by your installation.
- ❑ Change data set names as required by your installation. Consider the following:
  - Change only the first two index levels of each data set name (**GENTRAN.V6X4**). Doing so enables you to perform a mass-edit on data set names.
  - Permanent Gentran:Control files are identified with **VSAM** as the fourth node of the data set name.
  - Permanent Gentran:Basic/Control files are identified with **VSAM** as the third node of the data set name.
  - Temporary Gentran:Control files are identified with **SEQ** as the third node of the data set name. These files can be deleted after the installation is complete.
- ❑ You must change the **ADD SIMJIBX** and **ADD SIMJOBX** parameters in the steps that execute **EDIRJCLX** to reflect the three-character system image as indicated in your Pre-installation Worksheet in Chapter 2.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ If necessary, close and disable the **SIMRJCL** and **SIMRSEP** files under CICS if the region containing Gentran:Basic/Control is running.

  Note: Replace the first three characters of the file names with your system image characters.
- ❑ Submit the JCL member.
- ❑ Verify job results. You should never receive a return code greater than **8**.
- ❑ Open and enable the **SIMRJCL** and **SIMRSEP** files if you closed them before submitting the JCL member in this step.

Completed by:_____

Date: _____ **Time:**_____

Update the Configuration File

This step updates the Gentran:Basic Configuration file to include the Gentran:Control configuration record.

Step 11 Customize JCL member **UPDCFG** and submit.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change data set names as required by your installation. Consider the following:
  - Change only the first two index levels of each data set name (**`GENTRAN.V6X4`**). Doing so enables you to perform a mass-edit on data set names.
  - Permanent Gentran:Basic/Control files are identified with **`VSAM`** as the third node of the data set name.
  - Temporary Gentran:Control files are identified with **`SEQ`** as the fourth node of the data set name.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ If necessary, close and disable the **SIMCFG** file under CICS if the region containing Gentran:Basic/Control is running.

  Note: Replace the first three characters of the file name with your system image characters.
- ❑ Submit the JCL member.
- ❑ Verify that return codes are zeroes.
- ❑ Open and enable the **SIMCFG** file if you closed it before submitting the JCL member in this step.

Completed by:_____

Date: _____ **Time:**_____

Establishing the Online Environment

Overview

Gentran:Control has an extensive CICS online environment that allows for entry, update, and inquiry of partners, maps, standards, databanks, and other administrative functions. This section of the installation procedures describes the steps that you will perform to customize the resources and update your CICS environment to install the application software and files needed to make these functions available.

Your installation will depend upon your release of CICS and how it is configured. Refer to comments within each of the following steps and associated JCL members for information about modifications that you may need to make.

You will need full access to the following items to complete this CICS installation:

- The CICS System Definition file DFHCSD
- The CICS Offline Utility program DFHCSDUP
- The CICS Resource Definition Online transaction CEDA
- The CICS Master Terminal transaction CEMT

It is assumed that a functional CICS region exists and that the system installer has full authorization to access the region and use these items.

CICS Resource Definitions for Gentran:Control Files

Step 12 Customize JCL member **CTLRDOF**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Review each definition for your site requirements.
- ❑ Globally change the value **SIM** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Each definition contains the **DSNAME** parameter to specify the names of the data sets to be allocated for the files. You may remove these parameters and instead specify the files using DD statements in the CICS startup JCL. If you wish to do this, **Step 17** provides instructions for updating the CICS startup JCL.

  If you elect to retain the **DSNAME** parameters, you must globally change the data set name high-level qualifier **GENTRAN.V6X4** to the value specified on the Pre-installation Worksheet in Chapter 2.
- ❑ If you changed the CICS Group Name on the Pre-Installation Worksheet in Chapter 2 from the default value **GENCTL**, globally change the value in the **GROUP** parameter in each definition to the value you are using.
- ❑ Review Local Shared Resource Pool IDs for your system. To manage overhead, most Gentran:Control files are assigned to an LSR pool. Files that cannot be installed in a pool use the parameter **LSRPOOLID(NONE)** in the definitions.
- ❑ If you are installing into an MRO environment, you will need to uncomment the **KEYLENGTH** and **RECORDSIZE** parameters for each resource definition.

  You may also need to uncomment the **REMOTESYSTEM(NAME)** parameter for each resource and change the value **NAME** to the 4-character alphanumeric name of the CICS region where the files reside.

  In addition, if you are creating a unique group name for each MRO region, you will need to create a duplicate JCL member for each unique group name.
- ❑ Read the comments within the JCL member and follow additional instructions.

Completed by:_____

Date: _____ **Time:**_____

CICS Resource Definitions for Gentran:Control Programs and Mapsets

Step 13 Customize JCL member **CTLRDOPM**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Review each definition for your site requirements.
- ❑ All Gentran:Control CICS applications are identified in this member. Programs and BMS mapsets are included.
- ❑ Globally change the value **`PIM`** to the three-character program image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **`GENCTL`**, globally change the value in the **`GROUP`** parameter in each definition to the value you are using.
- ❑ Read the comments within the JCL member and follow additional instructions.

Completed by:_____

Date: _____ **Time:**_____

CICS Resource Definitions for Gentran:Control Transactions

Step 14 Customize JCL member **CTLRDOT**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Review each definition for your site requirements.
- ❑ Globally change the value **`SIM`** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Globally change the value **`PIM`** to the three-character program image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **`GENCTL`**, globally change the value in the **`GROUP`** parameter in each definition to the value you are using.
- ❑ If you are installing into an MRO environment, you may need to uncomment the **`REMOTESYSTEM(NAME)`** parameter for each resource and change the value **`NAME`** to the 4-character alphanumeric name of the CICS region where the transactions reside.
- ❑ Read the comments within the JCL member and follow additional instructions.

Completed by:_____

Date: _____ **Time:**_____

Defining Gentran:Control Resources in the CICS System Definition File

Step 15 Customize JCL member **DEFRDO**.

This step adds the customized JCL members from the previous steps to the System Definition file.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add a Job Card.
- ❑ Change data set names **YOUR.CICS.SDFHLOAD** and **YOUR.CICS.DFHCSD** as required by your installation.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X4**).
- ❑ If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **GENCTL**, substitute your group name in the **DELETE** step in the JCL.
- ❑ If you are defining the Gentran:Control CICS resources in an existing group, you must comment out or remove the **DELETE** step in the JCL. Otherwise, your existing group will be deleted.
- ❑ If you are installing into an MRO environment, you may need to run this job multiple times depending on whether or not you are sharing the CSD file among the regions and whether or not you are using different group names in each region. If you do need to run the DEFRDO job multiple times, modify the CSD file name, group name, and/or JCL member names to meet your needs.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ Submit the JCL member.
- ❑ Verify the job results. You should never receive a return code greater than 0.

Completed by:_____

Date: _____ **Time:**_____

Renaming Gentran:Control Programs and Mapsets

Step 16 Customize JCL member **CTLNAME**. This job will copy and rename all Gentran:Control online CICS programs and mapsets to reflect the program image.

Note: All online CICS programs and mapsets are supplied with a program image of **EDI**. If you have chosen **EDI** as your program image, you may skip this step.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change **`DISK`** of **`UNIT=DISK`** as required by your installation.
- ❑ Change the text string **`XXXXXX`** of **`VOL=SER=`** to an appropriate volume serial number used at your installation.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**`GENTRAN.V6X4`**).
- ❑ Globally change the value **`PIM`** to the three-character program image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Read the comments within the JCL and follow any additional instructions.
- ❑ Submit the job.
- ❑ Verify the job results. You should never receive a return code greater than `0`.

Completed by:_____

Date: _____ **Time:**_____

Updating the CICS Startup JCL

Step 17 Allocate the Gentran:Control resources to your CICS region.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Add the CICS load library created in **Step 16** to the DFHRPL concatenation. The recommended sequence to specify the load libraries for the Gentran products is:
  - Gentran:Viewpoint
  - Gentran:Basic
  - Gentran:Realtime
  - Gentran:Structure
  - Gentran:Plus
  - Gentran:Control
- ❑ If you elected to remove the **`DSNAME`** parameters from the file definitions in **Step 12**, you must add DD statements to define the files to CICS. JCL member **CTLCICS** contains DD statements that you may use.

  Globally change the value **`SIM`** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.

  Globally change the data set name high-level qualifier **`GENTRAN.V6X4`** to the value specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Start or restart the CICS region.

Completed by: _____

Date: _____ **Time:** _____

Installing the Gentran:Control CICS Group

Step 18 Use the CEDA transaction to make the Gentran:Control CICS resources available to your CICS region.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Log on to CICS as required within your environment to access the CEDA transaction. When you have finished, clear the screen.

- ❑ Type the following command to dynamically install the resources. If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **GENCTL**, substitute your group name for the value **GENCTL** in the command. Press **Enter** to invoke the command.

```
CEDA INSTALL GROUP(GENCTL)
```

  Check for the **Install Successful** result from CEDA. When you have finished, press **PF3** and then clear the screen.

- ❑ If you defined the Gentran:Control CICS resources in an existing group that is already specified in a list of groups that CICS installs at startup, you may skip the remainder of this step.

- ❑ Type the following command to permanently add the group to a list of groups that CICS installs at startup. If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **GENCTL**, substitute your group name for the value **GENCTL** in the command. Also substitute your list name for the value **LISTNAME** in the command. Press **Enter** to invoke the command.

```
CEDA ADD GROUP(GENCTL) LIST(LISTNAME)
```

  Check for the **Add Successful** result from CEDA. When you have finished, press **PF3** and then clear the screen.

Completed by:_____

Date: _____ **Time:**_____

Verifying the Gentran:Control CICS Installation

Step 19 The following commands can be used to confirm successful installation. Use them to compare each resource to the input in JCL members CTLRDOF, CTLRDOPM, and CTLRDOT, as appropriate.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Type the following command to display all the resources in the group. If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **GENCTL**, substitute your group name for the value **GENCTL** in the command. Press **Enter** to invoke the command.

```
CEDA DISPLAY GROUP(GENCTL)
```

Review each entry displayed on the screen. When you have finished, press **PF3**, and then clear the screen.

❑ Type the following commands to open and enable all files used by Gentran:Control. Change the value **SIM** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.

CEMT SET FILE(SIMCKP) OPE ENA – Checkpoint file
CEMT SET FILE(SIMRMN*) OPE ENA – Monitor Header and Store files
CEMT SET FILE(SIMOCF) OPE ENA – Online Control file
CEMT SET FILE(SIMQ*) OPE ENA – Queue files

This is an important step in verification. All Gentran:Control files must be available to CICS before you can continue. If a file allocation problem occurs, check your CICS system log and file definitions. You must resolve all problems.

❑ Type the following command to load all programs and mapsets. Replace **PIM** with the three-character program image specified on the Pre-installation Worksheet in Chapter 2.

```
CEMT SET PROGRAM(PIM*) NEW
```

If a program fails to load, most likely an error occurred in the virtual system resources or library concatenation. All Gentran:Control online programs and mapsets must be available to CICS before you can continue.

Review each entry displayed on the screen. When you have finished, press **PF3** and then clear the screen.

Completed by:_____

Date: _____ **Time:**_____

Customizing Automatic System Start-up Program EDIEPLT

Step 20 Gentran:Control uses an Online Scanner/Initiator program (EDIEOSI) to monitor activity and determine when to initiate online or batch processing. This program must be started every time your CICS environment is started. We provide a sample Automatic System Start-up program (EDIEPLT) that will start EDIEOSI. This step will help you customize this program to meet the needs of your environment.

Two methods can be used to invoke EDIEOSI from EDIEPLT. One is to 'start' transaction EDII and the other is to 'link' to program EDIEOSI. The basic difference is that the 'link' method will cause a slower start of your system but will guarantee that the Gentran:Control system is started before any other PLT programs are invoked.

A compiled and link-edited copy of EDIEPLT is included in the Gentran:Control CICS load library that will 'start' transaction EDII.

> **Note:** If you do not need to use the 'link' method to invoke the Online Scanner/Initiator and if you have chosen EDI as your system image, you may skip this step and continue with **Step 21**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Modify program EDIEPLT. The source for this program can be found in **GENTRAN.V6X4.CTL.UTILITY.SOURCE**.

- If you need to use the 'start' method to invoke the Online Scanner/Initiator and if you did not choose EDI as your system image, replace the **EDI** portion of the transaction ID EDII with the three-character system image specified on the Pre-Installation Worksheet in Chapter 2.
- If you need to use the 'link' method to invoke the Online Scanner/Initiator, remove or comment out the code to 'start' transaction EDII and uncomment the code to 'link' to program EDIEOSI. In addition, if you did not choose EDI as your program image, change the first three characters of the program name EDIEOSI to the three-character program image specified on the Pre-Installation Worksheet in Chapter 2.

❑ Compile and link edit EDIEPLT into your CICS load library that was created during installation, **GENTRAN.V6X4.CTL.CICS.LOAD.**

Completed by:_____

Date: _____ **Time:**_____

CICS Resource Definitions for Gentran:Control Start-up

Step 21 Customize JCL member **CTLPLT**.

We provide a sample entry to add to your Program List Table (PLT) that will invoke the Automatic System Start-up program (EDIEPLT) during CICS startup. This step will help you update your PLT with this entry.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Review the PLT definition for your site requirements. Insert this PLT definition into the third initialization stage of your site PLT table.
- ❑ Globally change the value **`PIM`** to the three-character program image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Assemble and link the PLT table using your installation's JCL.
- ❑ Ensure that the PLT specified in the CICS System Initialization Table (SIT) parameter PLTPI=*xx* (where *xx* is the suffix of the PLT name) contains the Gentran:Control entry.
- ❑ Shut down and restart the CICS region to invoke the new PLT to start the Online Scanner/Initiator.

Completed by:_____

Date: _____ **Time:**_____

You have completed the installation of Gentran:Control and are now ready to begin the verification procedures described in the next chapter.

Chapter

4

Installation Verification

Overview

After you have completed the installation steps described in the previous chapter, you must verify your work. To do this, execute major Gentran:Control components and review the resulting batch reports and screens.

This chapter contains the following topics:

Topic	Page
Introduction	**4-2**
Requirements for Verification	**4-2**
System/Program Image Modifications	**4-2**
Verifying Batch/CICS Flow	**4-3**
Queue Write Process	4-6
CICS Queue Write Process	4-8
Verifying Online Screens	**4-14**
Using Jump Codes	4-14
Performing the Online Installation Verification Procedure	4-15
Verifying the Separator Process	**4-33**
Separator Subsystem Processing Flow	4-33
Performing the Separator Subsystem Verification Procedure	4-36

Introduction

Data on sample screens and batch reports in this guide will not match exactly the data that you see in your reports and on your screens. For example:

- Your run date and time will be different.
- The install data may have changed since the release of this guide.

This chapter is designed to help you to:

- Verify correct flow from one screen to another.
- Verify correct fields and PF keys on each screen and make sure no superfluous text is displayed on the screens.
- Get familiar with the system components, such as how to update the system and how to navigate more easily through the system.
- Verify correct layout of each report and make sure no error messages exist.

When you encounter discrepancies on the screens or batch reports, you must review the respective section in Chapter 3, “Installing Gentran:Control,” in this Installation Guide.

Complete the steps in this chapter in the order they are presented.

Requirements for Verification

The installation verification procedure in this chapter requires access to both the online and batch environments. In particular, you need the following:

- A CICS user ID and password enabling access to the Gentran CICS region.
- A Gentran user ID and password providing update access. Obtain this information from your System Administrator (or the person who installed the Gentran CICS feature).
- A TSO or equivalent system, which enables you to submit, monitor, and review batch jobs (for example, ISPF).
- Your CICS region, which contains Gentran, must be running.

System/Program Image Modifications

During the installation of Gentran:Control, if you changed the system and/or program image(s) to use a value other than EDI, you must make certain modifications so the tests in this chapter will perform according to the provided descriptions:

- Follow the instructions in Appendix B, “System Image and Program Image Features,” to make the required changes. You will modify the queue options and separator options to reflect values that you have chosen.
- Replace the value **`EDI`** with your system image characters whenever you execute a CICS transaction that begins with the characters **`EDI`**.

Verifying Batch/CICS Flow

Figure 4.1 and Figure 4.2 illustrate the flow of the installation verification procedure you are about to perform. The numbers in the illustration correspond to the steps listed after Figure 4.2 that describe the flow.

