

Gentran:Plus<sup>®</sup> for zSeries

# Installation Guide

Release 6.5

***Sterling Commerce***  
*An IBM Company*

Sterling Commerce (Mid America), Inc.  
4600 Lakehurst Court Dublin, OH 43016-2000 \* 614/793-4000  
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# Getting Started

## Overview

Welcome to Gentran:Plus for zSeries Release 6.5!

Gentran:Plus works with Gentran:Basic<sup>®</sup> and other applications to make your EDI communications more user-friendly and to meet your most demanding requirements.

This *Installation Guide* assists you with installing Gentran:Plus Release 6.5 and in converting from Gentran:Plus Release 6.3 or 6.4 to Release 6.5.

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. This chapter includes test procedures to confirm that the installation has been successful. Use them before contacting the Gentran Software Product Support Center.

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

## Important Prerequisite

**Gentran:Plus for zSeries Release 6.5 requires that you have Gentran:Basic Release 6.5 with current maintenance. Prior to beginning the installation of Gentran:Plus Release 6.5, you must ensure that you have either:**

- **Recently installed Gentran:Basic Release 6.5**
- or
- **Recently applied cumulative fixes to Gentran:Basic Release 6.5**

**Check with the Gentran Software Support Center for assistance in determining if your Gentran:Basic Release 6.5 product is current before beginning the installation of Gentran:Plus Release 6.5.**

**Gentran:Plus Release 6.5 also requires Connect:Enterprise for z/OS version 1.2 or higher. Before beginning the installation of Gentran:Plus for zSeries Release 6.5, you must ensure that you have the Connect communications product properly installed and configured.**

**Note:** Gentran:Plus online functionality requires the installation of the CICS interface for Connect:Enterprise.

## Related Documentation

The following documents contain information for using Gentran:Plus with Gentran:Basic and Connect:Enterprise. Use the descriptions in this list for help determining which documents contain information you need.

- *Gentran:Plus for zSeries Release 6.5 User Guide*  
Contains reference information, such as field descriptions and function keys, about the online screens. In addition, it contains detailed information on batch programs and file descriptions.
- *Connect:Enterprise for z/OS Installation Guide*  
Describes preparing for installation and installing Connect:Enterprise.
- *Connect:Enterprise for z/OS User's Guide*  
Describes Connect:Enterprise configuration, commands, and functions.
- *Connect:Enterprise for z/OS ISPF User's Guide*  
Describes how to run Connect:Enterprise using the ISPF interface.
- *Connect:Enterprise for z/OS CICS User's Guide*  
Describes how to run Connect:Enterprise using the CICS interface.
- *Connect:Enterprise for z/OS Messages and Codes Guide*  
Describes the messages received during Connect:Enterprise processing.
- *Connect:Enterprise for z/OS Release Notes*  
Lists important notes and last minute changes to the Connect:Enterprise documentation.
- *Gentran for zSeries Release 6.5 Release Notes and Impact Information*  
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.

# Completing the Pre-installation Worksheet

## Overview

This chapter contains a worksheet that you must complete before you install Gentran:Plus.

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

Decisions made while completing the worksheet directly affect how various portions of Gentran:Plus are installed. In addition, key information you enter on the worksheet 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 for your installation, use the default value.

## Pre-installation Worksheet

Complete this worksheet before you begin to install Gentran:Plus.

Pre-installation Worksheet	
Completed by: _____	
Date: _____ Time: _____	
<b>System Image</b>	<b>Default: SIM</b> <b>Your Value:</b> _____ This 3-character alphanumeric value is used to uniquely identify your Gentran online system. We recommend that you use "EDI" when possible. However, you can select any value you wish.
<b>Program Image</b>	<b>Default: SIM</b> <b>Your Value:</b> _____ This 3-character alphanumeric value is used to uniquely identify the programs and mapsets for your Gentran online system. We recommend that you use "EDI" when possible. If you do not use "EDI," we recommend that you use the same value that you used for your system image. However, you can select any value you wish.
<b>High-Level Qualifier for Data Set Names</b>	<b>Default: GENTRAN.V6X5</b> <b>Your Value:</b> _____ The installation process creates many data sets that are used to generate the Gentran system. All data sets begin with the qualifier GENTRAN.V6X5. Change the qualifier to conform to your requirements.
<b>Communications Software</b>	<input type="checkbox"/> <b>Connect:Enterprise</b> The type of software your organization purchased to use with Gentran:Plus affects the steps you will complete in this Gentran:Plus installation.
<b>Connect Naming</b>	<b>Connect Symbolic (Friendly) Name</b> <b>Your Value:</b> _____ The Symbolic (Friendly) Name you designate here may be any eight-character alphanumeric value. The Connect Symbolic Name (sometimes called the Friendly Name) establishes the LU6.2 conversations between CICS and the Connect started task. Both Gentran:Plus and Connect use the Symbolic (Friendly) Name.



# Installing Gentran:Plus

## Overview

This chapter describes the steps that are required to install Gentran:Plus for zSeries Release 6.5. 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.

Before installing Gentran:Plus for zSeries Release 6.5, remember that you must install Gentran:Basic Release 6.5 first. After Gentran:Basic has been installed, verified, and configured to meet your environment needs, you can install Gentran:Plus for zSeries Release 6.5 and any additional Gentran product(s), in any order, at any time.

Gentran:Plus for zSeries Release 6.5 also requires Connect:Enterprise for z/OS version 1.2 or higher. Any specific prerequisites for Connect:Enterprise are outlined in the *Connect:Enterprise for z/OS Installation Guide*.

**Caution:** Gentran:Plus for zSeries Release 6.5 was created for use with Connect:Enterprise for z/OS.

This chapter contains the following topics related to the installation of Gentran:Plus Release 6.5:

<b>Topic</b>	<b>Page</b>
<b>The Installation Process</b> .....	<b>3-2</b>
<b>Performing Initial Procedures</b> .....	<b>3-3</b>
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## The Installation Process

To install Gentran:Plus Release 6.5 you must complete a series of dependent jobs that build individual subsystems. In the initial steps of the Gentran:Plus installation, you will unload files from either the Electronic Software Distribution (ESD) portal or CD-ROMs 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:Plus system files.

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

If you are installing from ESD, the installation package contains one file. The product file contains all of the files necessary to install the programs and base files for Gentran:Plus Release 6.5. The file to download is:

**Plus\_6.5.00\_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:Plus Release 6.5. The CD-ROM label reads:

**Gentran:Plus for zSeries Release 6.5.00 Product**

## Performing Initial Procedures

Use this procedure to install Gentran:Plus.

**Step 1** Confirm hardware and software requirements.

*Typically performed by:* System Installer

### System Requirements

To install Gentran:Plus, 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
- 5 MB of available hard disk space
- FTP capability

### Hardware Requirements

Gentran:Plus operates on any IBM mainframe running the z/OS operating system.

### Software Requirements

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

- z/OS operating system
- CICS Translation Server for z/OS
- Language Environment run-time support
- Connect:Enterprise for z/OS version 1.0 or higher
- CICS interface for Connect:Enterprise for z/OS version 1.0 or higher

*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
- Auxiliary and main temporary storage to hold data, parameters, tables, and control information

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

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Upload Product Distribution Files

Because the Gentran:Plus product is distributed either by downloading from the ESD portal or on a CD-ROM, 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 **Plus\_6.5.00\_Package.zip** file that you downloaded from ESD and extract the file named **Plus\_6.5.00\_Product.exe**. This is a self-extracting .zip file that contains the entire Gentran:Plus product.
- If you are installing from CD-ROM, insert the Gentran:Plus product CD-ROM into your computer's CD-ROM drive and navigate in the directory to locate the file named **Plus\_6.5.00\_Product.exe**. This is a self-extracting .zip file that contains the entire Gentran:Plus 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 of the files. The folder should contain the following files:

File	Description
PCGPLPRD	Gentran:Plus product
PCGPLPD1.TXT	JCL to allocate the target product file
PCGPLPD2.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.

- Perform the upload manually from your PC, using FTP configured in an 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
PCGPLPD1.TXT	The JCL to allocate the target product file
PCGPLPD2.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:Plus 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 PCGPLPD1 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.V6X5**).
- 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:Plus 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 a BINARY data transfer mode. The target file on the mainframe must be the file that you allocated in **Step 4** (GENTRAN.V6X5.GPL.UPLOAD.PCPRD).

The file to be uploaded is:

File	Description
PCGPLPRD	Gentran:Plus product

- After the upload completes, 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 again until it is acceptable.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

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

*Typically performed by:* System Installer

This step reads the Gentran:Plus 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.V6X5.** followed by the text in the table below.

**Example**

GPL.BATCH.LOAD, when not abbreviated, is GENTRAN.V6X5.GPL.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:Plus files; you can delete them when the installation is complete.

Data Set Name	Description
<b>GPL.BATCH.LOAD</b>	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.
<b>GPL.CICS.LOAD</b>	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.
<b>GPL.UTILITY.SOURCE</b>	Partitioned data set containing the Gentran:Plus sample source code members for user exits This library does not include any Connect:Enterprise example or source code. This is a permanent data set; do not delete this data set at the end of installation.
<b>GPL.JCL</b>	Partitioned data set containing all of the Gentran:Plus execution JCL and sample JCL. This is a permanent data set; do not delete this data set at the end of installation.
GPL.SEQ.AUDIT	Sequential data set used to seed the Change Audit file
GPL.SEQ.LIST	The file containing JCL records needed to submit a Gentran:Plus batch List utility job from the online environment
GPL.SEQ.REPORT	The file containing JCL records needed to submit a Gentran:Plus batch Report utility job from the online environment
GPL.SEQ.STATFLG	The file containing JCL records needed to submit a Gentran:Plus batch Statflg utility job from the online environment