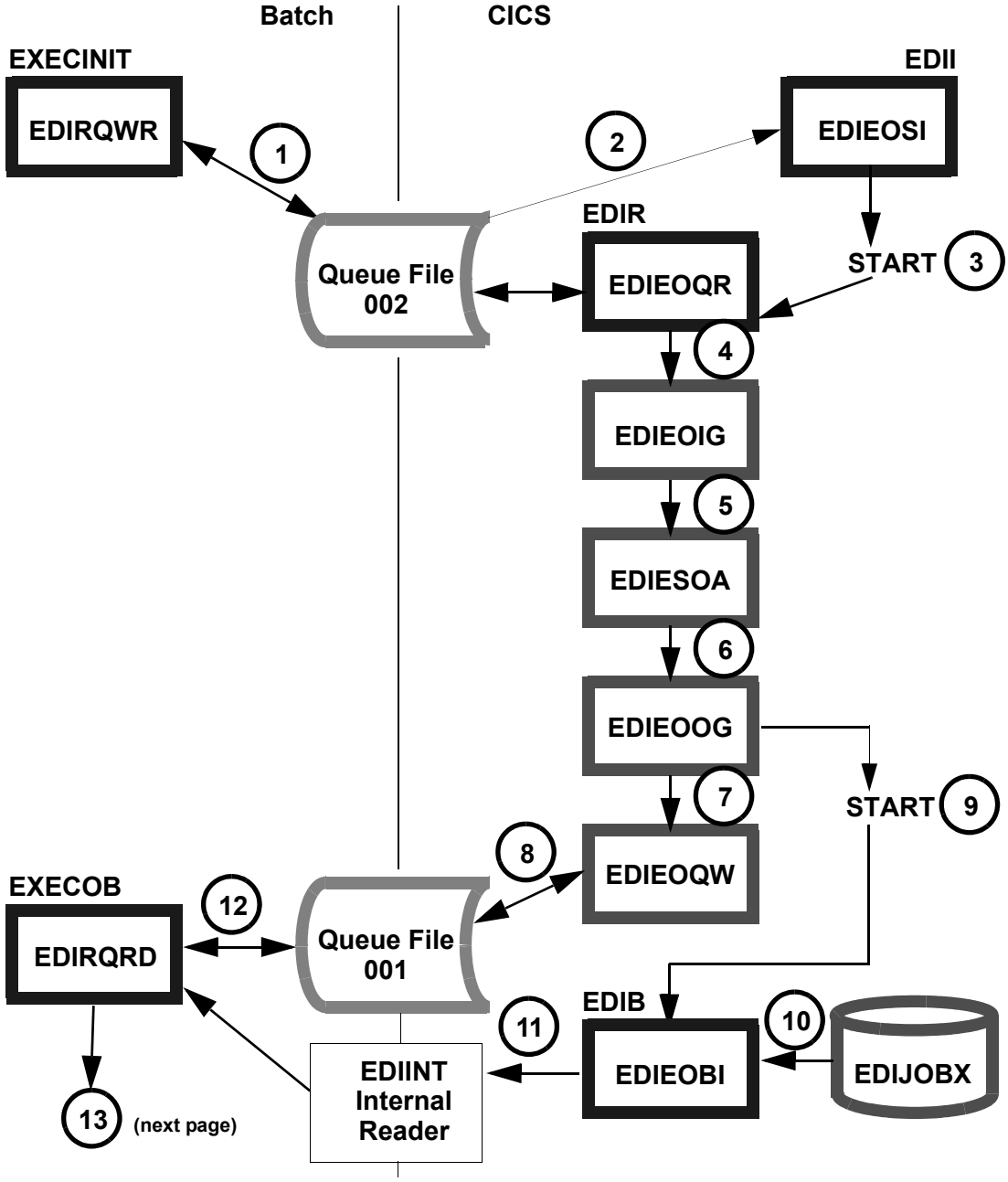


Figure 4.1 Batch/CICS Flow

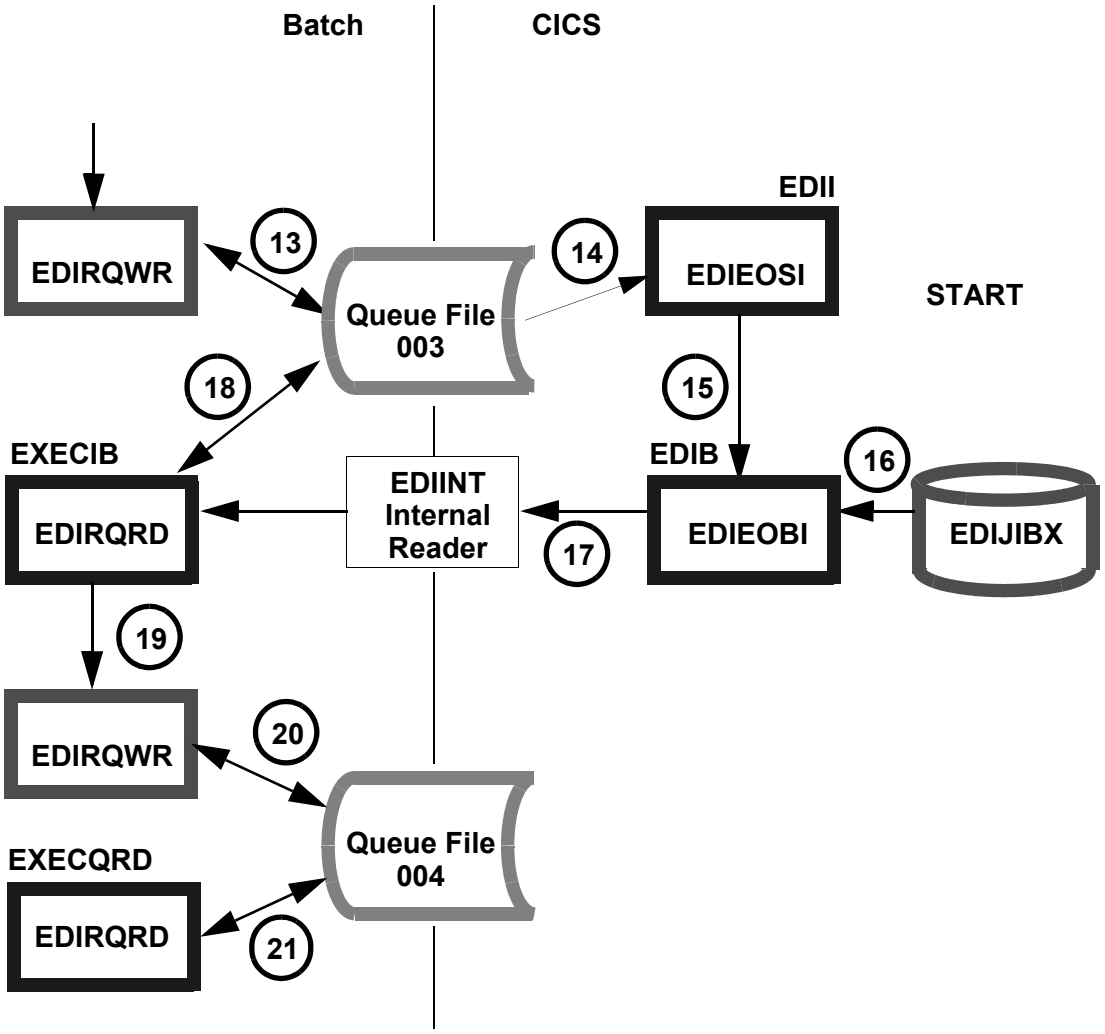


Figure 4.2 Batch/CICS Flow

The following steps describe the batch/CICS flow for the verification procedures you will perform for queue file processing in this chapter.

1. The batch job EXECINIT begins and executes the Queue Write program EDIRQWR to write test data to Queue File 002.

2. The Online Scanner/Initiator program (EDIEOSI) determines if the criteria has been met to begin CICS processing for the data present in Queue File 002.

3. The EDIR transaction is started by the Online Scanner/Initiator to read the data found in Queue File 002.

4. The EDIR transaction begins the Online Queue Read program (EDIEOQR) to read the data in Queue File 002 and link to the Online Input Gateway program (EDIEOIG) to pass the data to the next process.

5. The Sample Online Application program (EDIESOA) receives the data from EDIEOIG creates a copy of the data to be passed to the Online Output Gateway program (EDIEOOG).

6. EDIESOA passes the data to the Online Output Gateway (EDIEOOG) and requests in the communication link area that the batch process be started immediately.

7. The Online Output Gateway (EDIEOOG) links to the Online Queue Write program (EDIEOQW) and passes the data to the next process.

8. The Online Queue Write program (EDIEOQW) writes the data to Queue File 001.

9. The Online Batch Initiator program (EDIEOBI) is started by the Online Output Gateway (EDIEOOG) after the Online Queue Write program has finished writing data to Queue File 001.

10. The JCL in the file EDIRJCL (with a key of EDIJOBX) is read by the Online Batch Initiator program (EDIEOBI).

11. The Online Batch Initiator program (EDIEOBI) writes the JCL to the EDIINT Transient Data queue and initiates batch processing by submitting the EXECOB JCL to the Internal Reader.

12. EXECOB executes the Queue Read program (EDIRQRD) to read the data from Queue File 001.

13. EXECOB executes the Queue Write program (EDIRQWR) to write the data to Queue File 003.

14. The Online Scanner/Initiator program (EDIEOSI) executes, finds data, and determines that the trigger level has been satisfied for Queue File 003.

15. EDIEOSI starts the Online Batch Initiator transaction (EDIB) to begin batch processing.

16. The Online Batch Initiator program (EDIEOBI) reads the JCL in the file EDIRJCL with a key of EDIJIBX.

17. The Online Batch Initiator program (EDIEOBI) writes the JCL to the EDIINT Transient Data queue and initiates batch processing by submitting EXECIB JCL to the Internal Reader.

18. EXECIB executes the Queue Read program (EDIRQRD) to read the data from Queue File 003.

19. EDIRQRD passes the data to the Queue Write program (EDIRQWR).

20. EXECIB executes the Queue Write program (EDIRQWR) to write the data to Queue File 004.

21. The JCL EXECQRD is submitted and executes the Queue Read program (EDIRQRD) to read the data from Queue File 004 and write the data to a sequential file.

Queue Write Process

Perform the installation verification steps in this section to ensure that Gentran:Control was installed properly.

Step 1 Execute the Queue Write program (**EDIRQWR**) found in JCL member **EXECINIT**. This job will write test data to Queue File 002.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Modify JCL member **EXECINIT** to meet your installation requirements and submit.
- ❑ Verify the job results. You should not receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran tried to delete a file that does not exist. The file will be created during the job. The remaining steps should have a return code of 0.
- ❑ Compare your reports with the sample reports that follow.

```
REPORT DATE: 12/01/2005                GENTRAN:CONTROL                          PAGE   : 00001
REPORT TIME: 12:00:00                  BATCH QUEUE WRITE
REPORT ID  : EDIRQWR-EDISUM            SUMMARY REPORT                           VERSION: 6.4


    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION                = WRITE
_____________________________________________
OUTPUT QUEUE-FILE-DDNAME           = EDIQO002
INPUT FILE NAME                    = EDIIN
INPUT FILE TYPE                    = V
INPUT FILE LRECL                   = 2044
QUEUE-FILE-NUMBER                  = 002



 TOTAL RECORDS READ FROM EDIIN       :        68
 TOTAL RECORDS WRITTEN TO 002        :        68
    PROCESSING SUMMARY
    ------------------

 TOTAL # OF RECS WRITTEN TO QUEUES   :        68


NUMBER OF ERRORS THIS RUN            :         0
HIGHEST RETURN CODE THIS RUN         :         0
```

Figure 4.3 Sample EDISUM DD Output from EDIRQWR (Queue Write)

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                    PAGE    : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE WRITE                  VERSION: 6.4
REPORT ID  : EDIRQWR-EDILOG              PROCESSING LOG               COMPILE DATE: 12/01/05

    MESSAGES
    --------

EDI-010116-I 00 CENTRAL BATCH QUEUE FILE WRITE BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010117-I 00 CENTRAL BATCH QUEUE FILE WRITE ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.4 Sample EDILOG DD Output from EDIRQWR

Completed by:_____

Date: _____ **Time:**_____

CICS Queue Write Process

Perform the installation verification steps in this section to ensure that the outbound process was installed properly.

Step 2 Verify the results of the Queue Write process.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Review the output of jobs **EXECOB** and **EXECIB**.

  Note: You must wait for the Online Scanner/Initiator to run through two or three scans (this requires about four to six minutes) before each of these jobs run.

- ❑ Verify the job results. You should not receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran tried to delete a file that does not exist. The file will be created during the job. The remaining steps should have a return code of 0.

- ❑ Compare your reports with sample reports for **EXECOB** that follow.

```
************************************************
PROGRAM  EDIRQRD  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
************************************************

Rel # is......: 001
  QFile Num...: 001
  Out File....: EDIOUT
  File Type...: V
  File Lrecl..: 2040
ENQ successful.....: GENTRAN-READQ001Y
 On QFile Num...: 001
```

Figure 4.5 Sample SYSOUT DD Output from EDIRQRD

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                      PAGE   : 00001
REPORT TIME: 12:00:00                    BATCH QUEUE READ
REPORT ID  : EDIRQRD-EDISUM              SUMMARY REPORT                       VERSION: 6.4



    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION               = READ
_____________________________________________
INPUT DDNAME                      = EDIQI001
OUTPUT DDNAME                     = EDIOUT
OUTPUT FILE TYPE                  = V
OUTPUT FILE LRECL                 = 2040
QUEUE FILE NUMBER                 = 001


 RECORDS READ FROM Q FILE: 001.....:          68
 RECORDS WRITTEN TO FILE: EDIOUT...:          68


    PROCESSING SUMMARY
    ------------------

NUMBER OF RECORDS READ FROM QUEUES  :        68


NUMBER OF ERRORS THIS RUN           :         0
HIGHEST RETURN CODE THIS RUN        :         0
```

Figure 4.6 Sample EDISUM DD Output from EDIRQRD

```
 REPORT DATE: 12/01/2005                 GENTRAN:CONTROL                    PAGE   : 00001
 REPORT TIME: 12:00:00                   BATCH QUEUE READ                   VERSION: 6.4
 REPORT ID  : EDIRQRD-EDILOG              PROCESSING LOG                COMPILE DATE: 12/01/05

     MESSAGES
     --------

 EDI-010104-I 00 CENTRAL BATCH QUEUE FILE READ BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
 EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
 EDI-010105-I 00 CENTRAL BATCH QUEUE FILE READ ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.7 Sample EDILOG DD Output from EDIRQRD

```
************************************************
PROGRAM  EDIRQWR  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
************************************************

Rel # is......: 002
  QFile Num...: 003
  In File.....: EDIIN
  File Type...: F
  File Lrecl..: 000080
ENQ successful.....: GENTRAN-WRITQ003Y
 On QFile Num...: 003
```

Figure 4.8 Sample SYSOUT DD Output from EDIRQWR

```
REPORT DATE: 12/01/2005                 GENTRAN:CONTROL                          PAGE   : 00001
REPORT TIME: 12:00:00                  BATCH QUEUE WRITE
REPORT ID  : EDIRQWR-EDISUM             SUMMARY REPORT                          VERSION: 6.4

    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION                = WRITE
_____________________________________________
OUTPUT QUEUE-FILE-DDNAME           = EDIQO002
INPUT FILE NAME                    = EDIIN
INPUT FILE TYPE                    = F
INPUT FILE LRECL                   = 0080
QUEUE-FILE-NUMBER                  = 003


 TOTAL RECORDS READ FROM EDIIN       :        80
 TOTAL RECORDS WRITTEN TO 003        :        80
    PROCESSING SUMMARY
    ------------------

 TOTAL # OF RECS WRITTEN TO QUEUES   :        80


NUMBER OF ERRORS THIS RUN           :          0
HIGHEST RETURN CODE THIS RUN        :          0
```

Figure 4.9 Sample EDISUM DD Output from EDIRQWR

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                        PAGE   : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE WRITE                     VERSION: 6.4
REPORT ID  : EDIRQWR-EDILOG              PROCESSING LOG                  COMPILE DATE: 12/01/05

    MESSAGES
    --------

EDI-010116-I 00 CENTRAL BATCH QUEUE FILE WRITE BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010117-I 00 CENTRAL BATCH QUEUE FILE WRITE ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.10 Sample EDILOG DD Output from EDIRQWR

- ❑ Compare your reports with sample reports for **EXECIB** that follow.

```
**************************************************
PROGRAM  EDIRQRD  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
**************************************************

Rel # is......: 003
  QFile Num...: 003
  Out File....: EDIOUT
  File Type...: F
  File Lrecl..: 0080
ENQ successful.....: GENTRAN-READQ003Y
 On QFile Num...: 003
```

Figure 4.11 Sample SYSOUT DD Output from EDIRQRD

```
REPORT DATE: 12/01/2005                    GENTRAN:CONTROL                    PAGE    : 00001
REPORT TIME: 12:00:00                     BATCH QUEUE READ
REPORT ID  : EDIRQRD-EDISUM                SUMMARY REPORT                    VERSION: 6.4


    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION               = READ

_____________________________________________
INPUT DDNAME                      = EDIQI003
OUTPUT DDNAME                     = EDIOUT
OUTPUT FILE TYPE                  = F
OUTPUT FILE LRECL                 = 0080
QUEUE FILE NUMBER                 = 003

RECORDS READ FROM Q FILE: 003.....:          80
RECORDS WRITTEN TO FILE: EDIOUT...:          80

    PROCESSING SUMMARY
    ------------------
NUMBER OF RECORDS READ FROM QUEUES  :        80

NUMBER OF ERRORS THIS RUN           :         0
HIGHEST RETURN CODE THIS RUN        :         0
```

Figure 4.12 Sample EDISUM DD Output from EDIRQRD

```
REPORT DATE: 12/01/2005                GENTRAN:CONTROL                      PAGE    : 00001
REPORT TIME: 12:00:00                 BATCH QUEUE READ                     VERSION: 6.4
REPORT ID  : EDIRQRD-EDILOG            PROCESSING LOG                   COMPILE DATE: 12/01/05

     MESSAGES
     --------

EDI-010104-I 00 CENTRAL BATCH QUEUE FILE READ BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010105-I 00 CENTRAL BATCH QUEUE FILE READ ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.13 Sample EDILOG DD Output from EDIRQRD

```
************************************************
PROGRAM  EDIRQWR  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
************************************************

Rel # is......: 004
  QFile Num...: 004
  In File.....: EDIIN
  File Type...: V
  File Lrecl..: 000254
ENQ successful.....: GENTRAN-WRITQ004Y
 On QFile Num...: 004
```

Figure 4.14 Sample SYSOUT DD Output from EDIRQWR

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                    PAGE   : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE WRITE
REPORT ID  : EDIRQWR-EDISUM              SUMMARY REPORT                     VERSION: 6.4


    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION               = WRITE
_____________________________________
OUTPUT QUEUE-FILE-DDNAME          = EDIQO004
INPUT FILE NAME                   = EDIIN
INPUT FILE TYPE                   = V
INPUT FILE LRECL                  = 0254
QUEUE-FILE-NUMBER                 = 004



 TOTAL RECORDS READ FROM EDIIN       :        68
 TOTAL RECORDS WRITTEN TO 004        :        68
    PROCESSING SUMMARY
    ------------------

 TOTAL # OF RECS WRITTEN TO QUEUES   :        68


NUMBER OF ERRORS THIS RUN           :         0
HIGHEST RETURN CODE THIS RUN        :         0
```

Figure 4.15 Sample EDISUM DD Output from EDIRQWR

```
REPORT DATE: 12/01/2005                 GENTRAN:CONTROL                          PAGE   : 00001
REPORT TIME: 12:00:00                  BATCH QUEUE WRITE                         VERSION: 6.4
REPORT ID  : EDIRQWR-EDILOG             PROCESSING LOG                  COMPILE DATE: 12/01/05

    MESSAGES
    --------

EDI-010116-I 00 CENTRAL BATCH QUEUE FILE WRITE BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010117-I 00 CENTRAL BATCH QUEUE FILE WRITE ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.16 Sample EDILOG DD Output from EDIRQWR

Completed by:_____

Date: _____ **Time:**_____

Verifying Online Screens

This section provides steps for testing online screens to validate the correct installation of the Gentran:Control subsystem.

This section also includes a summarization that explains jump codes, a feature that helps you navigate the system faster and more directly than the menu system.

Using Jump Codes

In Gentran:Control, most screens have a jump code associated with them, which provides the capability to easily jump from screen to screen without navigating the menu system.

A jump code consists of up to 10 alphanumeric characters that appear in the upper left corner of the screen, to the right of the screen number. To navigate the Gentran:Basic/Control system using jump codes, do the following:

1. Press **Home** to move the cursor to the Jump Code field.

2. Type the jump code of the screen to which you want to jump and press **Enter**.

See “Jump Codes” in Chapter 3 of the *Gentran:Control for zSeries Release 6.4 User’s Guide* for detailed information on jump codes and guidelines for using them.

For a listing of all numeric and alphabetic jump codes by Gentran:Control screen, see *Appendix A* of the *Gentran:Control for zSeries Release 6.4 User’s Guide*.

Performing the Online Installation Verification Procedure

Perform the installation verification steps in this section to test the Gentran:Control online functions.

This section lists steps you will perform to verify that the subsystem, Gentran:Control, has been correctly installed in the Gentran:Basic system.

The Gentran Main Menu provides access to all subsystems in Gentran:Basic. The first step in the verification procedure explains how to access the Gentran Main Menu to complete the remaining verification steps:

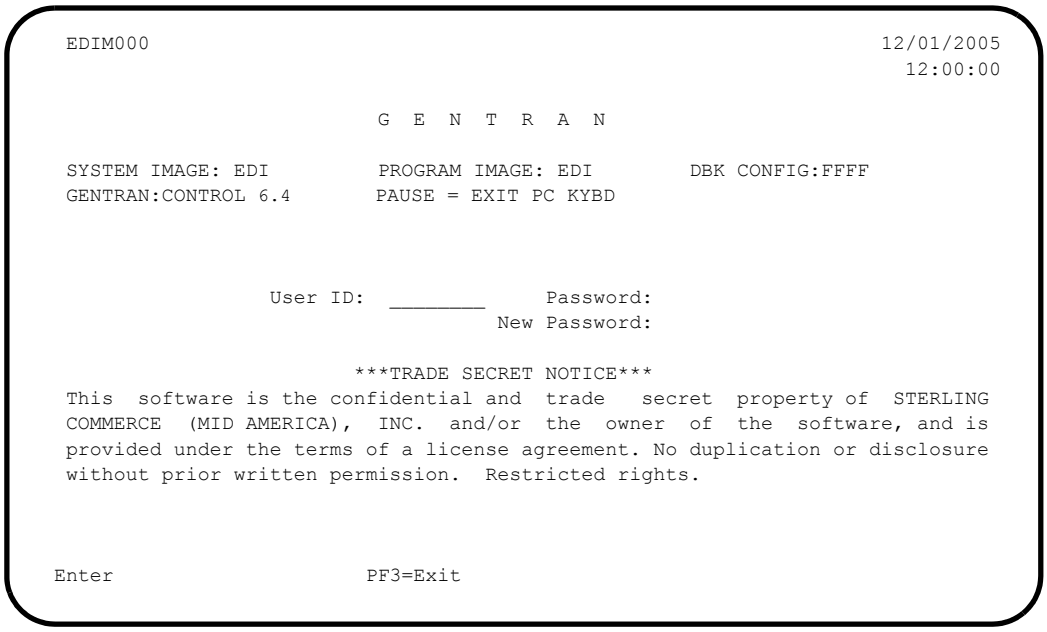
Step 3 Access the Gentran:Control subsystem.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Navigate to the appropriate screen for the CICS terminal and clear the screen. Type the system image ID and press **Enter**.

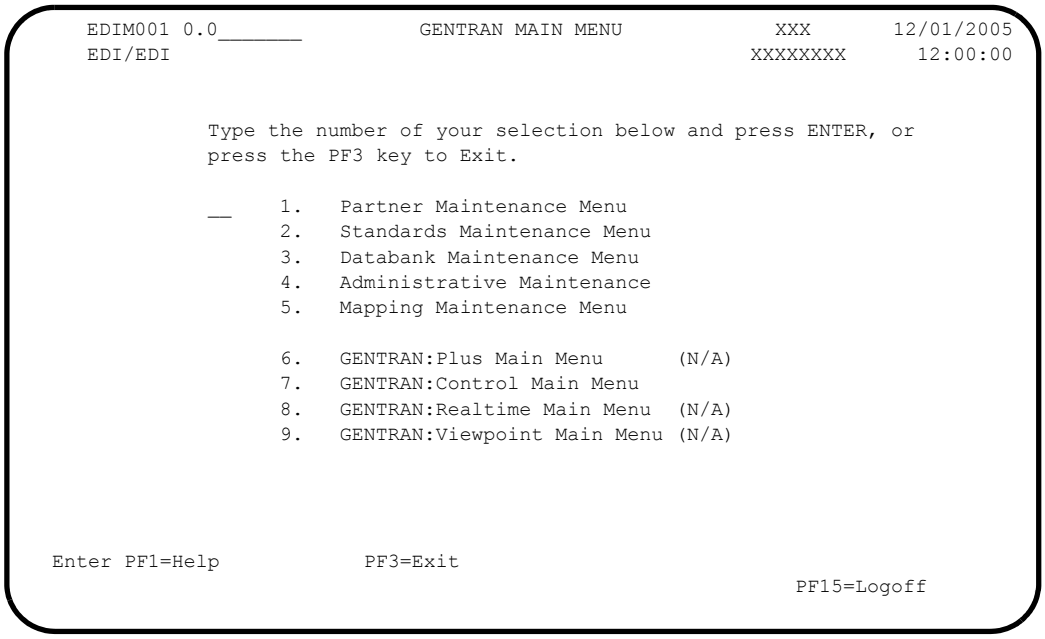
The Gentran:Basic logon screen is displayed.



Note: The four lines above the User ID and Password fields indicate which options are selected and which Gentran:Basic add-on products are installed on your system. See *Appendix C* for more information about the System Image Feature.

❑ Type **ADMIN** in the User ID field and press **Tab**. Type **SECURITY** in the Password field and press **Enter**.

The Gentran Main Menu (EDIM001) is displayed.



You can access all Gentran subsystems from this menu.

Note: If you are a new customer and have not configured security to authorize the use of the Gentran:Control subsystem, you must complete the remaining tasks in this step. If you have previously authorized Gentran:Control, skip the rest of this step and proceed to **Step 4**.

❑ Type **4** in the selection field and press **Enter**.

The Administrative Maintenance (EDIM210) screen is displayed.

```
EDIM210 4.0_______        ADMINISTRATIVE MAIN MENU          XXX    12/01/2005
                                                                    12:00:00


            Type the number of your selection below and press ENTER, or
            press the PF3 key to Exit.

                 _     1.   Security Maintenance Menu
                       2.   Message  Maintenance Menu
                       3.   Configuration Directory
                       4.   Global Parameter Maintenance
                       5.   Relationship Conversion    (N/A)
                       6.   Upload Process Maintenance
                       7.   Separator Menu
                       8.   Change Audit Menu




Enter PF1=Help            PF3=Exit
                                                          PF15=Logoff
```

- ❑ Type **1** in the selection field on the Administrative Main Menu and press **Enter**.

  The Security Maintenance Menu (EDIM200) screen is displayed.

```
   EDIM200 4.1_______        SECURITY MAINTENANCE MENU        XXX     12/01/2005
                                                                      12:00:00


            Type the number of your selection below and press ENTER, or
            press the PF3 key to Exit.

                       _   1.   User Id Directory

                           2.   User Id Maintenance




Enter PF1=Help            PF3=Exit
                                                          PF15=Logoff
```

- ❑ Type **2** in the selection field and press **Enter**.

The User ID Maintenance-1 menu (EDIM201) screen is displayed.

```
 EDIM201 4.1.2_____        USER ID MAINTENANCE-1            XXX     12/01/2005
                                                                      12:00:00

 User Id..... ________   Password..           Division.. ___   Initials.. ___

 Last Name.. ___________________________  First.. _______________  MI.. _

 Last Update Date..:            User..:

 Options                                  Access     Authority Level
 Partner Maintenance                      _  (Y/N)   _  (1/2/3)
 Standards Maintenance                    _  (Y/N)   _  (1/2/3)
 Databank Maintenance                     _  (Y/N)   _  (1/2/3/4/5/6)
 Mapping Integration                      _  (Y/N)   _  (1/2/3)
 Administrative Maintenance               _  (Y/N)   _  (1/2/3)
    Security Maintenance                  _  (Y/N)   _  (1/2/3)
    Message Maintenance                   _  (Y/N)   _  (1/2/3)
    Configuration File Maintenance        _  (Y/N)   _  (1/2/3)
    Global Parameter Maintenance          _  (Y/N)   _  (1/2/3)

PLEASE ENTER USER ID
Enter PF1=Help           PF3=Exit PF4=Dir        PF5=More Opts  PF6=Nxt User
                      PF9=Add PF10=Updt PF11=Del
```

- In the User Id field, type **ADMIN** and press **Enter**.

Note: Refer to Chapter 5, "The Administration Subsystem," in the *Gentran:Basic for zSeries Release 6.4 User's Guide* for a detailed description of the access and authority level settings.

The User ID Maintenance-1 menu (EDIM201) screen is displayed with the security settings for the ADMIN User ID.

```
  EDIM201 4.1.2_____        USER ID MAINTENANCE-1            XXX     12/01/2005
                                                                      12:00:00

 User Id..... ADMIN___   Password..           Division.. 000   Initials.. XXX

 Last Name.. LAST_____________________________  First.. FIRST__________  MI.. M

 Last Update Date..: 00/00/00   User..: XXX

 Options                                  Access     Authority Level
 Partner Maintenance                      Y  (Y/N)   1  (1/2/3)
 Standards Maintenance                    Y  (Y/N)   1  (1/2/3)
 Databank Maintenance                     Y  (Y/N)   1  (1/2/3/4/5/6)
 Mapping Integration                      Y  (Y/N)   1  (1/2/3)
 Administrative Maintenance               Y  (Y/N)   1  (1/2/3)
    Security Maintenance                  Y  (Y/N)   1  (1/2/3)
    Message Maintenance                   Y  (Y/N)   1  (1/2/3)
    Configuration File Maintenance        Y  (Y/N)   1  (1/2/3)
    Global Parameter Maintenance          Y  (Y/N)   1  (1/2/3)


Enter PF1=Help           PF3=Exit PF4=Dir        PF5=More Opts  PF6=Nxt User
                      PF9=Add PF10=Updt PF11=Del
```

- ❑ Press **PF5=More Opts** to display more options for this User ID.

  The User ID Maintenance-2 (EDIM202) screen is displayed.

```
  EDIM202 __________        USER ID MAINTENANCE-2            XXX     12/01/2005
                                                                      12:00:00

User Id..... ADMIN


Last Update Date..: 00/00/00   User..: XXX


Options                                    Access     Authority Level
GENTRAN:Plus                               N  (Y/N)   3  (1/2/3)
GENTRAN:Control                            N  (Y/N)   3  (1/2/3)
GENTRAN:Realtime                           N  (Y/N)   3  (1/2/3)
Realtime Databank Maintenance              N  (Y/N)   6  (1/2/3/4/5/6)
GENTRAN:Viewpoint                          N  (Y/N)   4  (1/2/3/4)
         Recipient              __________             (optional)




Enter PF1=Help           PF3=Exit PF4=Prev
                               PF10=Updt
```

- ❑ Press **Tab** to move the cursor to the Gentran:Control fields.
- ❑ Change the value in the Access field from **N** to **Y**.
- ❑ Change the value in the Authority Level field to **1**.
- ❑ Press **PF10=Updt** to update the security settings.

The User ID Maintenance-2 (EDIM202) screen is displayed with the updated security settings.

```
  EDIM202 _________        USER ID MAINTENANCE-2           XXX     12/01/2005
                                                                    12:00:00

User Id..... ADMIN


Last Update Date..: 00/00/00   User..: XXX


Options                                  Access     Authority Level
GENTRAN:Plus                             N  (Y/N)   3  (1/2/3)
GENTRAN:Control                          Y  (Y/N)   1  (1/2/3)
GENTRAN:Realtime                         N  (Y/N)   3  (1/2/3)
Realtime Databank Maintenance            N  (Y/N)   6  (1/2/3/4/5/6)
GENTRAN:Viewpoint                        N  (Y/N)   4  (1/2/3/4)
         Recipient                 _________           (optional)



USER ID UPDATED
Enter PF1=Help           PF3=Exit PF4=Prev
```

- ❑ For the changes you have made to take effect, you must exit and re-enter Gentran:Control by completing the following tasks:

  - Press **Home** to move the cursor to the Jump Code field, type **EXIT**, and press **Enter** to leave Gentran:Basic.

    OR

  - Press **PF3** several times to exit Gentran:Basic.

- ❑ Type your system image ID at the CICS terminal, and press **Enter**. At the Gentran:Basic logon screen, type your user ID and password and proceed to **Step 4**.

Completed by:_____

Date: _____ **Time:**_____

Step 4 Verify the online Gentran:Control system installation.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ On the Gentran Main Menu, type **7** in the selection field (Gentran:Control Main Menu) and press **Enter**.

The Control Main Menu (EDIM300) is displayed.

```
EDIM300 7.0_______          CONTROL MAIN MENU                XXX    12/01/2005
                                                                        12:00:00

          Type the number of your selection below and press ENTER, or
          press the PF3 key to Exit.