Data Set Name	Description
GPL.SEQ.HOLIDAY	The sequential data set used to seed the Holiday Processing file
GPL.SEQ.PROFILE	The file containing initial communications profile records for default configurations
GPL.SEQ.REMOTE	The file containing initial remote file records corresponding to the communications profile records
GPL.TUTOR1	The file containing the first of two parts of tutorial data
GPL.TUTOR2	The file containing the second of two parts of tutorial data
GPL.SEQ.DETAIL	The file containing the initial detail records for the INS TRADANET Network Command Interface files
GPL.SEQ.HEADER	The file containing the initial header records for the INS TRADANET Network Command Interface files
GPL.MAPOUT.TESTDATA	The sequential data set for the sample test data for outbound mapper processing
GPL.MAPIN.TESTDATA	The sequential data set for the sample test data for inbound mapper processing
SEQ.PARTNER	The sequential data set used to seed the Gentran:Basic Partner file
SEQ.CONTROL.OUTBOUND	The sequential data set used to seed the Gentran:Basic Partner Outbound Control file
SEQ.CONTROL.INBOUND	The sequential data set used to seed the Gentran:Basic Partner Inbound Control file
SEQ.PARTNER.XREF	The sequential data set used to seed the Gentran:Basic Partner Cross-reference file
SEQ.APPL.HEADER	The sequential data set used to seed the Gentran:Basic Mapping Application Header file
SEQ.APPL.RECORD	The sequential data set used to seed the Gentran:Basic Mapping Application Record file
SEQ.APPL.FIELD	The sequential data set used to seed the Gentran:Basic Mapping Application Field file
SEQ.APPL.LINK	The sequential data set used to seed the Gentran:Basic Mapping Application Link file
SEQ.TRANS.HEADER	The sequential data set used to seed the Gentran:Basic Mapping Transaction Header file
SEQ.TRANS.SEGMENT	The sequential data set used to seed the Gentran:Basic Mapping Transaction Segment file
SEQ.TRANS.ELEMENT	The sequential data set used to seed the Gentran:Basic Mapping Transaction Element file
SEQ.CODE.DEFINE	The sequential data set used to seed the Gentran:Basic Mapping Code Definition file
SEQ.CODE.CODES	The sequential data set used to seed the Gentran:Basic Mapping Code Translation file
SEQ.CODE.DATA	The sequential data set used to seed the Gentran:Basic Mapping Data Translation file

Data Set Name	Description
SEQ.CODE.VALID	The sequential data set used to seed the Gentran:Basic Mapping Data Validation file
GPL.TEMP.EDICFG	The file containing system configuration and global parameter records needed for verification
SEQ.REL.PARTNER	The sequential data set containing partner records for Relationship mode The information in this file will be added to the current file. It contains information required for the installation verification procedure.
SEQ.REL.CNTL.INBOUND	The sequential data set containing inbound control records for Relationship mode The information in this file will be added to the current file. It contains information required for the installation verification procedure.
SEQ.REL.CNTL.OUTBOUND	The sequential data set containing outbound control records for Relationship mode The information in this file will be added to the current file. It contains information required for the installation verification procedure.
SEQ.PARTNER.RELATION	The sequential data set containing Partner Relationship records for Relationship mode The information in this file will be added to the current file. It contains information required for the installation verification procedure.

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

- Customize JCL member **PCGPLPD2** 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.V6X5**).
- 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:Plus 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:Plus 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 *only* available from the Sterling Commerce Customer Center Web site.

**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:Plus product by going to the Sterling Commerce Customer Center Web site at: <http://customer.sterlingcommerce.com>.

**Note:** If the Customer Center Web site indicates that there are no updates for the Gentran:Plus product, you may skip the rest of this step and continue with **Step 8**.

- Download all updates from the Customer Center Web site.
- Install the updates. Instructions for how to install the updates can be obtained from the Customer Center Web site.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Defining Gentran:Plus System Files

### Overview

The JCL required to install Gentran:Plus Release 6.5 is contained in the partitioned data set **GENTRAN.V6X5.GPL.JCL**. (You may have modified this data set name in **Step 6**.) Before you 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 strings **xxxxxx** to the DASD volumes that contain the permanent data sets that are defined.
- 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 6.5 in the name.

**Note:** You should modify only the first two index levels of the data set names (**GENTRAN.V6X5**); this makes the installation simpler than if the entire data set name is modified.

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

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 a step that tried to delete a file that doesn't currently exist, but that is created during the job.

The following list describes the batch jobs executed in order to define Gentran system files.:

Batch Job	Description
DEFJCL	Creates and loads files containing internal reader JCL to be used by the online environment.
LOADDATA	Loads tutorial and test data into the Connect data queue.
DEFCFG	Updates the EDICFG file to enable the Gentran:Plus option and create the temporary EDICFG file for verification (for Partner/Qualifier mode).
DEFCFGR	Updates the EDICFG file to enable the Gentran:Plus option and create the temporary EDICFG file for verification (for Relationship mode).
LOADGPL	Loads the test partners and maps needed to perform the installation verification procedure for Partner/Qualifier or Mixed mode.
LOADGPLR	Loads the test partners and maps needed to perform the installation verification procedure for Relationship mode.
DEFGPL	Creates and initializes the Communications Profile, Remote, Change Audit, and Holiday files.

## Customize JCL Files

The Internal Reader JCL files include the List Utility file, the Report Utility file, and the Status Utility file. Before completing this step, verify that the JCL being reproduced in VSAM has been modified with proper job cards and data set names for submission to the internal reader.

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

*Typically performed by:* Application Programmer

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

- Modify the 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. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.
- Read the comments within the JCL member and follow any additional instructions that are noted.
- Customize the JCL in sequential Internal Reader JCL files to conform to your site specifications.

The sequential input files were created in **Step 6** of this chapter. The following are the default data set names from **Step 6**:

Default Data Set Name	Description
GENTRAN.V6X5.GPL.SEQ.LIST	List utility
GENTRAN.V6X5.GPL.SEQ.REPORT	Report utility
GENTRAN.V6X5.GPL.SEQ.STATFLG	Status utility

- Modify the job card. To help identify the output from the jobs, you should customize the jobname area. You may optionally place the characters **###** in the jobname. If you do, Gentran:Plus will replace them with the user's initials from their security profile every time a job is submitted to the internal reader.
- Change the following items within the JCL to the values that were used when Connect:Enterprise was installed:
  - The DSN parameter of the STEPLIB DD statement
  - The VSAM File Server parameter on the EXEC statement
  - The LOGNAME or VPF parameter following the SYSIN DD statement

- Submit JCL member **DEFJCL**.
- Verify job results. You should never receive a return code greater than 8.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Load Sample Data Into the Connect Data Queue

The sample data you load in this step includes the tutorial data sets and the data used in the mapping test.

**Step 9** Customize JCL member **LOADDATA** and submit.

*Typically performed by:* Application Programmer

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

- Modify the job card.
- Change data set names as required by your installation. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.

The input files for the initial steps of this job were created in **Step 6** of this chapter. The following are the default data set names from **Step 6**:

Default Data Set Name	Description
GENTRAN.V6X5.GPL.TUTOR1	First set of tutorial data
GENTRAN.V6X5.GPL.TUTOR2	Second set of tutorial data
GENTRAN.V6X5.GPL.MAPIN.TESTDATA	Mapping test data

- Read the comments within the JCL member and follow any additional instructions that are noted.
- Submit JCL member **LOADDATA**.
- Verify job results. You should never receive a return code greater than 8.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Update the EDICFG File

**Step 10** This step updates the main Configuration file and creates a temporary configuration file for the installation verification.

The step you complete depends on your Trading Profile Mode setting for Gentran:Basic Release 6.5.

*Typically performed by:* Application Programmer

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

- To determine your mode, go to the Configuration Directory screen (EDIM230).
- Select record type 0 (On-line Processing Options) to display the Configuration Maintenance screen (EDIM231).
- Press **PF5** to display the second screen.
  - For Partner/Qualifier mode and Mixed mode, proceed to **Step 10a**. Use member **DEF CFG**.
  - For Relationship mode, proceed to **Step 10b**. Use member **DEF CFG R**.

**Step 10a** Customize JCL member **DEF CFG** for Partner/Qualifier and Mixed mode.

*Typically performed by:* Application Programmer

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

- Modify the 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. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.

**Note:** The temporary configuration file is used during the verification process. It should be deleted when verification is completed.

- Read the comments within the JCL member and follow additional instructions. Refer to the table below and set the appropriate values for your organization in the configuration Record Type 3.

Starting position	Length	Format	Field Name	Default Value	Req'd/ Opt'l	Valid Values
01	10	AN	Record Key (Type)	3	R	3
11	1	AN	Gentran System Image Used	Y	R	Y
12	2	AN	Connect Product Installed	CE	R	CE



Starting position	Length	Format	Field Name	Default Value	Req'd/ Opt'l	Valid Values
14	2	NU	Connect Version Level	01	R	01 or higher
16	2	NU	Connect Release Level	02	R	02 or higher
18	2	NU	Connect Maintenance Level	00	R	00 or higher
20	8	AN	Connect Friendly Mailbox Name*	MAILBOX1	R	User-defined
28	2	AN	Connect System Image	CE	O	User-defined
30	1	A	Communication Directory Order	R	O	R or L
31	1	A	User ID Security Flag	N	O	G, U, or N
32	16	AN	Product Release Name	Gentran:Plus 6.5	R	Gentran:Plus 6.5

**Note:** \* The Friendly Mailbox Name should be the same as the Connect Symbolic (Friendly) Name defined in the Pre-installation Worksheet in Chapter 2.

- If you are using Concurrent Processing, the temporary configuration file must be modified to enable concurrent processing. To do this, uncomment Step 7 and Step 8 to modify the temporary configuration seed file:
  - Change text string &&&&&&&&& to the APPLID for the CICS region used for concurrent processing.
  - Change text string ### to the program image to be used for the CICS region used for concurrent processing.
  - Change text string %%% to the system image to be used for the CICS region used for concurrent processing.
- If your Gentran:Basic CICS region is active, you must ensure that the **SIMCFG** file is closed and disabled before submitting this job.

**Note:** If you are using a system image other than **EDI**, replace the first three characters of the file name with your system image characters.

- Submit JCL member **DEF CFG**
- Verify job results. You should never receive a return code greater than 8.
- If you closed and disabled the **SIMCFG** file before submitting the job, open and enable it.

Proceed to **Step 11**.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Step 10b** Customize JCL member **DEFPCFGR** for Relationship mode.

*Typically performed by:* Application Programmer

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

- Modify the 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. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.

**Note:** The temporary configuration file is used during the verification process. It should be deleted when verification is completed.

- Read the comments within the JCL member and follow additional instructions. Refer to the table below and set the appropriate values for your organization in the configuration Record Type 3.

Starting position	Length	Format	Field Name	Default Value	Req'd/Opt'l	Valid Values
01	10	AN	Record Key (Type)	3	R	3
11	1	AN	Gentran System Image Used	Y	R	Y
12	2	AN	Connect Product Installed	CE	R	CE
14	2	NU	Connect Version Level	01	R	01 or higher
16	2	NU	Connect Release Level	02	R	02 or higher
18	2	NU	Connect Maintenance Level	00	R	00 or higher
20	8	AN	Connect Friendly Mailbox Name*	MAILBOX1	R	User-defined
28	2	AN	Connect System Image	CE	O	User-defined
30	1	A	Communication Directory Order	R	O	R or L
31	1	A	User ID Security Flag	N	O	G, U, or N
32	16	AN	Product Release Name	Gentran:Plus 6.5	R	Gentran:Plus 6.5

**Note:** \* The Friendly Mailbox Name should be the same as the Connect Symbolic (Friendly) Name defined in the Pre-installation Worksheet in Chapter 2.