               _     1.   System Options Maintenance

                     2.   Queue Directory

                     3.   Queue Options Maintenance

                     4.   Online Log Display

                     5.   Separator Menu




Enter PF1=Help            PF3=Exit
                                                          PF15=Logoff
```

❑ On the Control Main Menu, type **1** in the selection field (Systems Options Maintenance) and press **Enter**.

The System Options Maintenance (EDIM301) screen is displayed.

```
   EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE           XXX  12/01/2005
                                                                        12:00:00


Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: E     E = Enabled        D = Disabled
System Trace............: D     E = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds

Error User Exit Program.: ________
Error User Exit Data....: ____________________



Last Update Date........: 00/00/00 Time:  00:00:00  User:  SCI

Enter PF1=Help            PF3=Exit                PF5=Queue
                                PF10=Updt                     PF13=Start
```

- ❑ Press **PF5=Queue**.

The Queue Directory screen (EDIM302) is displayed.

```
   Select
EDIM302 7.2_______          QUEUE DIRECTORY                    XXX  12/01/2005
                                                                        12:00:00


Starting Queue File Number:  ___

                                                        # of          Init JCL/
A Queue  Description                                    Docs Stat Src Act Trans
_  001   CONTROL INSTALLATION VERIFICATION                0   E   O   B   OBX
_  002   CONTROL INSTALLATION VERIFICATION                0   E   B   O   EDIR
_  003   CONTROL INSTALLATION VERIFICATION                0   E   B   B   IBX
_  004   CONTROL INSTALLATION VERIFICATION                1   E   B   N
_  005   CONTROL INSTALLATION VERIFICATION                0   E   O   N
_  006   CONTROL INSTALLATION VERIFICATION                0   E   B   O   EDIR
_
_
_
_


END OF ONLINE QUEUE RECORDS
Enter PF1=Help PF2=Data   PF3=Exit PF4=SysOpts    PF5=Maint      PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

- ❑ Type an **s** in the A (Action Code) field to the left of Queue File 004 and press **PF5=Maint**.

The Queue Options Maintenance screen (EDIM303) for Queue File 004 is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 004       CONTROL_INSTALLATION_VERIFICATION________
                                  SAMPLE QUEUE_FILE_004____________________
Status................: E              E=Enabled  D=Disabled
Source................: B              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: EXT_           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: N              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

❑ Press **PF2=Data**.

The Queue Options Data Display screen (EDIM307) for Queue file 004 is displayed.

```
EDIM307 __________     QUEUE OPTIONS DATA DISPLAY              XXX    12/01/2005
                          Unprocessed Records                           12:00:00

Queue File Number:  004      CONTROL INSTALLATION VERIFICATION
Starting Segment :  000001   SAMPLE QUEUE FILE 004
Screen Increment :  ____    Relative Screen Number:  00001

* VENDOR-1PONUMBER-001001010201STERLING_COMMERCE_INC.___4600_LAKEHURST_COURT__
  ___COLUMBUS_________________OH43017XYZ_COMPUTER_COMPANY_____1212_E._MAIN_ST.
  _________CINCINATTI_____________OH43015614-793-7000513-666-666601059507609
  876___________00000100-end_____________________________________________
* VENDOR-1PONUMBER-001002############################################################
  #######_____________________________________________________________________
  _____________________________________________________________________________
  _____________00000101-end_____________________________________________________
* VENDOR-1PONUMBER-001002####_____________PURCHASE_ORDER_INSTRUCTIONS__________
  ___####_____________________________________________________________________
  _____________________________________________________________________________
  _____________00000110-end_____________________________________________________
* VENDOR-1PONUMBER-001002####_____________________________________________________
LAST RECORD IS CONTINUED ON NEXT PANEL
Enter PF1=Help            PF3=Exit PF4=Options                  PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

❑ Press **PF6=Ddtl**.

The Queue Options Debug Detail screen (EDIM306) for Queue file 004 is displayed.

```
EDIM306 __________     QUEUE OPTIONS DEBUG DETAIL              XXX    12/01/2005
                                                                        12:00:00

Queue File Number..:  004   CONTROL INSTALLATION VERIFICATION
                              SAMPLE QUEUE FILE 004
                          Internal       Last           Last          Queue
                          TS Queue     Processed       Written       Created
Max Nbr Recs......:            26            26
Pointer...........:             3             3             8             8
Date..............:    12/01/2005    12/01/2005    12/01/2005    12/01/2005
Time..............:      12:00:00      12:00:00      12:00:00      12:00:00
Acc Doc Counter...:             1             1             2             2
Action Counter....:             0
Action to Initiate Pointers
Save Ptr..........:
Save Doc Counter..:
Task Scan Ptr.....:
CKP Ptr...........:
CKP Doc Counter...:
Task Post Ind.....:

 Enter PF1=Help PF2=Data   PF3=Exit PF4=Options
```

❑ Press **PF4=Options** to return to the Queue Options Maintenance screen.

The Queue Options Maintenance screen (EDIM303) for Queue file 004 is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 004       CONTROL_INSTALLATION_VERIFICATION________
                                  SAMPLE QUEUE_FILE_004____________________
Status................: E             E=Enabled  D=Disabled
Source................: B             O=Online write   B=Batch write
Trace.................: D             E=Enabled  D=Disabled
      Trigger Levels                  Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001  Doc Groups per Run...: 0001
Maximum Delay Time....: 0000          Minutes (with Low Range)
Time Based Interval...: EXT_          EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: N             B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___           Stall Limit.....: 15
Online TransID........: ____          Appl.Prog.......: ________
Exception Pgm.........: ________      TSQ Store Sw....: _  A=Auxiliary M=Main
                                                          C=TSQ Chaining
Error User Exit Pgm...: ________      Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del           PF14=Ddtl
```

❑ Press **PF5=Ext**.

The Extended Queue Options Maintenance screen (EDIM305) for Queue file 004 is displayed.

```
EDIM305 __________    EXTENDED QUEUE OPTIONS MAINTENANCE       XXX  12/01/2005
                                                                      12:00:00


Queue File Number:  004        GENTRAN:CONTROL INSTALLATION TEST
                               QUEUE FILE 004

             Day of Week          Start      Stop    Interval
            (S M T W T F S)       (HHMM)     (HHMM)  (Minutes)
            _ X _ X _ X _          0800       1200      0020
            _ _ X _ X _ _          0100       1700      0030
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
            _ _ _ _ _ _ _          ____       ____      ____
                        Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Options    PF6=Ddtl
                                PF10=Updt
```

❑ Press **PF3=Exit** to exit.

The Control Main Menu (EDIM300) is displayed.

```
EDIM300 7.0_______          CONTROL MAIN MENU                  XXX    12/01/2005
                                                                      12:00:00


            Type the number of your selection below and press ENTER, or
            press the PF3 key to Exit.

                 _     1.   System Options Maintenance

                       2.   Queue Directory

                       3.   Queue Options Maintenance

                       4.   Online Log Display

                       5.   Separator Menu




Enter PF1=Help           PF3=Exit
                                                          PF15=Logoff
```

❑ Type **4** in the selection field and press **Enter**.

The Online Log Display screen (EDIM304) is displayed.

```
Select
EDIM304 7.4_______          ONLINE LOG DISPLAY                XXX    12/01/2005
                                                                       12:00:00
Start: 12/01/2005 12:00:00 Stop:                      Last: 12:00:00 Scan: 0120
  Filters====> Errors Only: _    Program Only: ________
   Position       Task #     TranID        Time           Date     Max Count
   Criteria===>  _______      ____       ________      __________    0050

A    Task   Tran     Time       Date      Term   Program      Error Code
_   00103   EDIR   11:38:59   12/01/2005         EDIEOIG    EDI-10201-T 00
    ONLINE INPUT GATEWAY BEGINS . . . .   QUEUE: 002
_   00103   EDIR   11:39:09   12/01/2005         EDIEOIG    EDI-10202-T 00
    ONLINE INPUT GATEWAY ENDS . . . . .   QUEUE: 002
_   00103   EDIR   11:39:09   12/01/2005         EDIEOQR    EDI-10502-T 00
    ONLINE QUEUE READ ENDS  . . . . . .   QUEUE: 002
_   00107   EDIB   11:42:58   12/01/2005         EDIEOBI    EDI-10401-T 00
    ONLINE BATCH INITIATOR BEGINS . . .   QUEUE: 003
_   00107   EDIB   11:43:06   12/01/2005         EDIEOBI    EDI-10402-T 00
    ONLINE BATCH INITIATOR ENDS . . . .   QUEUE: 003
_   00020   EDII   10:24:16   12/01/2005         EDIEOSI    EDI-10308-I 00
    ONLINE SCANNER/INITIATOR INITIALIZED SUCCESSFULLY BY PLT

Enter PF1=Help            PF3=Exit               PF5=Action
      PF7=Bwd  PF8=Fwd
```

- ❑ On the Online Log Display screen, type an **s** in the A (Action Code) field to the left of any entry and press **PF5=Action**.

  The Online Log Detailed Display screen (EDIM308) is displayed.

```
   EDIM308 __________       ONLINE LOG DETAILED DISPLAY         XXX    12/01/2005
                                                                       12:00:00
Start: 12/01/2005 12:00:00 Stop:                      Last: 12:00:00 Scan: 0120
Filters====>  Errors Only:  _
   Max Count...:  0250

   Task #...:  0000103    TranID...:  EDIR  Date...: 12/01/2005 Term...:
  Error Message                          Time      Program    Error Code
  ONLINE QUEUE READ BEGINS  . . . . .   QUEUE: 002
                                         11:38:56  EDIEOQR    EDI-10501-T 00
  ONLINE INPUT GATEWAY BEGINS . . . .   QUEUE: 002
                                         11:38:59  EDIEOIG    EDI-10201-T 00
  ONLINE INPUT GATEWAY ENDS . . . . .   QUEUE: 002
                                         11:39:09  EDIEOIG    EDI-10202-T 00
  ONLINE QUEUE READ ENDS  . . . . . .   QUEUE: 002
                                         11:39:09  EDIEOQR    EDI-10502-T 00




TOP OF LOG FILE REACHED
Enter PF1=Help            PF3=Exit PF4=Log
      PF7=Bwd  PF8=Fwd
```

Note: The messages that display on your Online Log Display and Online Log Detailed Display screens may be different than the messages in our examples.

- ❑ Press **PF3=Exit** to exit.

The Control Main Menu screen (EDIM300) is displayed.

```
EDIM300 7.0_______          CONTROL MAIN MENU                  XXX    12/01/2005
                                                                        12:00:00

              Type the number of your selection below and press ENTER, or
              press the PF3 key to Exit.

                   _     1.   System Options Maintenance

                         2.   Queue Directory

                         3.   Queue Options Maintenance

                         4.   Online Log Display

                         5.   Separator Menu




Enter PF1=Help             PF3=Exit
                                                              PF15=Logoff
```

- ❑ Type `5` in the selection field for Separator Menu and press **Enter**.

  The Separator Main Menu screen (EDIM934) is displayed.

```
Select
EDIM934 7.5_______          SEPARATOR MAIN MENU                XXX    12/01/2005
                                                                        12:00:00

              Type the number of your selection below and press ENTER, or
              press the PF3 key to Exit.

                   _     1.   Separator Systems Options Maintenance

                         2.   Priority Options Directory

                         3.   Priority Options Maintenance

                         4.   Separator Monitor




Enter  PF1=Help            PF3=Exit
                                                              PF15=Logoff
```

- ❑ Type `1` in the selection field and press **Enter**.

The Separator Systems Options Maintenance screen (EDIM935) is displayed.

```
EDIM935 7.5.1_____     SEPARATOR SYSTEMS OPTIONS MAINTENANCE   XXX  12/01/2005
                                                                    12:00:00

Description.............: GENTRAN:CONTROL_SEPARATOR_SUBSYSTEM_____
                          ____________________________________
X12  Interchange Program .........:  EDIR931_     Key Usage Indicators
EDIFACT Interchange Program.......:  EDIR932_      Test/Prod Use.....:  Y
TRADACOMS Interchange Program.....:  EDIR933_      Trn/Grp/Int Only..:  T
User Interchange Program..........:  EDISXIT_      Grp IDs Only......:  Y
Monitor Indicator/Store Sw........:  1 /  1        Sndr/Rcvr Id Only.:  Y
  Monitor Maintenance.....(630)...:  _   DELETE PROCESSED DATA < TODAY'S DATE
                  .........(631)...:  _   DELETE ALL DATA < TODAY'S DATE
                  .........(632)...:  _   DELETE ALL DATA RECORDS
Trace Indicator...................:  D           Router Parameters
Exception Program.................:  EDIEXCP_      Max Start cnt.....:  10
TSQ Storage SW....................:  M             Max Wait Time.....:  00 05

Error User Exit Program...........:  ________
Error User Exit Data..............:  ____________________
                       Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help            PF3=Exit PF4=Run Maint  PF5=Dir
                                PF10=Updt
```

❑ Press **PF5=Dir**.

The Priority Directory screen (EDIM936) is displayed.

```
  Select
EDIM936 7.5.2_____          PRIORITY OPTIONS DIRECTORY         XXX  12/01/2005
                                                                    12:00:00

  Starting Trans/Group id....:  ______

A  Trans/  Sender ID                            Qual   Version      Test I/G/T
   Group   Receiver ID                          Qual   Description  Prod  Ind

                                                                        I
_                                                       DEFAULT SEPARATION OPTI
                                                                     P    T
_  DELHDR                                               TRADACOMS DELHDR TEST D
                                                                     T    T
_  INVOIC                                               EDIFACT INVOIC TEST DAT
                                                                     P    T
_  810                                                  X-12 810 TEST DATA

_



END OF FILE
Enter PF1=Help          PF3=Exit PF4=Option     PF5=Maint
      PF7=Bwd  PF8=Fwd
```

❑ From the Priority Options Directory screen, type **s** in the A (Action Code) field to the left of the Trans/Group ID entry INVOIC and press **PF5=Maint**.

The Priority Options Maintenance screen (EDIM937) is displayed.

```
EDIM937 7.5.3_____          PRIORITY OPTIONS MAINTENANCE        XXX  12/01/2005
                                                                       12:00:00
 ** K E Y S **
 Trans/Group ID.........:  INVOIC
 Sender ID / Qual.......:  ________________________________________ /  ____
 Receiver ID / Qual.....:  ________________________________________ /  ____
 Version................:  ____________
 Test/Prod Ind..........:  T
 Int/Grp/Trans Ind......:  T


 Description............:  EDIFACT_INVOIC_TEST_DATA___________

 System Image...:  EDI   Program Image...:  EDI
   Realtime Immediate Option.............:  ___
   Queue File Number.....................:  005  CONTROL INSTALLATION VERIF
 User Application Program..............:  ________
 Basic Separator Split file............:  003
 Priority..............................:  5
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=QOpt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

- ❑ Press **PF5=QOpt**.

  The Queue Options Maintenance screen (EDID303) for Queue file number 005 is displayed.

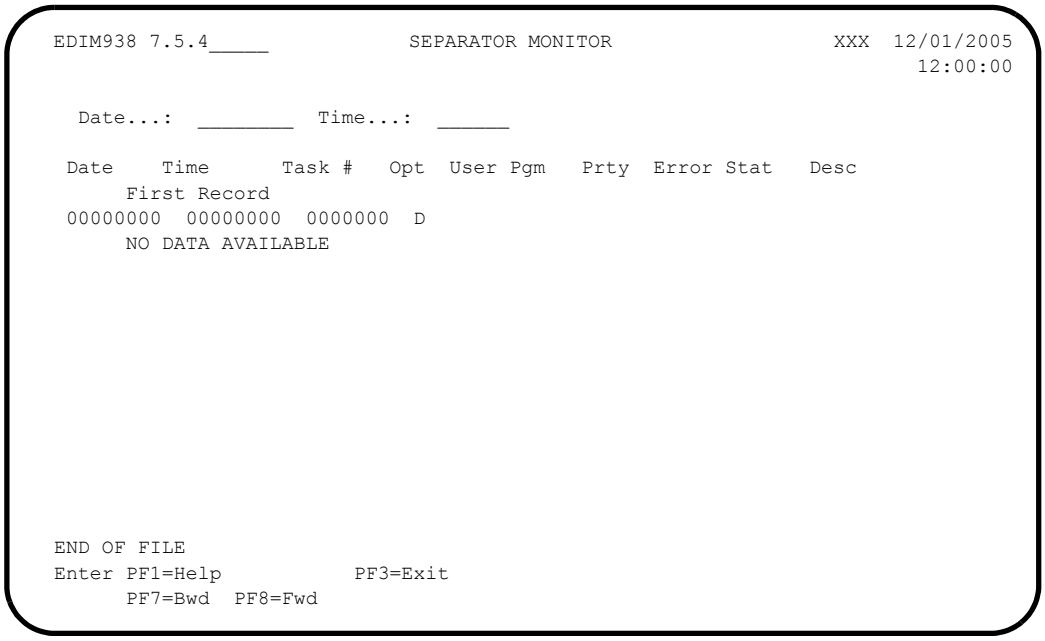
```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE             XXX  12/01/2005
                                                                       12:00:00

Queue File Number.....: 005       CONTROL INSTALLATION VERIFICATION ______
                                  TEST QUEUE FILE 005_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: N              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

- ❑ Type **`7.5.4`** in the Jump Code field and press **Enter**.

The Separator Monitor screen (EDIM938) is displayed.



❑ Exit the Gentran:Basic/Control system.

- Press **Home** to move the cursor to the Jump Code field, type **EXIT**, and press **Enter** to exit the Gentran:Basic/Control system.

  OR

- Press **PF3=Exit** several times to exit Gentran:Basic/Control.

Completed by:_____

Date: _____ **Time:**_____

Step 5 Remove all data from Queue File 004.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Modify JCL member **EXECQRD** and change the Queue file number from **???** to **004**.
- ❑ Submit the job.
- ❑ Verify the job results. You should not receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran tried to delete a file that does not exist. The file will be created during the job. The remaining steps should have a return code of 0.
- ❑ Compare your reports to the sample reports for **EXECQRD** that follow.

```
 ************************************************
PROGRAM  EDIRQRD  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
************************************************

Rel # is......: 004
  QFile Num...: 004
  Out File....: EDIOUT
  File Type...: V
  File Lrecl..: 2040
ENQ successful.....: GENTRAN-READQ004Y
 On QFile Num...: 004
```

Figure 4.17 Sample SYSOUT DD Output from EDIRQRD

```
REPORT DATE: 12/01/2005                GENTRAN:CONTROL                          PAGE   : 00001
REPORT TIME: 12:00:00                  BATCH QUEUE READ
REPORT ID  : EDIRQRD-EDISUM             SUMMARY REPORT                          VERSION: 6.4



    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION                = READ
_____________________________________________
INPUT DDNAME                       = EDIQI004
OUTPUT DDNAME                      = EDIOUT
OUTPUT FILE TYPE                   = V
OUTPUT FILE LRECL                  = 2040
QUEUE FILE NUMBER                  = 004



 RECORDS READ FROM Q FILE: 004.....:           68
 RECORDS WRITTEN TO FILE: EDIOUT...:           68


    PROCESSING SUMMARY
    ------------------

NUMBER OF RECORDS READ FROM QUEUES  :         68


NUMBER OF ERRORS THIS RUN           :          0
HIGHEST RETURN CODE THIS RUN        :          0
```

Figure 4.18 Sample EDISUM DD Output from EDIRQRD

```
REPORT DATE: 12/01/2005                 GENTRAN:CONTROL                       PAGE   : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE READ                      VERSION: 6.4
REPORT ID  : EDIRQRD-EDILOG              PROCESSING LOG                   COMPILE DATE: 12/01/05

    MESSAGES
    --------

EDI-010104-I 00 CENTRAL BATCH QUEUE FILE READ BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010105-I 00 CENTRAL BATCH QUEUE FILE READ ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.19 Sample EDILOG DD Output from EDIRQRD

Completed by:_____

Date: _____ **Time:**_____

Verifying the Separator Process

In this section, the online Separator subsystem screens and reports are verified to ensure the proper installation of Gentran:Control.

Separator Subsystem Processing Flow

Figure 4.20 illustrates the flow of the Separator subsystem portion of the installation verification that you are about to perform. The numbers in the illustration correspond to the steps listed after Figure 4.20 that describe the flow.

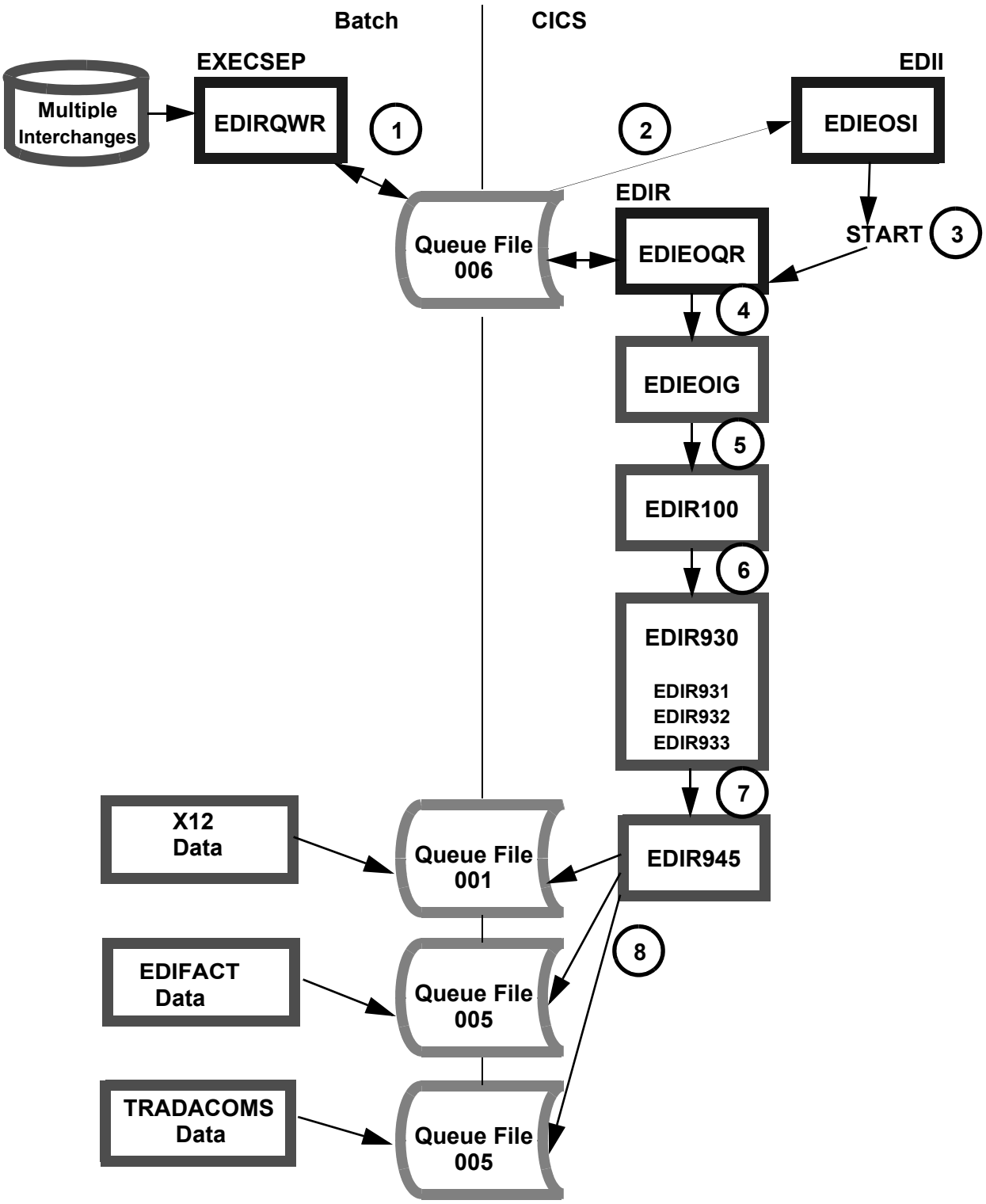


Figure 4.20 Separator Subsystem Processing Flow

The following steps describe the Separator Subsystem processing flow shown in Figure 4.20. This provides an overview of the processing that occurs during the verification procedure you perform in the next section.

1. When the JCL member EXECSEP is submitted, the Queue Write program EDIRQWR begins execution and writes the application data to Queue File 006.

2. The Online/Scanner Initiator program (EDIEOSI) initiates itself at the predetermined scan interval and determines that there is data in Queue File 006.

3. The EDIR transaction is then started, and the process to read the data from Queue File 006 begins.

4. After the Online Queue Read program (EDIEOQR) completes the process of reading all the data from Queue File 006, it links to the Online Input Gateway (EDIEOIG) that receives the data.

5. The data is then passed by the Online Input Gateway to the Separator subsystem using the Separator Gateway program (EDIR100).

6. The Separator Gateway program (EDIR100) passes the data to the Separator Driver program (EDIR930) to further separate the data into individual interchanges for processing. Data is then passed to the individual Interchange Priority Lookup programs (EDIR931, EDIR932, and EDIR933) to assign priorities and processes to individual interchanges.

7. After all data has been processed, the Separator Driver passes control to the Router program (EDIR945) to begin the translation process in the order of the priorities assigned.

8. The Router program (EDIR945) processes the separated interchanges and writes X-12 data to Queue files 001, EDIFACT data to Queue file 005, and TRADACOMS Data to Queue file 005.

For detailed information on the programs mentioned above, refer to the *Gentran:Control for zSeries Release 6.4 User's Guide*.

Performing the Separator Subsystem Verification Procedure

To access the Separator subsystem, you first must log on to the Gentran:Basic system.

The Gentran Main Menu provides access to all subsystems in Gentran:Basic/Control.

Step 6 Access the Gentran Main Menu.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Navigate to the appropriate screen for the CICS terminal and clear the screen. Type the system image ID and press **Enter**.

The Gentran:Basic logon screen is displayed.

```
EDIM000                                                        12/01/2005
                                                                 12:00:00

                          G  E  N  T  R  A  N

SYSTEM IMAGE: EDI          PROGRAM IMAGE: EDI        DBK CONFIG:FFFF
GENTRAN:CONTROL 6.4        PAUSE = EXIT PC KYBD



                  User ID:  ________      Password:
                                       New Password:

                          ***TRADE SECRET NOTICE***
This  software is the confidential and  trade   secret  property of  STERLING
COMMERCE  (MID AMERICA),  INC.  and/or  the  owner  of  the  software, and is
provided under the terms of a license agreement. No duplication or disclosure
without prior written permission.  Restricted rights.


Enter                      PF3=Exit
```

Note: The four lines above the User ID and Password fields indicate which options are selected and which Gentran:Basic add-on products are installed on your system.

See *Appendix C* for more information about the System Image feature.

❑ Type **ADMIN** in the User ID field and press **Tab**. Type **SECURITY** in the Password field and press **Enter**.

The Gentran Main Menu (EDIM001) is displayed.

```
EDIM001 0.0_______          GENTRAN MAIN MENU            XXX       12/01/2005
EDI/EDI                                                  XXXXXXXX    12:00:00


             Type the number of your selection below and press ENTER, or
             press the PF3 key to Exit.

             __     1.   Partner Maintenance Menu
                    2.   Standards Maintenance Menu
                    3.   Databank Maintenance Menu
                    4.   Administrative Maintenance
                    5.   Mapping Maintenance Menu

                    6.   GENTRAN:Plus Main Menu      (N/A)
                    7.   GENTRAN:Control Main Menu
                    8.   GENTRAN:Realtime Main Menu  (N/A)
                    9.   GENTRAN:Viewpoint Main Menu (N/A)



Enter PF1=Help           PF3=Exit
                                                        PF15=Logoff
```

Completed by:_____

Date: _____ **Time:**_____

Step 7 Change the trigger levels on Queue Files 001 and 005.

Typically performed by: System Installer

This step sets the trigger level to the number of documents present on the queue file when the translation starts.

Check the box next to each task as you complete it.

❑ On the Gentran Main Menu, type **7** in the selection field (Gentran:Control Main Menu) and press **Enter**.

The Control Main Menu screen (EDIM300) is displayed.

```
EDIM300 7.0_______          CONTROL MAIN MENU                XXX    12/01/2005
                                                                      12:00:00


              Type the number of your selection below and press ENTER, or
              press the PF3 key to Exit.

                   _     1.   System Options Maintenance

                         2.   Queue Directory

                         3.   Queue Options Maintenance

                         4.   Online Log Display

                         5.   Separator Menu




Enter PF1=Help            PF3=Exit
                                                          PF15=Logoff
```

❑ On the Control Main Menu, type **2** in the selection field (Queue Directory) and press **Enter**.

The Queue Directory screen (EDIM302) is displayed.

```
Select
EDIM302 7.2_______          QUEUE DIRECTORY                    XXX  12/01/2005
                                                                      12:00:00


Starting Queue File Number:  ___

                                                    # of          Init JCL/
A Queue  Description                                Docs Stat Src Act Trans
_  001   CONTROL INSTALLATION VERIFICATION             0   E   O   B   OBX
_  002   CONTROL INSTALLATION VERIFICATION             0   E   B   O   EDIR
_  003   CONTROL INSTALLATION VERIFICATION             0   E   B   B   IBX
_  004   CONTROL INSTALLATION VERIFICATION             0   E   B   N
_  005   CONTROL INSTALLATION VERIFICATION             0   E   O   N
_  006   CONTROL INSTALLATION VERIFICATION             0   E   B   O   EDIR
_
_
_
_


END OF ONLINE QUEUE RECORDS
Enter PF1=Help PF2=Data   PF3=Exit PF4=SysOpts    PF5=Maint      PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

- ❑ Type an **s** in the A (Action Code) field to the left of Queue 001 and press **PF5=Maint**.

  The Queue Options Maintenance screen (EDIM303) for Queue file 001 is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE             XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 001       CONTROL_INSTALLATION_VERIFICATION_______
                                  TEST_QUEUE_FILE_001_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                    Queue Priority.......: 2  (Value 1-9)
Range (Low/High)......: 0000 /  0001    Doc Groups per Run...: 0001
Maximum Delay Time....: 0000            Minutes (with Low Range)
Time Based Interval...: 0000            EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: B               B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: OBX             Stall Limit.....: 15
Online TransID........: ____            Appl.Prog.......: ________
Exception Pgm.........: ________        TSQ Store Sw....: _  A=Auxiliary M=Main
                                                            C=TSQ Chaining
Error User Exit Pgm...: ________        Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter          PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del           PF14=Ddtl
```

- ❑ Change the value in the Trigger Levels Range High field to **2** and press **PF10=Updt** to update the options set for Queue file 001.

The Queue Options Maintenance screen for Queue file 001 is displayed with the updated values.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                    12:00:00

Queue File Number.....: 001       CONTROL INSTALLATION VERIFICATION_______
                                  TEST QUEUE_FILE_001_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 2  (Value 1-9)
Range (Low/High)......: 0000 /  0002   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: B              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: OBX            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI
ONLINE CONTROL QUEUE RECORD UPDATED
Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del           PF14=Ddtl
```

- ❑ Type **005** in the Queue File Number field and press **Enter** to view the options set for Queue file 005.

  The Queue Options Maintenance screen for Queue file 001 is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                    12:00:00

Queue File Number.....: 005       CONTROL INSTALLATION VERIFICATION ______
                                  TEST QUEUE FILE 005_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: N              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del           PF14=Ddtl
```

- ❑ Change the value in the Trigger Levels Range High field to **3** and press **PF10=Updt** to update the options set for Queue File 005.

The Queue Options Maintenance screen for Queue file 005 is displayed with the updated values.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 005       CONTROL INSTALLATION VERIFICATION_______
                                  TEST QUEUE_FILE_005_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 / 0003   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: EXT_           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: N              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI
ONLINE CONTROL QUEUE RECORD UPDATED
Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

Completed by:_____

Date: _____ **Time:**_____

Step 8 Start the Separator process.

Typically performed by: System Installer

The tasks involved in submitting **EXECSEP** to execute program **EDIRQWR** to write the input test data to Queue File 006 are listed below.

Check the box next to each task as you complete it.

- ❑ Modify JCL member **EXECSEP** to meet your installation requirements and submit.
- ❑ Verify the job results. You should not receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran tried to delete a file that does not exist. The file will be created during the job. The remaining steps should have a return code of 0.
- ❑ Compare your report with the sample reports that follow:

```
*********************************************
PROGRAM  EDIRQWR  COMPILED 12/01/0512.00.00
VERSION 6.4  GENTRAN:CONTROL 12/01/05
CURRENT DATE IS 12/01/05
TIME STARTED IS 12:00:00
*********************************************

Rel # is......: 001
  QFile Num...: 006
  In File.....: EDIIN
  File Type...: F
  File Lrecl..: 000080
ENQ successful.....: GENTRAN-WRITQ006Y
 On QFile Num...: 006
```

Figure 4.21 Sample SYSOUT DD Output from EDIRQWR (Queue Write)

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                          PAGE   : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE WRITE
REPORT ID  : EDIRQWR-EDISUM              SUMMARY REPORT                          VERSION: 6.4


    OPTIONS USED THIS RUN
    ---------------------

REQUESTED-OPERATION                = WRITE
_____________________________________________
OUTPUT QUEUE-FILE-DDNAME           = EDIQO001
INPUT FILE NAME                    = EDIIN
INPUT FILE TYPE                    = F
INPUT FILE LRECL                   = 0080
QUEUE-FILE-NUMBER                  = 006



 TOTAL RECORDS READ FROM EDIIN       :       186
 TOTAL RECORDS WRITTEN TO 006        :       186
    PROCESSING SUMMARY
    ------------------

 TOTAL # OF RECS WRITTEN TO QUEUES   :       186


NUMBER OF ERRORS THIS RUN            :         0
HIGHEST RETURN CODE THIS RUN         :         0
```

Figure 4.22 Sample EDISUM Output from EDIRQWR (Queue Write)

```
REPORT DATE: 12/01/2005                  GENTRAN:CONTROL                      PAGE   : 00001
REPORT TIME: 12:00:00                   BATCH QUEUE WRITE                     VERSION: 6.4
REPORT ID  : EDIRQWR-EDILOG              PROCESSING LOG                   COMPILE DATE: 12/01/05

    MESSAGES
    --------

EDI-010116-I 00 CENTRAL BATCH QUEUE FILE WRITE BEGINS . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-009021-I 00 CHECK-POINT NOW INACTIVE . . . DATE: 12/01/2005, TIME: 12:00:00
EDI-010117-I 00 CENTRAL BATCH QUEUE FILE WRITE ENDS . . . . DATE: 12/01/2005, TIME: 12:00:00
```

Figure 4.23 Sample EDILOG Output from EDIRQWR (Queue Write)

Completed by:_____

Date: _____ **Time:**_____

Step 9 Verify that data has been written to Queue File 006.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Press **Home**. Type **`7.2`** in the Jump Code field and press **Enter**.