- If you are using Concurrent Processing, the temporary configuration file must be modified to enable concurrent processing. To do this, uncomment Step 7 and Step 8 to modify the temporary configuration seed file:

- Change text string &&&&&&&&& to the APPLID for the CICS region used for concurrent processing.
- Change text string ### to the program image to be used for the CICS region used for concurrent processing.
- Change text string %%% to the system image to be used for the CICS region used for concurrent processing.

- If your Gentran:Basic CICS region is active, you must ensure that the **SIMCFG** file is closed and disabled before submitting this job.

**Note:** If you are using a system image other than **EDI**, replace the first three characters of the file name with your system image characters.

- Submit JCL member **DEFCEGR**.
- Verify job results. You should never receive a return code greater than 8.
- If you closed and disabled the **SIMCFG** file before submitting the job, open and enable it.

Proceed to **Step 11**.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Load Test Partners and Maps

**Step 11** Customize either JCL member **LOADGPL** or **LOADGPLR** and submit.

The JCL member you use will depend on the **Trading Profile Mode** setting for Gentran:Basic Release 6.5. To determine your mode, go to the Configuration Directory screen (EDIM230) and select record type 0 (On-line Processing Options) to get the Configuration Maintenance screen (EDIM231). Then press **PF5** to proceed to screen 2.

- For Partner/Qualifier or Mixed mode, use member **LOADGPL**.
- For Relationship mode, use member **LOADGPLR**.

*Typically performed by:* Application Programmer

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

- Modify the job card.
- Change data set names as required by your installation. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.
- Read the comments within the JCL member and follow any additional instructions that are noted.
- If your Gentran:Basic CICS region is active, you must ensure that the files listed below are closed and disabled before submitting this job.

Replace the first three characters of each file name with your system image characters.

- SIMAPFL, SIMAPF1, SIMAPHD, SIMAPRC, SIMAPR1, SIMAPTR, SIMCDCD, SIMCDC1, SIMCDDF, SIMCDDA, SIMCDD1, SIMCDVL, SIMPART, SIMPINB, SIMPOTB, SIMTREL, SIMTRE1, SIMTRHD, SIMTRSG, and SIMTRS1
- SIMPREF and SIMPREF1 if using member **LOADGPL**
- SIMPREL and SIMPREL1 if using member **LOADGPLR**
- Submit JCL member **LOADGPL** or **LOADGPLR**.
- Verify job results. You should never receive a return code greater than 8.
- If you closed and disabled files before submitting the job, open and enable them.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Define Gentran:Plus Files

**Step 12** Customize JCL member **DEFGPL** and submit.

*Typically performed by:* Application Programmer

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

- Modify the 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. Change only the first two index levels of each data set name (**GENTRAN.V6X5**); this simplifies the installation process because it enables you to mass-edit data set names.

The input files for the initial steps of this job were created in **Step 6** of this chapter. The following are the default data set names from **Step 6**:

Default Data Set Name	Description
GENTRAN.V6X5.GPL.SEQ.PROFILE	Communication Profile records
GENTRAN.V6X5.GPL.SEQ.REMOTE	Communication Remote records
GENTRAN.V6X5.GPL.SEQ.HOLIDAY	Holiday file
GENTRAN.V6X5.GPL.SEQ.AUDIT	Change Audit file
GENTRAN.V6X5.SEQ.DETAIL	Detail records
GENTRAN.V6X5.SEQ.HEADER	Header records

- Read the comments within the JCL member and follow any additional instructions that are noted.
- Submit JCL member **DEFGPL**.
- Verify job results. You should never receive a return code greater than 8.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

---

## Establishing the Online Environment

The Gentran:Plus Release 6.5 system has an extensive CICS online environment that enables entry, update, and inquiry of communications configurations and communications data management functions. This section describes the steps that you must perform to make these functions available.

### ***PLEASE READ - VERY IMPORTANT!!!!***

The CICS portion of Gentran:Basic/Plus Release 6.5 has been implemented to enable all programs and transactions to be located above the 16MB line in virtual storage. This occurred during the installation of transactions in Gentran:Basic via the parameter TASKDATALOC(ANY) in the resource definitions for CICS.

Connect:Enterprise Release 1.3.00 was designed with the CICS programs located above the 16MB line in virtual storage. Releases prior to 1.3.00 were designed to run below the 16MB line. A fix for Connect:Enterprise 1.2.xx was created to allow the Connect:Enterprise CICS programs and transactions to be located above the line. This fix is available through the Connect:Enterprise Support desk. An attempt to use the Gentran:Plus CICS interface in Release 6.5 with a release of Connect:Enterprise prior to 1.3.00 that has not been patched with this fix will result in an AEZC abend in CICS.

There are three ways that this abend can be prevented/resolved.

1. Apply the fix that is available for Connect:Enterprise to move the programs and transactions above the line before continuing with your installation of Gentran:Plus Release 6.5. Please contact the Connect:Enterprise Support desk for help with this fix.
2. Modify your Gentran transactions to force the CICS programs to run below the 16MB line. This can be accomplished by executing batch job BELOW16.
3. Upgrade your Connect:Enterprise to 1.3.00 before continuing with your installation of Gentran:Plus Release 6.5. Please contact the Connect:Enterprise Support desk for assistance.

**Step 13** Update the online CICS environment.  
**(Optional)**

**Note:** This step should only be executed if you have decided not to update or upgrade you Connect:Enterprise software. This step will modify Gentran transactions to run below the 16MB line.

Job BELOW16 executes the CICS batch utility DFHCSDUP to update the CICS System Definition (CSD) file. It will change TASKDATALOC parameter for transaction SIM to force Gentran to run below the 16MB line.

*Typically performed by:* System Installer

- You will need the following information:
- Your three-character System Image.
- The Group Name used when the CICS resources for your Gentran:Basic for zSeries online environment were defined.

- You will also need the proper security authorization to update your Gentran for zSeries online environments.

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.DFHCS**D as required by your installation.
- Globally change the value **SIM** to your three-character system image.
- If you changed the group name from the default value **GENBSC** when you established the online environment during installation, substitute your group name in the **GROUP** parameter.
- Read the comments within the JCL and follow additional instructions.
- Submit the job.
- Verify the job results. You should never receive a return code greater than 0.
- 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:  
  
**CEDA INSTALL TRANS (SIM) GROUP (SIMBSC)**
- Check for the **Install Successful** result from CEDA. When you have finished, press **PF3** and then clear the screen.

Completed by: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

## Determine Installation Requirements

Your installation will depend on 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 CCS region exists and that the system installer has full authorization to access the region and use these items.

---

*CICS Resource Definitions for Gentran:Plus Files***Step 14** Customize member GPLRDOF.

*Typically performed by:* System Programmer or CICS Administrator

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 18** 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.V6X5** 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 **GENGPL**, 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:Plus 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:Plus Programs and Mapsets***Step 15** Customize member GPLRDOPM.*Typically performed by:* System Programmer or CICS Administrator

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

- Review each definition for your site requirements.
- All Gentran:Plus 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 **GENGPL**, 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:** \_\_\_\_\_

---

*Define Gentran:Plus Resources in the CICS System Definition File***Step 16** Customize JCL member DEFRDO (system image).

This step adds the customized JCL members from the previous steps into your 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.DFHCS** as required by your installation.
- Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X5**).
- If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **GENGPL**, substitute your group name in the **DELETE** step in the JCL.
- If you are defining the Gentran:Plus 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:** \_\_\_\_\_

### *Rename Gentran:Plus Programs and Mapsets*

**Step 17** Customize JCL member **GPLNAME**. This job will copy and rename all Gentran:Plus 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.V6X5**).
- 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:** \_\_\_\_\_

---

## Update the CICS Startup JCL

**Step 18** Allocate the Gentran:Plus 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 17** 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 14**, you must add DD statements to define the files to CICS. JCL member **GPLCICS** 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.V6X5** to the value specified on the Pre-installation Worksheet in Chapter 2.

Start or restart the CICS region.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

*Install the Gentran:Plus CICS Groups*

**Step 19** Use the CEDA transaction to make the Gentran:Plus 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 **GENGPL**, substitute your group name for the value **GENGPL** in the command. Press **Enter** to invoke the command.

**CEDA INSTALL GROUP (GENGPL)**

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

- If you defined the Gentran:Plus 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 **GENGPL**, substitute your group name for the value **GENGPL** in the command. Also substitute your list name for the value **LISTNAME** in the command. Press **Enter** to invoke the command.

**CEDA ADD GROUP (GENGPL) 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:** \_\_\_\_\_

## Verify the Gentran:Plus CICS Installation

**Step 20** The following commands can be used to confirm successful installation. Use them to compare each resource to the input in JCL members GPLRDOF and GPLRDOPM.

**Note:** If you changed group names in **Step 14** and **Step 15**, substitute your group names when using the CEDA command.

*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 **GENGPL**, substitute your group name for the value **GENGPL** in the command. Press **Enter** to invoke the command.

**CEDA DISPLAY GROUP (GENGPL)**

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:Plus. Change the value **SIM** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.

```
CEMT SET FILE (SIMDTL) OPE ENA – INS Detail file
CEMT SET FILE (SIMGAUD) OPE ENA – Change Audit file
CEMT SET FILE (SIMHDR) OPE ENA – INS Header file
CEMT SET FILE (SIMIDAY) OPE ENA – Holiday file
CEMT SET FILE (SIMLST) OPE ENA – List file
CEMT SET FILE (SIMOTE) OPE ENA – Remote file
CEMT SET FILE (SIMPRF) OPE ENA – Profile file
CEMT SET FILE (SIMRPT) OPE ENA – Report file
CEMT SET FILE (SIMSTAT) OPE ENA – Statflag file
```