The Queue Directory screen (EDIM302) is displayed.

```
 Select
EDIM302 7.2_______          QUEUE DIRECTORY                    XXX  12/01/2005
                                                                      12:00:00


Starting Queue File Number:  ___

                                                          # of          Init JCL/
A Queue  Description                                      Docs Stat Src Act Trans
_  001   CONTROL INSTALLATION VERIFICATION                  0   E   O   B   OBX
_  002   CONTROL INSTALLATION VERIFICATION                  0   E   B   O   EDIR
_  003   CONTROL INSTALLATION VERIFICATION                  0   E   B   B   IBX
_  004   CONTROL INSTALLATION VERIFICATION                  0   E   B   N
_  005   CONTROL INSTALLATION VERIFICATION                  0   E   O   N
_  006   CONTROL INSTALLATION VERIFICATION                  1   E   B   O   EDIR
_
_
_
_


END OF ONLINE QUEUE RECORDS
Enter PF1=Help PF2=Data   PF3=Exit PF4=SysOpts    PF5=Maint      PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

❑ Verify that the value in the **`# of Docs`** field for Queue File 006 is **`1`**.

Note: If Queue File 006 has a value of **`0`** in the **`# of Docs`** field and Queue Files 001 and 005 have values of **`1`** and **`2`**, respectively, in the **`# of Docs`** field, this indicates that the Separator already has executed. Skip **Step 10** and **Step 11** and proceed to **Step 12**.

Completed by:_____

Date: _____ **Time:**_____

Step 10 View options on Queue File 006.

Typically performed by: System Installer

The tasks involved in viewing the options are listed below.

Check the box next to each task as you complete it.

❑ On the Queue Directory screen, type an **S** in the A (Action Code) field to the left of Queue File 006 and press **PF5=Maint**.

The Queue Options Maintenance screen (EDIM303) is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 006       CONTROL INSTALLATION VERIFICATION_______
                                  SAMPLE QUEUE_FILE_006___________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: O              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: EDIR           Appl.Prog.......: EDIR100
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                            C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

❑ Verify that the Appl.Prog field contains the value **EDIR100** for the Separator Gateway program.

❑ Verify that the Online TransID field contains the value **EDIR** for the Online Queue Read Transaction.

Completed by:_____

Date: _____ **Time:**_____

Step 11 Verify completion of the next scan interval.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Press **Home**. Type **`7.4`** in the Jump Code field to exit.

The Online Log Display screen (EDIM304) is displayed.

```
 Select
 EDIM304 7.4_______          ONLINE LOG DISPLAY                XXX    12/01/2005
                                                                        12:00:00
Start: 12/01/2005 12:00:00 Stop:                      Last: 12:00:00 Scan: 0120
  Filters====> Errors Only: _    Program Only: ________
   Position       Task #     TranID        Time           Date     Max Count
   Criteria===>  _______      ____       ________      __________    0050

 A    Task   Tran     Time       Date      Term   Program      Error Code
 _   00103   EDIR   11:38:59   12/01/2005         EDIEOIG    EDI-10201-T 00
     ONLINE INPUT GATEWAY BEGINS . . . .   QUEUE: 002
 _   00103   EDIR   11:39:09   12/01/2005         EDIEOIG    EDI-10202-T 00
     ONLINE INPUT GATEWAY ENDS . . . . .   QUEUE: 002
 _   00103   EDIR   11:39:09   12/01/2005         EDIEOQR    EDI-10502-T 00
     ONLINE QUEUE READ ENDS  . . . . . .   QUEUE: 002
 _   00107   EDIB   11:42:58   12/01/2005         EDIEOBI    EDI-10401-T 00
     ONLINE BATCH INITIATOR BEGINS . . .   QUEUE: 003
 _   00107   EDIB   11:43:06   12/01/2005         EDIEOBI    EDI-10402-T 00
     ONLINE BATCH INITIATOR ENDS . . . .   QUEUE: 003
 _   00020   EDII   10:24:16   12/01/2005         EDIEOSI    EDI-10308-I 00
     ONLINE SCANNER/INITIATOR INITIALIZED SUCCESSFULLY BY PLT

 Enter PF1=Help            PF3=Exit               PF5=Action
       PF7=Bwd  PF8=Fwd
```

Note: The Online Log Display screen illustrated in the above figure is a sample. The messages that display on your screen may be different than the ones displayed here.

❑ Press **Enter** to refresh the screen until the time value in the **`Last`** field (located near the top right corner of the screen) changes, indicating that the scan completed.

Note: The value in the Last field indicates the time of the most recent completion of the scanner.

Completed by:_____

Date: _____ **Time:**_____

Step 12 Verify the values in the **# of Docs** field for Queue files 001, 003, and 005.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Press **Home**. Type **`7.2`** in the Jump Code field and press **Enter**.

The Queue Directory screen (EDIM302) is displayed.

```
Select
EDIM302 7.2_______          QUEUE DIRECTORY                    XXX  12/01/2005
                                                                       12:00:00


Starting Queue File Number:  ___

                                                          # of          Init JCL/
A Queue  Description                                      Docs Stat Src Act Trans
_  001   CONTROL INSTALLATION VERIFICATION                   1   E   O   B   OBX
_  002   CONTROL INSTALLATION VERIFICATION                   0   E   B   O   EDIR
_  003   CONTROL INSTALLATION VERIFICATION                   0   E   B   B   IBX
_  004   CONTROL INSTALLATION VERIFICATION                   0   E   B   N
_  005   CONTROL INSTALLATION VERIFICATION                   2   E   O   N
_  006   CONTROL INSTALLATION VERIFICATION                   0   E   B   O   EDIR
_
_
_
_


END OF ONLINE QUEUE RECORDS
Enter PF1=Help PF2=Data   PF3=Exit PF4=SysOpts    PF5=Maint      PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

❑ Verify that after the next run of the Online Scanner/Initiator, values are **`1`** and **`2`** in the **`# of Docs`** field for Queue files 001 and 005, respectively.

Completed by:_____

Date: _____ **Time:**_____

Step 13 Verify that the Separator program has run properly.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ From the Queue Directory screen (EDIM302), type an **s** in the A (Action Code) field to the left of Queue File 001 and press **PF5=Maint**.

The Queue Options Maintenance screen (EDIM303) is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 001       CONTROL INSTALLATION VERIFICATION_______
                                  TEST QUEUE_FILE_001_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 2  (Value 1-9)
Range (Low/High)......: 0000 /  0002   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: B              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: OBX            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

❑ Press **PF2=Data** to view the data for Queue File 001.

The Queue Options Data Display screen (EDIM307) is displayed with the data for Queue File 001.

```
EDIM307 __________      QUEUE OPTIONS DATA DISPLAY            XXX  12/01/2005
                              Unprocessed Records                    12:00:00

Queue File Number:  001      CONTROL INSTALLATION VERIFICATION
Starting Segment :  000001   TEST QUEUE FILE 001
Screen Increment :  ____    Relative Screen Number:  00001

* ISA*00*__________*00*__________*ZZ*5136666666_____*ZZ*6147937000_____*010105
  *120-end_____________________________________________________________________
* 0*:*00403*000000005*0*P*>?GS*IN*121212121*987654321*20010105*1200*7*X*004030
  ?ST*-end_____________________________________________________________________
* 810*000070001?BIG*20010105*INV01*20010103*PONUMBER-001?NTE**----------------
  -----end_____________________________________________________________________
* ----------------------------------?NTE**_____________TERMS_ARE_SPECIFIED_B
  ELOW-end_____________________________________________________________________
* ?NTE**__DISCOUNT_WILL_NOT_BE_APPLIED_UNLESS_INVOICE_IS_PAID?NTE**__IN_FULL_B
  Y_TH-end_____________________________________________________________________
* E_DISCOUNT_DUE_DATE.?NTE**-------------------------------------------------
  -----end_____________________________________________________________________
* -?REF*SL*124?REF*DP*00547?REF*BC*CONTRACT42?REF*BT*000001?PER*SR*JOHN_BILLIN
LAST RECORD IS CONTINUED ON NEXT PANEL
Enter PF1=Help            PF3=Exit PF4=Options                  PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

- Type **005** in the Queue File Number field and press **Enter** to view the data for Queue File 005.

  The Queue Options Data Display screen (EDIM307) is displayed with the data for Queue File 005

```
EDIM307 __________      QUEUE OPTIONS DATA DISPLAY            XXX    12/01/2005
                              Unprocessed Records                      12:00:00

Queue File Number:  005      CONTROL INSTALLATION VERIFICATION
Starting Segment :  000001   TEST QUEUE FILE 005
Screen Increment :  ____    Relative Screen Number:  00001

* STX=ANA:1+5018206000008+5011111111111+940427:083000+004761+XXXXXX+DELHDR+B'_
  ____-end_____________________________________________________________________
* MHD=1+DELHDR:9'______________________________________________________________
  ____-end_____________________________________________________________________
* TYP=0600'____________________________________________________________________
  ____-end_____________________________________________________________________
* SDT=:1234A'__________________________________________________________________
  ____-end_____________________________________________________________________
* CDT=5012068025502'___________________________________________________________
  ____-end_____________________________________________________________________
* FIL=901+1+940427'____________________________________________________________
  ____-end_____________________________________________________________________
* MTR=6'_______________________________________________________________________
LAST RECORD IS CONTINUED ON NEXT PANEL
Enter PF1=Help            PF3=Exit PF4=Options                  PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

- ❑ On the Queue Options Data Display screen, scroll down about 14 times to see EDIFACT data for Queue File 005, as shown below.

```
EDIM307 __________      QUEUE OPTIONS DATA DISPLAY            XXX    12/01/2005
                              Unprocessed Records                      12:00:00

Queue File Number:  005      CONTROL INSTALLATION VERIFICATION
Starting Segment :  000085   TEST QUEUE FILE 005
Screen Increment :  ____    Relative Screen Number:  00014

  ____-end_____________________________________________________________________
* END=5'_______________________________________________________________________
  ____-end_____________________________________________________________________
* UNB+UNOA:4+600821634216182:ZZ:NETWORK_ADDR5+STERLING_COMMERCE:ZZ:NETWORK_ADD
  R5+2-end_____________________________________________________________________
* 0010106:1300+00000000000155+STERLING-PSWD:00+INVOIC+1++OVERSEAS_-_SFW_CONTRA
  CT_#-end_____________________________________________________________________
* 1+1'UNH+00000000002155+INVOIC:D:99B:UN'BGM+380:::STD.INVOICE+AQ210267+9+NA'D
  TM+3-end_____________________________________________________________________
* :20010106:101'DTM+11:20010105:101'RFF+ON:PONUM-145675'DTM+4:20010103:101'RFF
  +BC:-end_____________________________________________________________________
* CNTRCT1459'NAD+SF+++WAREHOUSE_#225+174-05_69TH_AVE+FLUSHING+NY+11365'NAD+RE+
  ++OV-end_____________________________________________________________________

Enter PF1=Help            PF3=Exit PF4=Options                  PF6=Ddtl
      PF7=Bwd  PF8=Fwd
```

Completed by:_____

Date: _____ **Time:**_____

Step 14 Remove test data from Queue Files 001 and 005 to complete the verification.

Typically performed by: System Installer

The tasks involved in deleting, redefining, and formatting Queue Files 001 and 005 to remove test data are listed below.

Check the box next to each task as you complete it.

❑ Turn off all functions within the system to halt processing of data by disabling the System Status.

- Press **PF3=Exit** to leave the Queue Option Data Display screen and return to the Control Menu. Type **1** to select System Options Maintenance screen (EDIM301) and press **Enter**.

  OR

- Type **7.1** in the Jump Code Field and press **Enter**.

```
EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE           XXX  12/01/2005
                                                                    12:00:00

Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: E     E = Enabled        D = Disabled
System Trace............: D     D = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds
Error User Exit Program.: ________
Error User Exit Data....: ____________________




Last Update Date........: 00/00/00 Time:  00:00:00  User:  SCI

Enter PF1=Help            PF3=Exit               PF5=Queue
                                PF10=Updt                    PF13=Start
```

❑ Type **D** in the System Status field to disable the system and press **PF10=Updt** to update the systems options.

The System Options Maintenance screen is displayed with the updated values.

```
EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                     12:00:00

Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........  D     E = Enabled        D = Disabled
System Trace............: D     D = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds
Error User Exit Program.: ________
Error User Exit Data....: ____________________



Last Update Date........: 00/00/00 Time:  00:00:00 User:  SCI
ONLINE CONTROL SYSTEM RECORD UPDATED

Enter PF1=Help            PF3=Exit               PF5=Queue
                                PF10=Updt                     PF13=Start
```

- ❑ Exit the Gentran:Basic/Control system.
  - Press **Home** to move the cursor to the Jump code field, type **EXIT**, and press **Enter**.

    OR

  - Press **PF3=Exit** several times to exit Gentran:Basic/Control.
- ❑ Close and disable Queue Files **EDIQ001** and **EDIQ005** by issuing the following CICS commands from your CICS terminal:

  CEMT SET FILE(SIMQ001) CLO DIS

  CEMT SET FILE(SIMQ005) CLO DIS
- ❑ Use job **EXECQMT** to recreate Queue File **EDIQ001**. Modify JCL member **EXECQMT** to meet your installation requirements and submit.
- ❑ Verify the job results. You should not receive a return code greater than 8. A return code of 8 usually indicates that during a step, Gentran tried to delete a file that does not exist. The file will be created during the job. The remaining steps should have a return code of 0.
- ❑ Repeat the previous two items for Queue File **EDIQ005**.
- ❑ Open and enable Queue Files **EDIQ001** and **EDIQ005** by issuing the following CICS commands from your CICS terminal:

  CEMT SET FILE(SIMQ001) OPE ENA

  CEMT SET FILE(SIMQ005) OPE ENA

❑ Turn on all functions within the system to begin processing of data by enabling the System Status.

- Clear your CICS terminal screen, type your system image ID, and press **Enter** to display the Gentran logon screen.
- Type your User ID and Password and press **Enter** to display the Gentran Main Menu.
- Type **7** and press **Enter** to display the Gentran:Control Main Menu.
- From the Control Menu, type **1** to select Systems Options Maintenance screen (EDIM301) and press **Enter**.

  OR

- Type **7.1** in the Jump Code Field and press **Enter**.

```
EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                     12:00:00

Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: D     E = Enabled        D = Disabled
System Trace............: D     D = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds
Error User Exit Program.: ________
Error User Exit Data....: ________________________




Last Update Date........: 00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help            PF3=Exit               PF5=Queue
```

❑ Type **E** in the System Status field to enable the system and press **PF10=Updt** to update the systems options.

The System Options Maintenance screen is displayed with the updated values.

```
EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                     12:00:00

Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: E     E = Enabled        D = Disabled
System Trace............: D     D = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds
Error User Exit Program.: ________
Error User Exit Data....: ____________________




Last Update Date........: 00/00/00 Time:  00:00:00 User:  SCI
ONLINE CONTROL SYSTEM RECORD UPDATED
Enter PF1=Help            PF3=Exit               PF5=Queue
                                PF10=Updt                     PF13=Start
```

- ❑ Press **PF13=Start** option to start Gentran:Control and the Online Scanner/ Initiator processing.

```
EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                     12:00:00

Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: E     E = Enabled        D = Disabled
System Trace............: D     D = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds
Error User Exit Program.: ________
Error User Exit Data....: ____________________




Last Update Date........: 00/00/00 Time:  00:00:00 User:  SCI
DEPRESS PF13 TO CONFIRM START OR PF12 TO CANCEL
Enter PF1=Help            PF3=Exit               PF5=Queue
                                PF10=Updt                     PF13=Start
```

Confirmation is required to complete this action. Press **PF13=Start** again.

The following message is displayed:
`Scanner has been started successfully`.

Completed by:_____

Date: _____ **Time:**_____

The installation verification procedures are complete.

Chapter 5 Converting to Release 6.4

Overview

This chapter explains the steps involved in converting to Gentran:Control for zSeries Release 6.4 from Gentran:Control for MVS Release 6.0, Gentran:Control for OS/390 Release 6.1, Gentran:Control for zSeries Release 6.2, or Gentran:Control for zSeries Release 6.3. Customers who are using earlier releases of Gentran:Control should contact the Gentran Customer Support Center.

> **Note:** If you are a new Gentran:Control customer, this procedure does not pertain to your system. Skip this chapter.

The chapter contains the following topics.

Topic **Page**

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Convert the Separator Files 5-9

Modify system image and program image. 5-10

Introduction

You must complete the installation verification procedure (see Chapter 4 of this guide) before you perform the conversion process.

Note: All JCL members referenced in this chapter are located in either GENTRAN.V6X4.JCL or GENTRAN.V6X4.CTL.JCL.

When you are using the system image feature, file names will be different for tasks requiring you to close, disable, open, and enable files.

If you are converting your production system, verify that no data is currently being written to the Queue files and that all Queue files are empty before you convert to the new system. To do this, set all high trigger levels to 0001 on the Queue Options Maintenance screens, then wait until the Scanner empties all of the files. See the *Gentran:Control for zSeries Release 6.4 User's Guide* for additional information.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE            XXX  12/01/2005
                                                                    12:00:00

Queue File Number.....: 001       CONTROL_INSTALLATION_VERIFICATION_______
                                  TEST_QUEUE_FILE_001_____________________
Status................: E              E=Enabled  D=Disabled
Source................: O              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 2  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: B              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: OBX            Stall Limit.....: 15
Online TransID........: ____           Appl.Prog.......: ________
Exception Pgm.........: ________       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                           C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter          PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del           PF14=Ddtl
```

Caution: Back up all of your files and close the files before beginning the conversion steps.

Converting Files to the Release 6.4 Formats

Convert the Checkpoint File

Step 1 This step defines the Gentran:Control system Checkpoint file.

Typically performed by: System Installer

There is no actual conversion of the Checkpoint file. This step simply deletes and redefines it. It is then initialized during the initialization of the Queue files in **Step 2**.

Check the box next to each task as you complete it.

- ❑ Customize JCL member **DEFCKP**.
- ❑ If necessary, close and disable the **SIMCKP** file in the Release 6.4 CICS environment.
- ❑ Submit the **DEFCKP** job.
- ❑ Verify that the job completed with a return code of zero.
- ❑ Open and enable the **SIMCKP** file in the Release 6.4 CICS environment.

Completed by:_____

Date: _____ **Time:**_____

Convert the Queue Files

Step 2 This step deletes and redefines the Queue files. Each queue file is formatted and initialized and entries for the queue file are created in the Checkpoint file.

> **Note:** Queue file conversion involves executing the Queue Format program to build Release 6.4 versions of your current Queue files. Make a list of your current queue files and their sizes to use when redefining the new Release 6.4 queue files.

Typically performed by: System Installer

There is no actual conversion of the Queue files, therefore no data is copied from your previous Queue files. This step simply deletes, redefines, and initializes the new Queue files.

Check the box next to each task as you complete it.

- ❑ Customize JCL member **EXECQMT**.
- ❑ If necessary, close and disable the **SIMQnnn** file in the Release 6.4 CICS environment.
- ❑ Submit the **EXECQMT** job.
- ❑ Verify that the job completed with a return code of zero.
- ❑ If necessary, define and install the **SIMQnnn** file in the CICS System Definition file of the Release 6.4 CICS environment.
- ❑ Open and enable the **SIMQnnn** file in the Release 6.4 CICS environment.
- ❑ Repeat the tasks in this step for each Queue file you need to convert.

Completed by:_____

Date: _____ **Time:**_____

Convert the Online Control File

Step 3 This step deletes and redefines the Online Control file. The old Control file is converted to the Release 6.4 file.

> **Note:** If you are converting from Release 6.0, use JCL member **CNVOCF60**. If you are converting from Release 6.1, use JCL member **CNVOCF61**. If you are converting from Release 6.2, use JCL member **CNVOCF62**. If you are converting from Release 6.3, use JCL member **CNVOCF63**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Customize JCL member **CNVOCF60**, **CNVOCF61**, **CNVOCF62**, or **CNVOCF63**.
- ❑ If necessary, close and disable the **SIMOCF** file in the Release 6.4 CICS environment.
- ❑ Submit the **CNVOCFxx** job.
- ❑ Verify that the job completed with a return code of zero.
- ❑ Open and enable the **SIMOCF** file in the Release 6.4 CICS environment.
- ❑ Review your online Queue file options and, if necessary, update new fields or required values. See Chapter 3 in the *Gentran:Control for zSeries Release 6.4 User's Guide* for more information.

Completed by:_____

Date: _____ **Time:**_____

Convert the JCL Files

Step 4 Unload your **EDIRJCL** file.

Note: The JCL members used in this step are in the Gentran:Basic file **`GENTRAN.V6X4.JCL`**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Customize JCL member **EXECJCLR** and submit. This job will read your **EDIRJCL** file and generate a report that lists all of the JCL members contained in this file. Change the data set name in the DD statement **EDIRJCL** in STEP01 to reference your 6.0, 6.1, 6.2, or 6.3 EDIRJCL file.
- ❑ Review the report created by **EXECJCLR**. You will use the names listed on this report in the next task to unload the **EDIRJCL** file.
- ❑ Customize JCL member **UNLDJCL**. Read the comments within the JCL member and follow additional instructions. Change the data set name in the DD statement **EDIRJCL** in STEP02 to reference your 6.0, 6.1, 6.2, or 6.3 **EDIRJCL** file.
- ❑ Replace **`########`** with the JCL name to be unloaded.
- ❑ Submit the JCL member.
- ❑ Verify job results. You should never receive a return code greater than 0.
- ❑ Repeat the tasks in this step for each JCL name listed on the report created above.

Completed by: _____

Date: _____ **Time:** _____

Step 5 Migrate the sequential JCL to Release 6.4.

Typically performed by: System Installer

Check the box next to each task as you complete it.

❑ Review and update each sequential JCL file created by **Step 4**.

Typical changes that may be needed include:

- Data set name changes for new 6.4 file names
- Release 6.4 load libraries
- Addition of new files for Release 6.4
- Deletion of files/DD statements
- DCB changes

Note: For a complete list of Release 6.4 JCL changes, see the JCL impact sections in the *Gentran for zSeries Release 6.4 Release Notes and Impact Guide.*

Note: If you are converting from Gentran:Control for zSeries Release 6.2, also see the JCL impact sections in the *Gentran for zSeries Release 6.3 Release Notes and Impact Guide.*

Note: If you are converting from Gentran:Control for OS/390 Release 6.1, also see the JCL impact sections in the *Gentran for zSeries Release 6.2 Release Notes and Impact Guide.*

Note: If you are converting from Gentran:Control for MVS Release 6.0, also see the JCL impact sections of the following documents:

- *Gentran:Basic for OS/390 Release 6.1 Release Notes*
- *Gentran:Control for OS/390 Release 6.1 Release Notes*
- *Gentran:Plus for OS/390 Release 6.1 Release Notes*
- *Gentran:Realtime for OS/390 Release 6.1 Release Notes*
- *Gentran:Structure for OS/390 Release 6.1 Release Notes*
- *Gentran:Viewpoint for OS/390 Release 6.1 Release Notes*

❑ Execute a Syntax check on customized JCL members to reduce the chance of errors during processing.

❑ Repeat the tasks in this step for each sequential JCL file created above.

Completed by:_____

Date: _____ **Time:**_____

Step 6 Load the sequential JCL to the Release 6.4 **EDIRJCL** file.

Note: The JCL member used in this step is in the Gentran:Basic file **`GENTRAN.V6X4.JCL`**.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Close and disable the **SIMRJCL** file in the Release 6.4 CICS environment.
- ❑ Customize JCL member **EXECJCLX** and submit. Provide the data set name for the sequential JCL member to be processed in the **SEQJCL** DD statements. Update the ADD parameter card with the JCL name being processed by this run.

  Note: Use the system image (as indicated in your Pre-installation Worksheet) for the first three characters of each JCL name.
- ❑ Verify that the job completed with a return code of zero.
- ❑ Repeat the tasks in this step for each sequential JCL file created and modified in **Step 4** and **Step 5**.
- ❑ Enable the **SIMRJCL** file in the Release 6.4 CICS environment.

Completed by:_____

Date: _____ **Time:**_____

Convert the Separator Files

Step 7 This step deletes and redefines the Separator system files.

- The Separator Control file **EDIRSEP** is converted from the Gentran:Control Release 6.0, 6.1, 6.2, or 6.3 file.
- The Monitor header file **EDIRMNH** and the Monitor store file **EDIRMNS** are created as empty VSAM files.

Note: If you are converting from Release 6.0, use JCL member CNVSEP60. If you are converting from Release 6.1, use JCL member CNVSEP61. If you are converting from Release 6.2, use JCL member CNVSEP62. If you are converting from Release 6.3, use JCL member CNVSEP63.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Customize JCL member **CNVSEP60**, **CNVSEP61**, **CNVSEP62**, or **CNVSEP63**.
- ❑ If necessary, close and disable these files in the Release 6.4 CICS environment:
  - SIMRSEP
  - SIMRMNH
  - SIMRMNS
- ❑ Submit the **CNVSEPxx** job.
- ❑ Verify that the job completed with a return code of zero.
- ❑ Open and enable these files in the Release 6.4 CIC environment:
  - SIMRSEP
  - SIMRMNH
  - SIMRMNS

Completed by:_____

Date: _____ **Time:**_____

Modify system image and program image.

Step 8 If you are using system and/or program images that are not the same as you used previously, you must follow the instructions in the "Modifying Gentran:Control Files" step in Appendix B, "System Image and Program Image Features," to ensure that the queue options and separator options reflect the values that you have chosen.

Completed by: _____

Date: _____ **Time:** _____

You have now completed the conversion process.

Chapter

6

Implementing Gentran:Control

Overview

This chapter explains the final tasks to be completed to implement Gentran:Control.

This chapter contains the following topics:

Topic	Page
Deleting Installation Files	6-2
System Configuration	6-3

Deleting Installation Files

After the successful installation of Gentran:Control, the files that you uploaded to your mainframe and the files that you used to build the permanent Gentran:Control files are no longer needed. The instructions in this topic explain how to delete those files, which frees up disk space.

Note: Leaving the files on your mainframe will not hinder Gentran:Control performance. If you do not want to delete the files, you may skip this section.

Step 1 Customize JCL member **DELFILES** and submit.

Typically performed by: *System Installer*

Check the box next to each task as you complete it.

- ❑ Add a job card.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**`GENTRAN.V6X4`**).
- ❑ Read the comments within the JCL and follow any additional instructions.
- ❑ Submit the job.
- ❑ Verify the job results. You should never receive a return code greater than 0.

Completed by: _____

Date: _____ **Time:** _____

System Configuration

You will use the Configuration Maintenance subsystem to complete the tasks in this section to configure your system.

Step 2 Implement Gentran:Control.

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Log on to Gentran.
- ❑ From the Gentran Main Menu, type **4** in the selection field and press **Enter** to display the Administrative Main Menu (EDIM210).

```
EDIM210 4.0_______        ADMINISTRATIVE MAIN MENU          XXX    12/01/2005
                                                                      12:00:00


            Type the number of your selection below and press ENTER, or
            press the PF3 key to Exit.

                 _     1.   Security Maintenance Menu
                       2.   Message  Maintenance Menu
                       3.   Configuration Directory
                       4.   Global Parameter Maintenance
                       5.   Relationship Conversion    (N/A)
                       6.   Upload Process Maintenance
                       7.   Separator Menu
                       8.   Change Audit Menu




Enter PF1=Help            PF3=Exit
                                                          PF15=Logoff
```

- ❑ Type **3** in the selection field and press **Enter**.

The system displays the Configuration Directory (EDIM230)

```
Select
EDIM230 4.3_______          CONFIGURATION DIRECTORY        XXX     12/01/2005
                                                                     12:00:00


A   Record Type    Description

_   E              GENTRAN:Control Processing Options
_   T              Clear Key Processing Options
_   0              On-Line Processing Options
_   1              Additional On-Line Processing Options
_   2              Databank Processing Options
_
_
_
_
_
_
_
_

TO SELECT, TYPE AN "S" BESIDE CONFIG RECORD TYPE
Enter PF1=Help            PF3=Exit               PF5=Id Maint
      PF7=Bwd  PF8=Fwd
```

- Use the **Tab** key to move to the A (Action Code) field for Record Type 0, On-Line Processing Options. Type **s** and press **PF5** to display the Configuration Maintenance (EDIM231) screen, Panel 1 of 3.

```
EDIM231 __________      CONFIGURATION MAINTENANCE          XXX     12/01/2005
                                                                     12:00:00

On-Line Options - Record Type 0   Panel 1 of 3

Program Image..................:  EDI________  Any 3 Digits/Characters
Security Password Min Length...:  04_________  Valid Values - 01 To 08
Security Password Suppress.....:  Y_________   Y=Yes              N=No
Security Exit Program..........:  __________
User Jump Code Table...........:  EDIJUMP___
Jump Code Display .............:  1_________   1=Numeric          2=Alphabetic
Save Last Key Used.............:  0_________   0=Save             1=Not Save
Disable Synchpoint.(VSE).......:  0_________   0=No               1=Yes
Year 2000 Value................:  50________  DEFAULT = 50
Language Code..................:  EN________  Default = EN
Log Max Search.................:  3000______  1 - 4 digits



Last Update Date: 00/00/00 Time: 00:00:00 User: SCI

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=More Opts  PF6=Nxt Cnfg
                                   PF10=Updt
```

- Press **PF5** to display the Configuration Maintenance (EDIM231) screen, Panel 2 of 3.

```
EDIM231 __________      CONFIGURATION MAINTENANCE          XXX     12/01/2005
                                                                     12:00:00

On-Line Options - RECORD TYPE 0   PANEL 2 OF 3

Interchange Version............:  N_________  N=No             Y=Yes
Group Version..................:  N_________  N=No             Y=Yes
Transaction Version............:  N_________  N=No             Y=Yes
Trading Profile Mode...........:  P_________  P=PART/QUAL  R=RELATION   M=MIX
Multiple Envelope Enabled......:  N_________  N=No             Y=Yes
Concurrency Enabled............:  N_________  N=No             Y=Yes
CICS Applid for Concurrency....:  __________




Last Update Date: 00/00/00    Time: 00:00:00    User: SCI

Enter PF1=Help            PF3=Exit PF4=Prev       PF5=More Opts  PF6=Nxt Cnfg
                                PF10=Updt
```

- Press **PF5** to display the Configuration Maintenance (EDIM231) screen, Panel 3 of 3.