This is an important step in verification. All Gentran:Plus files must be available to CICS before you can continue. If a file allocation problem occurs, check your CICS system log and file definition. 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(EDI*) NEW
```

If a program fails to load, most likely an error occurred in the virtual system resources or library concatenation. All Gentran:Plus 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: \_\_\_\_\_

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





# Installation Verification

## Overview

After you have completed the installation steps described in chapter 3, “Installing Gentran:Plus,” you must verify your work. To do this, you execute major Gentran:Plus components and review the resulting batch reports and screens.

This chapter contains the following topics related to installation verification procedures:

<b>Topic</b>	<b>Page</b>
<b>Introduction</b> .....	<b>4-2</b>
<b>Inbound Process</b> .....	<b>4-3</b>
Sample Reports .....	4-4
<b>Outbound Process</b> .....	<b>4-12</b>
Sample Reports .....	4-13
<b>Online Screens</b> .....	<b>4-18</b>
Using Jump Codes .....	4-18
Performing the Online Installation Verification Procedure .....	4-19

## Introduction

- Note:** 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:

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

The steps in the installation verification procedure are independent of each other. You can execute multiple steps simultaneously, and you do not need to complete the steps in the order presented. However, if you perform the steps in the installation verification procedure in an alternate order, then your screens may look different than the sample screens shown in this chapter.

---

## Inbound Process

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

**Step 1** Execute the inbound process.

Submitting the batch job **INGPL** in this step executes the complete inbound flow using the following programs:

- Inbound Extract data (STOUTL)
- Inbound Editor (EBDI001)
- Inbound Split (EBDI015)
- Inbound Mapper (EBDI041)
- Sort Acknowledgements (EBDI110)
- Outbound Acknowledgement (EBDI021)
- Outbound Editor (EBDI002)
- Outbound Split (EBDI016)
- Outbound Add data (STOUTL)
- Batch Number Update (EBDIMBX)

The programs listed above use the test data, partner profiles, and maps provided in the installation file or CD-ROM.

*Typically performed by:* Application Programmer

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

- Modify JCL member **INGPL** to meet your installation requirements and submit.
- If you are processing in Partner Relationship mode, you need to comment out the **SYS095 DD** statements for the Partner Cross Reference file and uncomment the **EDIPREL DD** statements for the Partner Relationship file in Step 4 and Step 18.
- If you are using Concurrency Processing, you need to make the following changes:
  - Step 4: Add a STEPLIB DD statement for the SDFHEXCI load library. Remove the SYS092, EDIIEA, EDIIES, and EDIIECA DD statements.
  - Step 14: Add a STEPLIB DD statement for the SDFHEXCI load library. Remove the EDIIAA, EDIIAS, and EDIIEL DD statements.
  - Step 22: Add a STEPLIB DD statement for the SDFHEXCI load library. Remove the EDIOEA, EDIOES, EDOAL, and EDINRC DD statements.
  - Step 32: Add a STEPLIB DD statement for the SDFHEXCI load library.
- Verify that the return codes are zeroes (or 8 for VSAM).
- Compare your reports with the sample reports that follow.

## Sample Reports

### Connect:Enterprise SYSPRINT DD Output from STOUTL (Inbound Extract) (Step2)

```

DATE 02/01/08 (05336)          TIME 12:00:00          CONNECT:Enterprise Offline Utilities          Page 1
Control Records For This Run:
EXTRACT
GPLUS=YES
ID=TEST
VPF='YOUR.CONNECT.VPF.DSNAME'

```

### Connect:Enterprise REPORTS DD Output from STOUTL (Inbound Extract) (Step2)

```

*** THIS FILE CONTAINS THE REPORTS FOR ALL OF THE OFFLINE UTILITIES EXECUTED ***
DATE 02/01/08 (045336)          TIME 12:00:00          OFFLINE EXTRACT UTILITY REPORT          Release 1.3.00          Page 1
*** Output File Characteristics:
Record Format = Fixed ,Blocked
Record Size = 80
Block Size = 11440
OUTFILE DD Name = OUTFILE
*** Batches extracted from Batch Queues:
Mailbox  Batch      User Batch      XmitBlk  XmitRec  XmitByte  ExtractRec  ExtractByte  Time Date Type DD Name
ID      Number      Identification      Count      Count      Count      Count      Count      Added Added
TEST    120  MAPPING TEST DATA      80         80        6400        81         6480      12:00 04336 HOST  OUTFILE
Total number of batches extracted 1, Total number of blocks extracted 80, VSAM FILE ACCESS VIA VPF
CMU013I - Utility completed, highest Return Codes are, this utility 0, this JOB Step 0.

```

### SYS010 DD Output from EBDI001 (Step4)

```

EBDI001  RUN 02/01/2008  TIME 12:00  ERRORS ENCOUNTERED PROCESSING INCOMING DATA  PAGE 1
ERROR RECORD SEG ELT/COMP/REPEAT
NUMBR NUMBER ID NBR INFORMATION ERROR MESSAGE

*** DATABANK ***** RUN # = 00000032

NO COMPLIANCE ERROS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY.
* * * END OF REPORT * * *

```



*SYSOUT DD Output from EBDI015 (Step 10)*

```

*****
PROGRAM  EBDI015  COMPILED 02/01/0812.00.00
VERSION 6.5  GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

*****
RECORDS READ = 000000245
DIRECTION RECORDS READ = 000000000
RECORDS WRITTEN = 000000245
DIRECTION RECORDS PROCESSED = 000000000
*****

REJECT RECORDS WRITTEN = 000000000
NON-SPLIT RECORDS WRITTEN = 000000245
*****NORMAL END OF JOB*****
    
```

*SYSOUT DD Output from EBDI041 (Step 14)*

```

*****
PROGRAM  EBDI041  COMPILED 02/01/0812.00.00
VERSION 6.5  GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

*****
PROGRAM  EBDI043  COMPILED 07/30/0516.59.54
VERSION 6.5  GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

APPLICATION BEING PROCESSED: INVFILE
*****
PROGRAM  EDID402  COMPILED 07/30/0516.58.35
VERSION 6.5  GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

*****
PROGRAM  EBDI044  COMPILED 07/30/0516.59.55
VERSION 6.5  GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

TRANSLATION BEING PROCESSED: ANSI4030IN
    
```

**For Concurrent Processing**

If you are using Concurrency, you will also see a line displayed in SYSOUT DD for the CICS server program xxxBDBIA called for IA Databank I/O.

**SYS005 DD Output from EBDI041 (Partner/Qualifier mode) (Step 14)**

```

EBDI041    RUN 02/01/2008    TIME 12:00    ERRORS ENCOUNTERED MAPPING INCOMING DATA    PAGE    1
ERROR    **RECORD**    FIELD SEG ELE
NUMBR    NBR ID    SEQ # ID SEQ INFORMATION    ERROR MESSAGE
NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY - PROCESSING COUNTS BELOW
                                EDI RECORDS READ -----    245
                                EDI RECORDS SUSPENDED -----    0
                                APPLICATION RECORDS WRITTEN ----    114
                                RETURN-CODE FOR MAPPING -----    0
    
```

**SYS006 DD Output from EBDI041 (Partner/Qualifier mode) (Step 14)**

```

EBDI041    RUN 02/01/2008    TIME 12:00    PROCESSING OPTIONS FOR MAPPING INCOMING DATA    PAGE    1
APPLICATION TO PROCESS-----INVFILE
ABEND PROGRAM ON SERIOUS ERROR-----N
USER EXIT VERSION SUPPORTED-----1
APPLICATION DECIMAL INDICATOR IS-----.
RIGHT JUSTIFY ALL APPLICATION REALS-----N
HANDLE FLOATING NOTES WITHIN A SECTION--Y
DATABANK PROCESSING CONFIGURATION-----DIRECTORY AND MESSAGE STORE
DATABANK PROCESSING LEVEL-----DIRECTORY AND MESSAGE STORE
DATABANK RUN NUMBER-----00000012
DIRECTORY POSTING OPTION-----POST SENDER ONLY
PARTNER PROFILE MODE-----PARTNER/QUALIFIER MODE
PRINT PARTNER NAME -----N
WRITE APPLICATION RECORDS-----Y
BUSINESS DOCUMENT TRACKING-----N
SUPPORT SINGLE QUOTE -----N
VERIFY PARTNER SPECIFIC MAP VERSION-----N
CONCURRENCY ENABLED -----N
MESSAGE CENTERN ENABLED-----N
EBDI041    RUN 02/01/2008    TIME 12:00    SUMMARY CONTROL COUNTS MAPPING INCOMING DATA    PAGE    1
PROCESSING BEGAN ON 02/01/2008 AT 12:00 PM.
INTERCHANGES READ -----    1
GROUPS READ -----    1
TRANSACTIONS READ -----    6
SEGMENTS READ -----    210
CHARACTERS READ -----    25,153
DOCUMENTS STORED ON DATA BANK -----    6
RECORDS STORED ON DATA BANK -----    114
APPLICATION DOCUMENTS WRITTEN -----    6
APPLICATION RECORDS WRITTEN -----    114
APPLICATION CHARACTERS WRITTEN -----    9,120
DOCUMENTS SUSPENDED -----    0
RECORDS SUSPENDED -----    0
CHARACTERS SUSPENDED -----    0
NUMBER OF APPLICATIONS PROCESSED -----    1
NUMBER OF MAP DEFINITIONS PROCESSED ---    1
NUMBER OF TRADING PARTNERS PROCESSED --    1
PROCESSING ENDED ON 02/01/2008 AT 12:00 PM.
    
```

**For Relationship Mode**

If you are processing in Partner Relationship mode, this report will show a Directory Posting Option of **Post User/Partner** and a Partner Profile Mode of **Relationship Mode**.

**For Concurrent Processing**

If you are using Concurrency Processing, you will see four lines describing concurrency processing information in place of **CONCURRENCY ENABLED -----N**:

```

CONCURRENCY ENABLED -----Y
CICS APPLID FOR CONCURRENCY -----XXXXXXXXX
SYSTEM IMAGE FOR CONCURRENCY-----XXX
PROGRAM IMAGE FOR CONCURRENCY ---XXX
    
```

## SYSOUT DD Output from EBDI110 (Step 17)

```

*****
PROGRAM  EBDI110  COMPILED 07/30/0517.01.54
VERSION  6.5    GENTRAN: BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

SYNCSORT  3.7BRI TPF1  US PATENTS: 4210961,5117495, OTHER PAT. PEND. (C) 1998 SYNCSORT INC. DATE=2008/335 TIME=12.00.00
                STERLING.COMMERCE  z/OS  1.3.0  CPU MODEL 9672

PARMLIST :
SORT FIELDS=(0005,0012,CH,A)
RECORD TYPE=V,LENGTH=(030022,,,000005,)
WER164B  12,940K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
WER164B   128K BYTES RESERVE REQUESTED, 12,268K BYTES USED
WER146B  20K BYTES OF EMERGENCY SPACE ALLOCATED
WER410B  11,780K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
WER410B   0 BYTES RESERVE REQUESTED, 11,780K BYTES USED
WER036B  G=48059,B=47464
WER162B  15 PREALLOCATED SORTWORK TRACKS, 0 DYNAMICALLY ALLOCATED,
WER162B   0 ACQUIRED IN SECONDARY EXTENTS, 0 RELEASED, TOTAL OF 1 TRACKS USED
WER124I  ESTIMATED PREALLOCATED/USED SORTWORK SPACE USAGE FACTOR = 30.00
WER045C  END SORT PHASE
WER055I  INSERT      11, DELETE      11
WER416B  SORTWK1:   EXCP'S=5,UNIT=3390,DEV=3702,CHP=1A1B2D30878B9FB3,VOL=SMSWK4
WER416B  SORTWK2:   EXCP'S=0,UNIT=3390,DEV=323B,CHP=2385A9AA318486E4,VOL=SMSWK9
WER416B  TOTAL OF 5 EXCP'S ISSUED FOR SORTWORKS
WER416B  TOTAL OF 5 EXCP'S ISSUED FOR SORTING
WER246I  FILESIZE 1,540 BYTES
WER054I  RCD IN      0, OUT      0
WER169I  RELEASE 3.7B BATCH 0278 TPF LEVEL 1
WER052I  END SYNCSORT - BPINGPL,STEP17,,DIAG=C600,86D7,28D7,2886,D7C6,86C7,28C6

UNSORTED RECORDS READ.....000000011
RECORDS READ.....000000011
RECORDS WRITTEN.....000000011
*****

```

## SYSOUT DD Output from EBDI021 (Step 18)

```

*****
PROGRAM  EBDI021  COMPILED 02/01/0812.00.00
VERSION  6.5    GENTRAN: PLUS 02/01/2008
CURRENT DATE IS 02/01/08
TIME STARTED IS 12:00:00
*****

*****
RECORDS READ =          000000011
$$ADD RECS WRITTEN = 000000001
DIR RECORDS DROPPED 000000000
RECORDS WRITTEN =          000000012
*****NORMAL END OF JOB*****

```

## SYS010 DD Output from EBDI002 (Step 22)

```

EBDI002    RUN 02/01/2008    TIME 12:00    ERRORS ENCOUNTERED PROCESS
ERROR RECORD SEG ELT/COMP
NUMBR NUMBER ID  NBR    INFORMATION          ERROR MESSAGE

*** DATABANK *****    RUN #    = 00000018

NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY

* * *   END OF REPORT   * * *

```



## SYS006 DD Output from EBDI002 (Partner/Qualifier mode) (Step 22)

```

EBDI002  RUN 02/01/2008  TIME 12:00  RUNTIME GLOBAL PARAMETER OVERRIDES  PAGE 1
EBDI002  RUN 02/01/2008  TIME 12:00  SYSTEM CONFIGURATION OPTIONS  PAGE 2
INTCHG VERSION = N
GROUP VERSION = N
TRANSACTION VERSION = N
TRADING PROFILE MODE PARTNER QUALIFIER
MULTIPLE ENVELOPE DISABLED
CONCURRENCY DISABLED
MESSAGE CENTER DISABLED
EBDI002  RUN 02/01/2008  TIME 12:00  GLOBAL PARAMETER LIST  PAGE 3
VERIFY PARTNER INTERCHANGE OFF
VERIFY PARTNER GROUP OFF
VERIFY PARTNER TRANSACTION OFF
VERIFY RECEIVER INTERCHANGE OFF
VERIFY RECEIVER GROUP OFF
ERROR REPORT ALWAYS
DIRECTED OUTPUT FILES
ICS TABLES OFF
CODE CHECK ON
PARTNER DATABANK OFF
COMPRESS TRANSMISSION
OUTPUT FILE LENGTH 080
GS SENDER/RECEIVER QUALIFIER INTERCHANGE
OUTBOUND EDI INTERCHANGE FULL
OUTBOUND EDI GROUP DIRECTORY
OUTBOUND EDI TRANSACTION DIRECTORY
EBDI002  RUN 02/01/2008  TIME 12:00  SUMMARY CONTROL COUNTS PROCESSING OUTGOING DATA  PAGE 4

PROCESSING BEGAN ON 02/01/2008 AT 12:00 PM.
OVERALL INPUTS AND OUTPUTS SUMMARY
INTERCHANGES READ ----- 1  DATABANK OUTPUT SUMMARY
GROUPS READ ----- 1  INTERCHANGES STORED ON DATA BANK ----- 1
TRANSACTIONS READ ----- 1  REJECTED INTERCHANGES ON DATA BANK ----- 0
SEGMENTS READ ----- 8  GROUPS STORED ON DATA BANK ----- 1
RECORDS READ ----- 12  REJECTED GROUPS ON DATA BANK ----- 0
CHARACTERS READ ----- 309  TRANSACTIONS STORED ON DATA BANK ----- 1
INTERCHANGES WRITTEN ----- 1  REJECTED TRANSACTIONS ON DATA BANK ----- 0
INTERCHANGES REJECTED ----- 0  SEGMENTS STORED ON DATA BANK ----- 8
INTERCHANGES SUSPENDED ----- 0  CHARACTERS STORED ON DATA BANK ----- 320
GROUPS WRITTEN ----- 1  RECORDS STORED ON DATA BANK ----- 4
GROUPS REJECTED ----- 0
GROUPS SUSPENDED ----- 0
TRANSACTIONS WRITTEN ----- 1
TRANSACTIONS REJECTED ----- 0
TRANSACTIONS SUSPENDED ----- 0
SEGMENTS WRITTEN ----- 8
CHARACTERS WRITTEN (WRAPPED OUTPUT) ----- 393
SEGMENTS SUSPENDED ----- 0
MISCELLANEOUS OUTPUT SUMMARY
TOTAL PASS-THRU WRITTEN----- 0
DIRECTION PASS-THRU WRITTEN ----- 1
ERROR REJECTION PASS-THRU WRITTEN ----- 0
TOTAL RECORDS WRITTEN----- 5
TOTAL PACKAGES WRITTEN----- 0

PROCESSING ENDED ON 02/01/2008 AT 12:00 PM.

```

**For Relationship Mode**

If you are processing in Partner Relationship mode, this report will show a Trading Profile Mode of **Relationship**.

**For Concurrent Processing**

If you are using Concurrent Processing, you will see four lines describing concurrent processing information in place of **CONCURRENCY DISABLED**:

```

CONCURRENCY ENABLED
CICS APPLID FOR CONCURRENCY = XXXXXXXXX
SYSTEM IMAGE FOR CONCURRENCY = XXX
PROGRAM IMAGE FOR CONCURRENCY = XXX

```

SYSOUT DD Output from EBDI016 (Step 26)

```

*****
PROGRAM EBDI016 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

SYNCSORT 3.7BRI TPF1 US PATENTS: 4210961,5117495, OTHER PAT. PEND. (C) 1998 SYNCSORT INC. DATE=2008/335 TIME=12.00.00
STERLING.COMMERCE z/OS 1.3.0 CPU MODEL 9672

PARMLIST :
SORT FIELDS=(0001,0010,CH,A)
RECORD TYPE=F,LENGTH=(000142,,)
WER164B 12,940K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
WER164B 128K BYTES RESERVE REQUESTED, 12,268K BYTES USED
WER146B 20K BYTES OF EMERGENCY SPACE ALLOCATED
WER410B 11,780K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
WER410B 0 BYTES RESERVE REQUESTED, 11,780K BYTES USED
WER036B G=34500
WER177I TURNAROUND SORT PERFORMED
WER045C END SORT PHASE
WER055I INSERT 5, DELETE 5
WER416B TOTAL OF 0 EXCP'S ISSUED FOR SORTING
WER246I FILESIZE 710 BYTES
WER054I RCD IN 0, OUT 0
WER169I RELEASE 3.7B BATCH 0278 TPF LEVEL 1
WER052I END SYNCSORT - BPINGPL,STEP26,,DIAG=E600,A685,08F9,68B7,F7EA,A685,08E8
*****
RECORDS READ = 00000005
DIRECTION RECORDS READ = 00000001
RECORDS WRITTEN = 00000004
REJECT RECORDS WRITTEN = 00000000
NON-SPLIT RECORDS WRITTEN = 00000000
RECORDS WRITTEN TO SPLIT FILE 0100 = 00000004
*****NORMAL END OF JOB*****

```

Connect:Enterprise REPORTS DD Output from STOUTL (Outbound Add) (Step 29)

```

*** THIS FILE CONTAINS THE REPORTS FOR ALL OF THE OFFLINE UTILITIES EXECUTED ***
DATE 02/01/08 (08032) TIME 12:00:00 OFFLINE ADD UTILITY REPORT Release 1.3.00 Page 1
*** Input File Characteristics:
Record Format = Fixed ,Blocked
Record Size = 80
Block Size = 8000
INFILE DD Name = INFILE DSN = GENTRAN.V6X5.PGM016.SPLIT100
Control Information obtained from INFILE
*** Batches added to Batch Queues:
BATCH STATUS: I=Incomplete, C=Collected Online, A=Added Offline, D=Flagged For Deletion,
N=NonTransmittable, U=Unextractable, R=Requestable, T=Transmitted, E=Extracted, M=Multixmt,
X=Transparent Data, B=BSC, F=FTP, S=SNA, Z=EBCDIC, 0=Structure File, 1=FTP MODE Blocked,
2=FTP MODE Compressed, 3=FTP MODE Streamed, 4=SSL, 8=FTP Structure File, 9=FTP Structure Record,
e=Encrypted when offline added
Mailbox Batch User Batch Input Input Output Output Date Time Status
ID Number Identification VBQ# Bytes Records Bytes Records Added Added Flags
TEST 147 000000000000009 03 320 4 240 3 08032 12:00.00 A R
Total Batches Added = 1
Total Input Records = 4
CMU013I - Utility completed, highest Return Codes are, this utility 0, this JOB Step 0.

```

*EDISUM DD OUTPUT from EBDIMBX*

```
REPORT DATE: 02/01/2008          CONNECT XREF/BATCH NUMBER UPDATE REPORT          PAGE: 1
REPORT TIME: 12:00:00

CONCURRENCY-ENABLED:              NO
INPUT REPORT RECORDS READ:        6
XREF TEMPORARY RECORDS WRITTEN:   1
OUTBOUND EDI INTERCHANGE RECORDS READ: 1
OUTBOUND EDI RECORDS WITH XREF NUMBERS: 1
OUTBOUND EDI INTERCHANGE RECORDS UPDATED: 1
OUTBOUND EDI XREF NOT FOUND:      0
*** NORMAL END - DATABANK BATCH NUMBER UPDATE PROCESS ***
```

**For Concurrent Processing**

If you are using Concurrent Processing, you will see four lines describing concurrent processing information in place of **CONCURRENCY-ENABLED: NO**:

```
CONCURRENCY-ENABLED:              YES
CICS-APPLID-FOR-CONCURRENCY:     XXXXXXXXX
SYSTEM-IMAGE-FOR-CONCURRENCY:    XXX
PROGRAM-IMAGE-FOR-CONCURRENCY:   XXX
```

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

---

## Outbound Process

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

**Step 2** Execute the outbound process.

Submitting the batch job OUTGPL in this step executes the complete outbound flow using the following programs:

- Outbound Mapper (EBDI042)
- Outbound Editor (EBDI002)
- Outbound Split (EBDI016)
- Outbound Add data (STOUTL)
- Batch Number Update (EBDIMBX)

The programs listed above use the test data, partner profiles, and maps provided in the installation file or CD-ROM.

*Typically performed by:* Application Programmer

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

- Modify JCL member **OUTGPL** to meet your installation requirements and submit.
- If you are processing in Partner Relationship mode, you need to comment out the **SYS095 DD** statements for the Partner Cross Reference File and uncomment the **EDIPREL DD** statements for the Partner Relationship file in Step 2.  
  
Also, you need to modify the second parameter record in SYS001 for EBDI042 to assign “YOUR COMPANY” as the Default User Id starting in position 40.
- If you are using Concurrency Processing, you need to make the following changes:
  - Step 2: Add a STEPLIB DD statement for the SDFHEXCI load library. Remove the EDIOAA, EDIOAS, and EDIOACA DD statements.
  - Step 5: Add a STEPLIB DD statement for the SDFHEXCI load library. Remove the EDIOEA, EDIOES, EDIIOAL, and EDINRC DD statements.
  - Step 15: Add a STEPLIB DD statement for the SDFHEXCI load library.
- Verify that the return codes are zeroes.
- Compare your reports with the sample reports that follow.

### Sample Reports

#### SYSOUT DD Output from EBDI042 (Step 2)

```

*****
PROGRAM EBDI042 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

*****
PROGRAM EBDI043 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

APPLICATION BEING PROCESSED: POFILE
*****
PROGRAM EDID102 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

*****
PROGRAM EBDI045 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

TRANSLATION BEING PROCESSED: ANSI4030PO
*****
PROGRAM EBDI056 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****
    
```

#### For Concurrent Processing

If you are using Concurrent Processing, you will also see a line displayed in SYSOUT DD for the CICS server program xxxBDBOA for OA Databank I/O and xxxBCTL for Inbound/Outbound Control updates.

#### SYS005 DD Output from EBDI042 (Step 2)

```

EBDI042  RUN 02/01/2008  TIME 12:00  ERRORS ENCOUNTERED MAPPING OUTGOING DATA  PAGE 1
ERROR  **RECORD**           FIELD SEG  ELE
NUMBR  NBR ID              SEQ # ID  SEQ INFORMATION  ERROR MESSAGE
NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY - PROCESSING COUNTS BELOW
                                APPLICATION RECORDS READ ----- 68
                                APPLICATION RECORDS SUSPENDED -      0
                                TOTAL RECORDS WRITTEN ----- 140
                                RETURN CODE FOR MAPPING ----- 0
    
```

SYS006 DD Output from EBDI042 (Partner/Qualifier mode) (Step 2)

```

EBDI042    RUN 02/01/2008    TIME 12:00    PROCESSING OPTIONS FOR MAPPING OUTGOING DATA    PAGE    1
APPLICATION TO PROCESS-----POFILE
USER EXIT VERSION SUPPORTED-----1
APPLICATION DECIMAL INDICATOR IS-----.
DATABANK PROCESSING CONFIGURATION-----DIRECTORY AND MESSAGE STORE
DATABANK PROCESSING LEVEL-----DIRECTORY AND MESSAGE STORE
DATABANK RUN NUMBER-----00000017
PARTNER PROFILE MODE-----PARTNER/QUALIFIER MODE
PARTNER PROCESSING SEQUENCE-----SEARCH PARTNER FILE
DIRECTORY POSTING OPTION-----POST RECEIVER ONLY
USE MULTIPLE ENVELOPE ID -----N
USE INTERCHANGE PARTNER WITH VERSION----N
USE GROUP PARTNER WITH VERSION-----N
USE TRANSACTION PARTNER WITH VERSION----N
ENVELOPE GENERATION OPTION-----MAPPER GENERATES ENVELOPES
GENERATE RETURN CODE -----Y
CONCURRENCY ENABLED -----N
MESSAGE CENTER ENABLED -----N
EBDI042    RUN 02/01/2008    TIME 12:00    PROCESSING OPTIONS FOR ENVELOPE GENERATION    PAGE    1
GENTRAN:PLUS-----Y
EBDI042    RUN 02/01/2008    TIME 12:00    SUMMARY CONTROL COUNTS MAPPING OUTGOING DATA    PAGE    1
PROCESSING BEGAN ON 02/01/2008 AT 12:00 PM.
          4
SEQUENTIAL INPUT DOCUMENTS READ -----
          68
SEQUENTIAL INPUT RECORDS READ -----
          17,000
SEQUENTIAL INPUT CHARACTERS READ -----
          4
DOCUMENTS STORED ON DATA BANK -----
          68
RECORDS STORED ON DATA BANK -----
          0
DOCUMENTS REPROCESSED -----
          0
RECORDS REPROCESSED -----
          0
CHARACTERS REPROCESSED -----
          0
DOCUMENTS SUSPENDED -----
          0
RECORDS SUSPENDED -----
          0
CHARACTERS SUSPENDED -----
          4
EDI DOCUMENTS GENERATED -----
          0
EDI PACKAGES GENERATED -----
          140
TOTAL RECORDS WRITTEN -----
          1
NUMBER OF APPLICATIONS PROCESSED -----
          1
NUMBER OF MAP DEFINITIONS PROCESSED ---
          4
NUMBER OF TRADING PARTNERS PROCESSED --
          4
PROCESSING ENDED ON 02/01/2008 AT 12:00 PM.
    
```

**For Relationship Mode**

If you are processing in Partner Relationship mode, this report will show a Directory Posting Option of “Post User/Partner” and a Trading Profile Mode of “Relationship Mode.”

**For Concurrent Processing**

If you are using Concurrency Processing, you will see four lines describing concurrency processing information in place of **CONCURRENCY ENABLED -----N:**

```

CONCURRENCY ENABLED -----Y
CICS APPLID FOR CONCURRENCY -----XXXXXXXXX
SYSTEM IMAGE FOR CONCURRENCY-----XXX
PROGRAM IMAGE FOR CONCURRENCY ---XXX
    
```

SYS010 DD Output from EBDI002 (Step 5)

```

EBDI002    RUN 02/01/2008    TIME 12:00    ERRORS ENCOUNTERED PROCESSING OUTGOING DATA    PAGE    1
ERROR RECORD SEG ELT/COMP
NUMBR NUMBER ID NBR    INFORMATION    ERROR MESSAGE

*** DATABANK *****    RUN #    = 00000019

NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY
* * *    END OF REPORT    * * *
    
```

SYS006 DD Output from EBDI002 (Partner/Qualifier mode) (Step 5)

```

EBDI002    RUN 02/01/2008    TIME 12:00    RUNTIME GLOBAL PARAMETER OVERRIDES                PAGE    1
EBDI002    RUN 02/01/2008    TIME 12:00    SYSTEM CONFIGURATION OPTIONS                        PAGE    2
INTCHG VERSION      = N
GROUP VERSION       = N
TRANSACTION VERSION = N
TRADING PROFILE MODE PARTNER QUALIFIER
MULTIPLE ENVELOPE DISABLED
CONCURRENCY DISABLED
MESSAGE CENTER DISABLED
EBDI002    RUN 02/01/2008    TIME 12:00    GLOBAL PARAMETER LIST                                PAGE    3
VERIFY PARTNER INTERCHANGE OFF
VERIFY PARTNER GROUP OFF
VERIFY PARTNER TRANSACTION OFF
VERIFY RECEIVER INTERCHANGE OFF
VERIFY RECEIVER GROUP OFF
ERROR REPORT ALWAYS
DIRECTED OUTPUT FILES
ICS TABLES OFF
CODE CHECK ON
PARTNER DATABANK OFF
COMPRESS TRANSMISSION
GS SENDER/RECEIVER QUALIFIER INTERCHANGE
OUTBOUND EDI INTERCHANGE FULL
OUTBOUND EDI GROUP DIRECTORY
OUTBOUND EDI TRANSACTION DIRECTORY
EBDI002    RUN 02/01/2008    TIME 12:00    SUMMARY CONTROL COUNTS PROCESSING OUTGOING DATA    PAGE    4

PROCESSING BEGAN ON 02/01/2008 AT 12:00 PM.
OVERALL INPUTS AND OUTPUTS SUMMARY
INTERCHANGES READ ----- 4
GROUPS READ ----- 4
TRANSACTIONS READ ----- 4
SEGMENTS READ ----- 124
RECORDS READ ----- 140
CHARACTERS READ ----- 4,037
INTERCHANGES WRITTEN ----- 4
INTERCHANGES REJECTED ----- 0
INTERCHANGES SUSPENDED ----- 0
GROUPS WRITTEN ----- 4
GROUPS REJECTED ----- 0
GROUPS SUSPENDED ----- 0
TRANSACTIONS WRITTEN ----- 4
TRANSACTIONS REJECTED ----- 0
TRANSACTIONS SUSPENDED ----- 0
SEGMENTS WRITTEN ----- 124
CHARACTERS WRITTEN (WRAPPED OUTPUT)----- 4,442
SEGMENTS SUSPENDED ----- 0
MISCELLANEOUS OUTPUT SUMMARY
TOTAL PASS-THRU WRITTEN----- 0
DIRECTION PASS-THRU WRITTEN ----- 4
ERROR REJECTION PASS-THRU WRITTEN ----- 0
TOTAL RECORDS WRITTEN----- 58
TOTAL PACKAGES WRITTEN----- 0

DATABANK OUTPUT SUMMARY
INTERCHANGES STORED ON DATA BANK ----- 4
REJECTED INTERCHANGES ON DATA BANK ----- 0
GROUPS STORED ON DATA BANK ----- 4
REJECTED GROUPS ON DATA BANK ----- 0
TRANSACTIONS STORED ON DATA BANK ----- 4
REJECTED TRANSACTIONS ON DATA BANK ----- 0
SEGMENTS STORED ON DATA BANK ----- 124
CHARACTERS STORED ON DATA BANK ----- 4,320
RECORDS STORED ON DATA BANK ----- 54

PROCESSING ENDED ON 02/01/2008 AT 12:00 PM.
    