```
EDIM231 __________      CONFIGURATION MAINTENANCE          XXX          12/01/2005
                                                                        12:00:00

ON-LINE OPTIONS - RECORD TYPE 0   PANEL 3 OF 3

Partner Help Enabled...........:  1_________  0=Not Active      1=Active
Standards Help Enabled.........:  1_________  0=Not Active      1=Active
Databank Help Enabled..........:  1_________  0=Not Active      1=Active
Security Help Enabled..........:  1_________  0=Not Active      1=Active
Mapping Help Enabled...........:  1_________  0=Not Active      1=Active
Error Message Help Enabled.....:  1_________  0=Not Active      1=Active
Global Parameter Help Enabled..:  1_________  0=Not Active      1=Active
Config Help Enabled............:  1_________  0=Not Active      1=Active
GENTRAN:Plus Help Enabled......:  0_________  0=Not Active      1=Active
GENTRAN:Control Help Enabled...:  0_________  0=Not Active      1=Active
GENTRAN:Realtime Help Enabled..:  0_________  0=Not Active      1=Active
GENTRAN:Viewpoint Help Enabled.:  0_________  0=Not Active      1=Active


Last Update Date: 00/00/00 Time: 00:00:00 User: SCI

Enter PF1=Help            PF3=Exit PF4=Prev                     PF6=Nxt Cnfg
                                PF10=Updt
```

❑ If you want to view online context-sensitive help for Gentran:Control, type `1` in the field to enable it. Press **PF10** to save the change.

Note: You must exit Gentran and restart the EDI transaction before your changes are reflected in the session.

Completed by: _____

Date: _____ **Time:**_____

You have now completed the Gentran:Control installation process.

Appendix

A Gentran:Control Library Descriptions

This appendix contains the following library descriptions:

Topic	Page
Job Control Library (JCL)	**A-2**
New System Installation	A-2
Conversion Members	A-2
Online CICS Environment Definition	A-2
Program Execution	A-3
Batch Load Library	**A-4**
CICS Load Library	**A-5**
Control Main Processing Programs	A-5
System Maintenance Programs	A-6
Queue Maintenance Programs	A-6
Online Log Programs	A-6
Control Main Processing Screens	A-6
System Maintenance Screens	A-6
Queue Maintenance Screens	A-6
Online Log Screens	A-6
Separator Screens	A-6
Utility Source Library	**A-7**
Gentran:Control Programs	A-7

Job Control Library (JCL)

New System Installation

$INDEX	Contains a reference listing of all JCL members.
CHANGES	Contains a reference list of JCL modifications made for Gentran:Control Release 6.4.
DEFCKP	Defines the Gentran:Control Checkpoint file.
DEFCTL	Defines the Gentran:Control system files for new installation.
DEFRDO	Defines CICS resources for Gentran:Control.
DELFILES	Delete Installation files.
PCCTLFX1	Allocates Gentran:Control fix upload file on the mainframe.
PCCTLFX2	Creates Gentran:Control fix files.
PCCTLPD1	Allocates Gentran:Control product upload file on the mainframe.
PCCTLPD2	Unloads Gentran:Control from product upload files.
UPDCFG	Adds the Gentran:Control configuration record to the Gentran:Basic configuration file.

Conversion Members

CNVOCF60	Converts the Release 6.0 Online Control file to Release 6.4.
CNVOCF61	Converts the Release 6.1 Online Control file to Release 6.4
CNVOCF62	Converts the Release 6.2 Online Control file to Release 6.4
CNVOCF63	Converts the Release 6.3 Online Control file to Release 6.4
CNVSEP60	Converts the Release 6.0 Separator Control file to Release 6.4.
CNVSEP61	Converts the Release 6.1 Separator Control file to Release 6.4
CNVSEP62	Converts the Release 6.2 Separator Control file to Release 6.4
CNVSEP63	Converts the Release 6.3 Separator Control file to Release 6.4

Online CICS Environment Definition

CTLCICS	Contains the CICS start-up JCL DD statements for Gentran:Control.
CTLNAME	Renames the CICS load modules with the program image.
CTLPLT	Contains the CICS resource definitions for automatic system start-up.
CTLRDOF	Contains the CICS resource definitions for files.
CTLRDOPM	Contains the CICS resource definitions for programs and mapsets.
CTLRDOT	Contains the CICS resource definitions for transactions.

Program Execution

EXECIB	Executes the installation verification process for the inbound flow.
EXECINIT	Initiates the Gentran:Control installation verification process.
EXECOB	Executes the installation verification process for the outbound flow.
EXECPSIM	Implements Program and System Images.
EXECQMT	Executes the Queue file maintenance program.
EXECQRD	Executes the Queue read program for all Queue files.
EXECQWR	Executes the Queue write program for all Queue files.
EXECSEP	Executes the installation verification for the separator system.
EXECSQR	Executes the Sample Queue Read program for even numbered Queue files.
EXECSQW	Executes the Sample Queue Write program for odd numbered Queue files.
EXECWAIT	Executes the System Down Wait program.

Batch Load Library

CNVOCF62	Convert Online Control File to Release 6.2 format.
CNVSEP62	Convert Separator Control File to Release 6.2 format.
CNVSEP63	Convert Separator Control File to Release 6.3 format.
EDIEQMT	Queue File Maintenance
EDIERSR	Remote Single-queue Read Subroutine
EDIERSW	Remote Single-queue Write Subroutine
EDIESQR	Sample Queue Read
EDIESQW	Sample Queue Write
EDIJNL	Perform journaling.
EDIPSIM	Implement Program and System Images.
EDIRCMR	Multi-queue Read Subroutine
EDIRCMW	Multi-queue Write Subroutine
EDIRQRD	All Queue Read
EDIRQWR	All Queue Write
EDIWAITD	Wait for a CICS file release.

CICS Load Library

EDIABEND	Screen Abend Handler
EDIEOBI	Online Batch Initiator
EDIEOIG	Online Input Gateway
EDIEOOG	Online Output Gateway
EDIEOQR	Online Queue Read
EDIEOQW	Online Queue Write
EDIEOSI	Online Scanner/Initiator
EDIEPLT	Automatic System Start-up.
EDIESOA	Sample Online Application
EDIETOGL	Shutdown or start the scanner
EDIEXCP	Sample Control Exception User Exit
EDIEXIT1	Sample Error Exit
EDIEXIT2	Sample Error Exit
EDIRASYN	Real-time Asynchronous Gateway
EDIROMH	Online Message Handler
EDIROQR	Online Queue Read
EDIROQW	Online Queue Write
EDIR100	Separator Gateway
EDIR930	Separator Driver
EDIR931	ANSI Priority Lookup
EDIR932	EDIFACT Priority Lookup
EDIR933	TRADACOMS Priority Lookup
EDIR938	Monitor Display
EDIR940	Monitor Input/Output
EDIR945	Router
EDIR999	Online Log Interface Program
EDISXIT	Sample Exit Router

Control Main Processing Programs

EDIX300	Control Main Menu

System Maintenance Programs

EDIX301	System Options Maintenance

Queue Maintenance Programs

EDIX302	Queue Directory
EDIX303	Queue Options Maintenance
EDIX305	Extended Queue Options Maintenance
EDIX306	Queue Options Debug Detail
EDIX307	Queue Options Data Display

Online Log Programs

EDIX304	Online Log Display
EDIX308	Online Log Detailed Display

Control Main Processing Screens

EDIZ300	Control Main Menu BMS Map

System Maintenance Screens

EDIZ301	System Options Maintenance BMS Map

Queue Maintenance Screens

EDIZ302	Queue Directory BMS Map
EDIZ303	Queue Options Maintenance BMS Map
EDIZ305	Extended Queue Options Maintenance BMS Map
EDIZ306	Queue Options Debug Detail BMS Map
EDIZ307	Queue Options Data Display BMS Map

Online Log Screens

EDIZ304	Online Log Display BMS Map
EDIZ308	Online Log Detailed Display BMS Map

Separator Screens

EDIS938	Monitor Display screen

Utility Source Library

Gentran:Control Programs

EDIEIGCA	Online Input Gateway Comm area layout
EDIEOGCA	Online Output Gateway Comm area Layout
EDIEPLT	Online PLT Program (for customization)
EDIESOA	Sample Online Application
EDIESQR	Sample Queue Read
EDIESQW	Sample Queue Write
EDIEXCP	Sample Control Exception User Exit
EDIEXIT1	Sample Exception Exit
EDIEXIT2	Sample Error Exit
EDIRAGCA	Asynchronous Gateway Comm area layout
EDIRAGSP	Sample Asynchronous processing
EDISUBXT	Sample Submit Exit program
EDISXIT	Sample Separator User Exit
$INDEX	List of Programs

Appendix

B System Image and Program Image Features

Modifying Gentran:Control Files

Changes to some fields are required to use System and Program images other than EDI. Modifications to be made include the following:

- Any references to CICS transactions must be changed to have the System Image as the first three characters of the transaction ID (for instance, if **SIM** is the System Image, then transaction **EDIR** will change to **SIMR**).
- Any references to program names must be changed to have the Program Image as the first three characters of the program name (for instance, if **PIM** is the Program Image then program **EDIESOA** will change to **PIMESOA**).

The files that need to be updated and their associated fields include the following:

- Online Control File
  - Queue Options Online TransID
  - Queue Options Application Program
  - Queue Options Exception Program
  - Queue Options Error User Exit Program
  - System Options Error User Exit Program
- Separator Control File
  - X12 Interchange Program
  - EDIFACT Interchange Program
  - TRADACOMS Interchange Program
  - User Interchange Program
  - Exception Program
  - Error User Exit Program
  - Priority Options System Image
  - Priority Options Program Image
  - Priority Options User Application Program

Typically performed by: System Installer

Check the box next to each task as you complete it.

- ❑ Customize JCL member **EXECPSIM**.
  - Add a job card.
  - Change data set names to reflect your high-level qualifier.
  - Modify the in-stream parameter record to reflect both your program and system images.
  - Read the comments within the JCL and follow any additional instructions.
- ❑ If your Release 6.4 CICS environment is active, shut it down.
- ❑ Submit the **EXECPSIM** job.
- ❑ Verify the job results. You should never receive a return code greater than 0.
- ❑ Start your Release 6.4 CICS environment.
- ❑ Log on to your Release 6.4 CICS environment to verify that the files were updated successfully.
- ❑ Log on to Gentran.
- ❑ On the Gentran Main Menu screen, type **`7.1`** in the Jump Code field and press **Enter**.

  The System Options Maintenance screen (EDIM301) is displayed.

```
   EDIM301 7.1_______       SYSTEM OPTIONS MAINTENANCE           XXX  12/01/2005
                                                                      12:00:00


Description.............: GENTRAN:CONTROL_____________________________
                          SAMPLE_SYSTEM_OPTIONS_____________________

System Status...........: E     E = Enabled        D = Disabled
System Trace............: D     E = Enabled        D = Disabled
System Type.............: C     C = Control        R = Realtime

Scan Interval...........: 0120      Seconds

Error User Exit Program.: ________
Error User Exit Data....: ____________________




Last Update Date........: 00/00/00 Time:  00:00:00  User:  SCI

Enter PF1=Help            PF3=Exit                PF5=Queue
                                PF10=Updt                     PF13=Start
```

- ❑ If there is an entry in the **Error User Exit Program** field, verify that it reflects the Program Image.

- ❑ Press **Home**. Type **`7.3`** in the jump code field and press **Enter**.

  The Queue Options Maintenance screen (EDIM303) is displayed.

```
EDIM303 7.3_______       QUEUE OPTIONS MAINTENANCE             XXX  12/01/2005
                                                                      12:00:00

Queue File Number.....: 002       GENTRAN:CONTROL_INSTALLATION_TEST_______
                                  QUEUE_FILE_002_________________________
Status................: E              E=Enabled  D=Disabled
Source................: B              O=Online write   B=Batch write
Trace.................: D              E=Enabled  D=Disabled
      Trigger Levels                   Queue Priority.......: 1  (Value 1-9)
Range (Low/High)......: 0000 /  0001   Doc Groups per Run...: 0001
Maximum Delay Time....: 0000           Minutes (with Low Range)
Time Based Interval...: 0000           EXT or SCH or Minutes
      Initiation Actions
Action to Initiate....: O              B=Batch Job  O=Online Trans  N=None
Batch JCL Name........: ___            Stall Limit.....: 15
Online TransID........: EDIR           Appl.Prog.......: EDIESOA_
Exception Pgm.........: EDIR852_       TSQ Store Sw....: _  A=Auxiliary M=Main
                                                            C=TSQ Chaining
Error User Exit Pgm...: ________       Error Exit Data.: ____________________
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help PF2=Data   PF3=Exit PF4=Dir        PF5=Ext
      PF7=Prev PF8=Next PF9=Add PF10=Updt PF11=Del            PF14=Ddtl
```

- ❑ Verify the following fields:

  - If there is an entry in the **Online TransID** field, it should reflect the System Image.
  - If there is an entry in the **Appl Prog** field, it should reflect the Program Image.
  - If there are entries in the **Exception Pgm** and **Error User Exit Pgm** fields, they should reflect the Program Image.

- ❑ Press **PF8=Next** to scroll to the remaining Queue options to verify the changes.

- ❑ Press **Home**. Type **`7.5.1`** in the Jump Code field and press **Enter**.

The Separator Systems Options Maintenance Screen (EDIM935) is displayed.

```
EDIM935 7.5.1_____     SEPARATOR SYSTEMS OPTIONS MAINTENANCE   XXX  12/01/2005
                                                                      12:00:00

Description.............: GENTRAN:CONTROL_SEPARATOR_SUBSYSTEM_____
                          ____________________________________
X12  Interchange Program .........:  EDIR931_     Key Usage Indicators
EDIFACT Interchange Program.......:  EDIR932_      Test/Prod Use.....:  Y
TRADACOMS Interchange Program.....:  EDIR933_      Trn/Grp/Int Only..:  T
User Interchange Program..........:  EDISXIT_      Grp IDs Only......:  Y
Monitor Indicator/Store Sw........:  1 /  1        Sndr/Rcvr Id Only.:  Y
  Monitor Maintenance.....(630)...:  _   DELETE PROCESSED DATA < TODAY'S DATE
                 .........(631)...:  _   DELETE ALL DATA < TODAY'S DATE
                 .........(632)...:  _   DELETE ALL DATA RECORDS
Trace Indicator...................:  D            Router Parameters
Exception Program.................:  EDIEXCP_      Max Start cnt.....:  10
TSQ Storage SW....................:  M             Max Wait Time.....:  00 05

Error User Exit Program...........:  ________
Error User Exit Data..............:  ____________________
                      Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help            PF3=Exit PF4=Run Maint  PF5=Dir
                                PF10=Updt
```

- ❑ Verify that the following fields reflect the Program Image:
  - X12 Interchange Program
  - EDIFACT Interchange Program
  - TRADACOMS Interchange Program
  - User Interchange Program
  - Exception Program
  - Error User Exit Program (if specified)
- ❑ Press **Home**. Type **`7.5.3`** in the Jump Code field and press **Enter**.

The Priority Options Maintenance screen (EDIM937) is displayed.

```
EDIM937 7.5.3_____          PRIORITY OPTIONS MAINTENANCE        XXX  12/01/2005
                                                                       12:00:00
 ** K E Y S **
 Trans/Group ID.........:  ______
 Sender ID / Qual.......:  ____________________________________ /  ____
 Receiver ID / Qual.....:  ____________________________________ /  ____
 Version................:  ___________
 Test/Prod Ind..........:  _
 Int/Grp/Trans Ind......:  I


 Description............:  DEFAULT_SEPARATION_OPTION__________

 System Image...:  EDI   Program Image...:  EDI
   Realtime Immediate Option.............:  ___
   Queue File Number.....................:  005  CONTROL INSTALLATION VERIF
 User Application Program..............:  ________
 Basic Separator Split file............:  001
 Priority..............................:  5
                     Last Update Date:  00/00/00 Time:  00:00:00 User:  SCI

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=QOpt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

- ❑ Verify that the **System Image** and **Program Image** fields contain the proper values.
- ❑ If there is an entry in the **User Application Program** field, verify that it reflects the Program Image.
- ❑ Using **PF8=Next**, scroll forward through the screens to verify all the priority options.

Completed by: _____

Date: _____ **Time:**_____

After you have successfully completed these tasks, System and Program Image implementation is complete.

Appendix

C

Gentran:Control Files

Data Set Naming Conventions

The following table describes data set naming conventions.

Data Set	Format
Permanent VSAM files	GENTRAN.V6X4.???.VSAM.?????? *Where*: ??? = subsystem-specific ??????=file-specific
Initial loading sequential files	GENTRAN.V6X4.???.SEQ.?????? *Where*: ??? = subsystem-specific ??????=file-specific **Note:** Most of these files can be deleted after installation and conversion are complete.
Batch executable load modules	GENTRAN.V6X4.CTL.BATCH.LOAD
CICS executable load modules	GENTRAN.V6X4.CTL.CICS.LOAD

Production Data Set Names for Gentran:Control Release 6.4

Base System Files

Online Control file	GENTRAN.V6X4.CTL.VSAM.EDIOCF
Checkpoint file	GENTRAN.V6X4.CTL.VSAM.EDICKP

Queue Files

Queue file 001	GENTRAN.V6X4.CTL.VSAM.EDIQ001
Queue file 002	GENTRAN.V6X4.CTL.VSAM.EDIQ002
Queue file 003	GENTRAN.V6X4.CTL.VSAM.EDIQ003
Queue file 004	GENTRAN.V6X4.CTL.VSAM.EDIQ004
Queue file 005	GENTRAN.V6X4.CTL.VSAM.EDIQ005
Queue file 006	GENTRAN.V6X4.CTL.VSAM.EDIQ006

Separator files

Monitor Header file	GENTRAN.V6X4.CTL.VSAM.EDIRMNH
Monitor Store file	GENTRAN.V6X4.CTL.VSAM.EDIRMNS