```

**For Relationship Mode**

If you are processing in Partner Relationship mode, this report will show a Trading Profile Mode of "Relationship."

**For Concurrent Processing**

If you are using Concurrent Processing, you will see four lines describing concurrent processing information in place of **CONCURRENCY DISABLED**:

```

CONCURRENCY ENABLED
CICS APPLID FOR CONCURRENCY = XXXXXXXXX
SYSTEM IMAGE FOR CONCURRENCY = XXX
PROGRAM IMAGE FOR CONCURRENCY = XXX
    
```

**SYSOUT DD Output from EBDI016 (Step 9)**

```

*****
PROGRAM EBDI016 COMPILED 02/01/0812.00.00
VERSION 6.5 GENTRAN:BASIC 02/01/2008
CURRENT DATE IS 02/01/2008
TIME STARTED IS 12:00:00
*****

SYNSORT 3.7BRI TPF1 US PATENTS: 4210961,5117495, OTHER PAT. PEND. (C) 1998 SYNSORT INC. DATE=2008/032 TIME=12.00.00
STERLING.COMMERCE z/OS 1.3.0 CPU MODEL 9672

PARMLIST :
SORT FIELDS=(0001,0010,CH,A)
RECORD TYPE=F,LENGTH=(000142,,)
WER164B 12,940K BYTES OF VIRTUAL STORAGE AVAILABLE, MAX REQUESTED,
WER164B 128K BYTES RESERVE REQUESTED, 12,268K BYTES USED
WER146B 20K BYTES OF EMERGENCY SPACE ALLOCATED
WER410B 11,780K BYTES OF VIRTUAL STORAGE AVAILABLE ABOVE THE 16MEG LINE,
WER410B 0 BYTES RESERVE REQUESTED, 11,780K BYTES USED
WER036B G=34500
WER177I TURNAROUND SORT PERFORMED
WER045C END SORT PHASE
WER055I INSERT 58, DELETE 58
WER416B TOTAL OF 0 EXCP'S ISSUED FOR SORTING
WER246I FILESIZE 8,236 BYTES
WER054I RCD IN 0, OUT 0
WER169I RELEASE 3.7B BATCH 0278 TPF LEVEL 1
WER052I END SYNSORT - BPOUTGP,STEP9,,DIAG=AE00,AE0B,4057,E4BF,BF46,AE0B,4046
*****
RECORDS READ = 00000058
DIRECTION RECORDS READ = 00000004
RECORDS WRITTEN = 00000054
REJECT RECORDS WRITTEN = 00000000
NON-SPLIT RECORDS WRITTEN = 00000000
RECORDS WRITTEN TO SPLIT FILE 0100 = 00000054
*****NORMAL END OF JOB*****
    
```

**Connect:Enterprise REPORTS DD Output from STOUTL (Outbound Add) (Step 12)**

```

*** THIS FILE CONTAINS THE REPORTS FOR ALL OF THE OFFLINE UTILITIES EXECUTED ***
DATE 02/01/08 (08032) TIME 12:00:00 OFFLINE ADD UTILITY REPORT Release 1.3.00 Page 1
*** Input File Characteristics:
Record Format = Fixed ,Blocked
Record Size = 80
Block Size = 8000
INFILE DD Name = INFILE DSN = GENTRAN.V6X5.PGM016.SPLIT100
Control Information obtained from INFILE
*** Batches added to Batch Queues:
BATCH STATUS: I=Incomplete, C=Collected Online, A=Added Offline, D=Flagged For Deletion,
N=NonTransmittable, U=Unextractable, R=Requestable, T=Transmitted, E=Extracted, M=Multixmt,
X=Transparent Data, B=BSC, F=FTP, S=SNA, Z=EBCDIC, 0=Structure File, 1=FTP MODE Blocked,
2=FTP MODE Compressed, 3=FTP MODE Streamed, 4=SSL, 8=FTP Structure File, 9=FTP Structure Record,
e=Encrypted when offline added
Mailbox Batch User Batch Input Input Output Output Date Time Status
ID Number Identification VBQ# Bytes Records Bytes Records Added Added Flags
TEST 148 000000000000010 03 1280 16 1200 15 08032 12:00.00 A R
TEST-2 149 000000000000005 03 960 12 880 11 08032 12:00.00 A R
TEST-3 150 000000000000005 03 1120 14 1040 13 08032 12:00.00 A R
TEST-4 151 000000000000005 03 960 12 880 11 08032 12:00.00 A R
Total Batches Added = 4
Total Input Records = 54
CMU013I - Utility completed, highest Return Codes are, this utility 0, this JOB Step 0.
    
```



*EDISUM DD Output from EBDIMBX (Step 15)*

```
REPORT DATE: 02/01/2008                                CONNECT XREF/BATCH NUMBER UPDATE REPORT
REPORT TIME: 12:00:00

CONCURRENCY-ENABLED:                                    NO
INPUT REPORT RECORDS READ:                              9
XREF TEMPORARY RECORDS WRITTEN:                         4
OUTBOUND EDI INTERCHANGE RECORDS READ:                 5
OUTBOUND EDI RECORDS WITH XREF NUMBERS:                4
OUTBOUND EDI INTERCHANGE RECORDS UPDATED:              4
OUTBOUND EDI XREF NOT FOUND:                           0
*** NORMAL END - DATABANK BATCH NUMBER UPDATE PROCESS ***
```

**For Concurrent Processing**

If you are using Concurrent Processing, you will see four lines describing concurrent processing information:

```
CONCURRENCY-ENABLED:                                    YES
CICS-APPLID-FOR-CONCURRENCY:  XXXXXXXXX
SYSTEM-IMAGE-FOR-CONCURRENCY:  XXX
PROGRAM-IMAGE-FOR-CONCURRENCY:  XXX
```

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

## Online Screens

This section provides you with the steps for testing screens to validate the correct setup of all subsystems. This section also includes a summarization that explains jump codes in Gentran:Plus and how to use them.

### Using Jump Codes

In Gentran:Plus, most screens have a jump code associated with them, which provide the capability to easily jump from screen to screen. By using jump codes, you will not need to navigate out of subsystems, display the main menu, and then select an option to display another screen. You only need to enter the respective jump code to jump from screen to screen.

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 use jump codes, perform 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 in the Jump Code field and press **Enter**.

See the section on Jump Codes in Chapter 3 of the *Gentran:Plus for zSeries Release 6.5 User Guide* for detailed information on jump codes and guidelines for using them.

For a listing of all numeric and alphabetic jump codes by Gentran:Plus screen, see Appendix A of the *Gentran:Plus for zSeries Release 6.5 User Guide*.

## Performing the Online Installation Verification Procedure

*Typically performed by:* Application Programmer

Complete the following tasks to verify that the Communications subsystem was installed properly.

**Step 3** Navigate to the appropriate screen for the CICS terminal and clear the screen. At the insertion point, type the System Image ID and then press **Enter** to display the Gentran:Basic Release 6.5 logon screen.

See Appendix B for more information about the System Image feature.

```
EDIM000                                02/01/2008
                                         12:00:00

                                         G E N T R A N

SYSTEM IMAGE: EDI                       PROGRAM IMAGE: EDI           DBK CONFIG:FFFF
PAUSE = EXIT PC KYBD                   GENTRAN: BASIC 6.5.00       GENTRAN: PLUS 6.5.00

                                         User ID: _____ Password:
                                         New Password:

                                         ***TRADE SECRET NOTICE***
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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 add-on products are installed on your system.

**Step 4** Type **ADMIN** in the User ID field and press **Tab**. Type **SECURITY** in the Password field and press **Enter**.

The Gentran Main Menu displays. You can access all Gentran subsystems from this menu.

```

EDIM001 0.0_____          GENTRAN MAIN MENU          XXX      02/01/2008
EDI/EDI                      XXXXXXXXX      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
      7.  Gentran:Control Main Menu
      8.  Gentran:Realtime Main Menu
      9.  Gentran:Viewpoint Main Menu (N/A)

Enter PF1=Help          PF3=Exit

                                                                    PF15=Logoff

```

**Note:** If you are a new Gentran:Plus customer and have not configured security to authorize the use of the Gentran:Plus subsystem, complete **Step 5** through **Step 13** below. If you are an existing Gentran:Plus customer, skip **Step 5** through **Step 13** and proceed to **Step 14**.

**Step 5** Select option **4** (Administrative Maintenance Menu) from the Gentran Main Menu.

The Administrative Maintenance Menu displays.

```

EDIM210 4.0_____          ADMINISTRATIVE MAIN MENU          XXX      02/01/2008
                                                                    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
      9.  Message Center Job Summary

Enter PF1=Help          PF3=Exit
PF15=Logoff

```

**Step 6** Select option 1 (Security Maintenance Menu) from the Administrative Maintenance Menu.

The Security Maintenance Menu displays.

```

EDIM200 4.1_____ SECURITY MAINTENANCE MENU      XXX      02/01/2008
                                                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
    
```

**Step 7** Select option 2 (User ID Maintenance) from the Security Maintenance Menu.

**Step 8** The User ID Maintenance-1 screen displays. In the User Id field, type **ADMIN** and press **Enter**. Verify that the User ID Maintenance-1 screen is displayed.

```

EDIM201 4.1.2_____ USER ID MAINTENANCE-1      XXX      02/01/2008
                                                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...: SCI

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
  Security Maintenance  Y (Y/N)  1 (1/2/3)
  Message Maintenance   Y (Y/N)  1 (1/2/3)
  Configuration File Maintenance
  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
    
```

**Step 9** Press **PF5=More Opts** to display User ID Maintenance-2 screen.

```

EDIM202 _____ USER ID MAINTENANCE-2 XXX 02/01/2008
                                           12:00:00

User Id..... ADMIN

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

Options                                     Access   Authority Level
Gentran:Plus                               N (Y/N)  3 (1/2/3)
Gentran:Control                             Y (Y/N)  3 (1/2/3)
Gentran:Realtime                           Y (Y/N)  3 (1/2/3)
Realtime Databank Maintenance               Y (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
    
```

**Step 10** For Gentran:Plus, change the Access code from **N** to **Y** and the Authority Level to **1**. Press **PF10** to update.

Verify that the updated screen is displayed.

```

EDIM202 _____ USER ID MAINTENANCE-2 XXX 02/01/2008
                                           12:00:00

User Id..... ADMIN

Last Update Date...: 02/01/08 User...: XXX

Options                                     Access   Authority Level
Gentran:Plus                               Y (Y/N)  1 (1/2/3)
Gentran:Control                             Y (Y/N)  3 (1/2/3)
Gentran:Realtime                           Y (Y/N)  3 (1/2/3)
Realtime Databank Maintenance               Y (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
                        PF10=Updt
    
```

**Step 11** You must exit and re-enter the Gentran system for these changes to take effect. Press **Home** to move the cursor to the Jump Code field, type **EXIT** and press **Enter** to leave the Gentran system.

**Step 12** Clear the CICS screen. Type the System Image ID and then press **Enter** to display the Gentran logon screen.

**Step 13** On the Gentran logon screen, type **ADMIN** in the User ID field and press **Tab**. Type **SECURITY** in the Password field and press **Enter**.

The Gentran Main Menu (EDIM001) displays.

```

EDIM001 0.0 _____ GENTRAN MAIN MENU      XXX      02/01/2008
EDI/EDI                               XXXXXXXX  12:00:00

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

6_  1.  Partner Maintenance Menu
    2.  Standards Maintenance Menu
    3.  Databank Maintenance Menu
    4.  Administrative Maintenance
    5.  Mapping Maintenance Menu

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

Enter PF1=Help          PF3=Exit

                                           PF15=Logoff

```

**Step 14** From the Gentran Main Menu, select option **6** (Gentran:Plus Main Menu). Depending on the Gentran:Plus configuration setting of the **User ID Security Flag** and the availability of the Connect communications product, the Communications Security screen may be displayed next.

```

EDIM40V _____ COMMUNICATIONS SECURITY      XXX      02/01/2008
                                           12:00:00

User ID...: _____

Password...:

PLEASE ENTER YOUR USER ID AND PASSWORD
Enter PF1=Help          PF3=Exit

```

**Step 15** If it is displayed, enter your User ID and Password to continue into the Gentran:Plus subsystem.











**Step 23** Press **PF4=IntStatus** to return to the Interchange Status screen.

```

Select Update Changeaudit Autoconnect Remoteconnect List BtchId
EDIM40E 6.2_____ INTERCHANGE STATUS XXX 02/01/2008
12:00:00

Mailbox Id: TEST_____ Batch Number..: _____
Batch Status Flags..: _____ (!,A,B,C,D,E,F,I,M,N,R,S,T,U,X,Z,0)
Batch Id..: _____
From Date.: _____ Time.: _____ To Date.: _____ Time.: _____
Number of
A I/O Batch# Batch Id Batch Status Flags Date Time Blocks
_ O 0000320 MAPPING TEST DATA A R E 08/10 15:17 000000080
_ O 0000326 000000000000008 A R 09/17 14:35 000000003
_ O 0000327 000000000000009 A R 09/17 14:59 000000015
_
_
_
_
_
_
_
_
END OF BATCHES
Enter PF1=Help PF2=Mode PF3=Exit PF4=Directory PF5=Next
PF7=Bwd PF8=Fwd
    
```

**Step 24** Change the status of the second batch listed by moving the cursor to the A (Action Code) field to the left of the second batch. Type **u** and Press **PF5=Next**.

The Status Maintenance screen displays.

```

EDIM413 6.8.1_____ STATUS MAINTENANCE XXX 02/01/2008
12:00:00

Mailbox Id: TEST_____

Single/Start Batch Number.....: 0000326
End Batch Number.....: _____ (Optional)
Batch Id.: _____

Request Allowed.....: _ (Y/N)

Delete.....: _ (Y/N)

Transmit Done.....: _ (Y/N)

Extracted.....: _ (Y/N)

Multiple Transmission.....: _ (Y/N)

PF1=Help PF3=Exit PF4=Intchg Sta
PF9=SUB
    
```

**Step 25** Tab to the Delete field and type a **Y** to flag the batch for deletion. Press **PF9=Sub** to submit the job.

```

EDIM413 6.8.1_____ STATUS MAINTENANCE XXX 02/01/2008
                                           12:00:00

Mailbox Id: TEST_____

Single/Start Batch Number.....: 0000326
End Batch Number.....: _____ (Optional)
Batch Id.: _____

Request Allowed.....: _ (Y/N)

Delete.....: Y (Y/N)

Transmit Done.....: _ (Y/N)

Extracted.....: _ (Y/N)

Multiple Transmission.....: _ (Y/N)

PF1=Help          PF3=Exit PF4=Intchg Sta
                  PF9=SUB
    
```

**Step 26** Press **PF4=Intchg Sta** to return to the Interchange Status screen.

```

Select Update Changeaudit Autoconnect Remoteconnect List BtchId
EDIM40E 6.2_____ INTERCHANGE STATUS XXX 02/01/2008
                                           12:00:00

Mailbox Id: TEST_____ Batch Number..: _____
Batch Status Flags...: _____ (!,A,B,C,D,E,F,I,M,N,R,S,T,U,X,Z,0)
Batch Id..: _____
From Date.: _____ Time.: _____ To Date.: _____ Time.: _____
                                           Number of
A I/O Batch# Batch Id Batch Status Flags Date Time Blocks
_ O 0000327 000000000000009 A R 09/17 14:59 000000015
_ O 0000326 000000000000008 AD R 09/17 14:35 000000003
_
_
_
_
_
_
_
_
END OF BATCHES
Enter PF1=Help PF2=Mode PF3=Exit PF4=Directory PF5=Next
      PF7=Bwd PF8=Fwd
    
```

Completed by: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

**This concludes the installation verification procedure.**



# Converting Files to Release 6.5

## Overview

This chapter explains the steps involved in converting from Gentran:Plus for zSeries Release 6.3 or Gentran:Plus for zSeries Release 6.4 to Gentran:Plus for zSeries Release 6.5. Customers who are using versions of Gentran:Plus that are earlier than 6.3 should contact the Gentran Software Product Support Center.

You must complete the installation verification procedure (Chapter 4 of this guide) before you perform the conversion steps in this chapter.

**Caution:** Be sure to back up all of your files and close the files before beginning the conversion steps.

All JCL members referenced in this chapter are located in **GENTRAN.V6X5.GPL.JCL**. (You may have modified this data set name in **Step 3** in Chapter 3).

If you are a new Gentran:Plus customer, the conversion procedure does not pertain to your system; skip this chapter.

This chapter contains the following topics related to converting your current version of Gentran:Plus to Release 6.5:

<b>Topic</b>	<b>Page</b>
Converting Gentran:Plus 6.3 Files to Gentran:Plus Release 6.5 .....	5-2
Converting Gentran:Plus 6.4 Files to Gentran:Plus Release 6.5 .....	5-3

## Converting Gentran:Plus 6.3 Files to Gentran:Plus Release 6.5

The following procedure converts Gentran:Plus 6.3 files to Release 6.4. If you are converting from Release 6.4 to Release 6.5, skip this step and proceed to the next topic.

**Step 1** Convert the Communications subsystem from Gentran:Plus 6.3 to Release 6.5.

*Typically performed by:* Application Programmer

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

- Modify and submit JCL member **CNVPL63**.
- Verify that the job completed with a return code of zero.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_



## Converting Gentran:Plus 6.4 Files to Gentran:Plus Release 6.5

The following procedure converts Gentran:Plus 6.4 files to Release 6.5. Do not complete this step if you are converting from Release 6.3 to Release 6.5 and completed the step in the previous topics.

**Step 1** Convert the Communications subsystem from Gentran:Plus 6.4 to Release 6.5.

*Typically performed by:* Application Programmer

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

- Modify and submit JCL member **CNVPL64**.
- Verify that the job completed with a return code of zero.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_



# Implementing Gentran:Plus

## Overview

This chapter explains the final steps to be completed to implement Gentran:Plus.

This chapter contains the following topics related to implementing Gentran:Plus Release 6.5:

<b>Topic</b>	<b>Page</b>
Deleting Installation Files.....	6-2
System Configuration.....	6-3
Concurrent Processing.....	6-6

## Deleting Installation Files

Following the successful installation of Gentran:Plus, the files that you uploaded to your mainframe and the files that you used to build the permanent Gentran:Plus files are no longer needed. This section deletes those files and frees disk space.

**Note:** Leaving the files on your mainframe will not hinder the performance of Gentran:Plus. If you do not want to delete them, you may skip this section and continue to the next topic.

**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.V6X5**).
- 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. To perform this process, you must refer to your Pre-installation Worksheet in Chapter 2. You will use information that you have specified on the Pre-installation Worksheet to update the Configuration Maintenance subsystem in Gentran:Plus.

### Step 2 Implement Gentran:Plus.

*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 02/01/2008
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
9. Message Center Job Summary

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

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

The Configuration Directory (EDIM230) displays.

```

Select
EDIM230 4.3 _____ CONFIGURATION DIRECTORY XXX 02/01/2008
12:00:00

A Record Type Description

_ G STERLING COMMERCE Processing Options
_ T Clear Key Processing Options
_ 0 On-Line Processing Options
_ 1 On-Line Report Processing Options
_ 2 Databank Processing Options
_ 3 GENTRAN:Plus Processing Options
_
_
_
_
_
_
_
_
_
_
_

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

- ☐ **Tab** to the A (Action Code) field for Record Type 3, Gentran:Plus Processing Options. Type **s** and press **PF5**.

The Configuration Maintenance (EDIM231) screen displays.

```

EDIM231 _____ CONFIGURATION MAINTENANCE XXX 02/01/2008
12:00:00

GENTRAN:Plus Options Record Type 3 Panel 1 of 1

CONNECT Product Installed.....: CE _____ CE=CONNECT:Enterprise
CONNECT Version Level.....: 01 _____
CONNECT Release Level.....: 02 _____
CONNECT Maintenance Level.....: 00 _____
Friendly Mailbox Name.....: MAILBOX2__
CONNECT System Image.....: CM _____
Communication Directory Order..: R _____ R=Remote ID L=List Name
User ID Security Flag.....: N _____ N=None G=GENTRAN ID U=User ID

Last Update Date: 02/01/08 Time: 12:00:00 User: XXX

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

- ☐ Using the values from your Pre-installation Worksheet (from Chapter 2), ensure that the necessary field values are correct. Make changes as needed and press **PF10** to update the record.

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



## Concurrent Processing

If you have configured your Gentran:Basic system for concurrent processing, you will need to make additional changes to your Gentran:Plus system.

**Note:** Review Chapter 8, “Concurrent Processing,” in the *Gentran:Basic for zSeries Release 6.5 Installation Guide* for additional information.

### Step 3 Update batch JCL.

*Typically performed by:* System Installer

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

EXCI "client" programs require External CICS Interface modules to execute properly. These modules are located in a PDS library supplied with CICS. Add a STEPLIB DD statement for the SDFHEXCI load library to the JCL that is used to execute each of the following applications that have been enabled to perform concurrent processing. Check with your system administrator for the exact name of this PDS in your environment.

- EBDIMBX Update EDI DB with Communication Batch Number from Connect
- EBDI059 INS Network Reconciliation — command set 2
- EBDI059A INS Network Reconciliation — command set 1

Because CICS now owns and updates the Databank files, we recommend that you review the disposition specified for each of the following DD statement to ensure that SHR is specified. A disposition of OLD prevents concurrent processing.

- EDIOEA DD statement in JCL that executes the Batch Number Update EBDIMBX
- EDIOEA and EDIIEA DD statements in JCL that execute the INS Network Reconciliation EBDI059
- EDIOEA and EDIIEA DD statements in JCL that execute the INS Network Reconciliation EBDI059A

You must also review the JCL streams that execute each of the following applications to ensure that they are able to run concurrently. This primarily focuses on checking data set names of non-shared sequential data sets to ensure that they are unique for each execution.

- EBDIMBX Update EDI DB with Communication Batch Number from Connect
- EBDI059 INS Network Reconciliation — command set 2
- EBDI059A INS Network Reconciliation — command set 1

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_



# Library Descriptions

## Job Control Library (JCL)

### New System Installation

DEF CFG	Updates the EDICFG file to enable the Gentran:Plus option (for Partner/Qualifier mode).
DEF CFGR	Updates the EDICFG file to enable the Gentran:Plus option (for Relationship mode).
DEF GPL	Creates and initializes the Communications Profile, Remote, Change Audit, Holiday files, and the Network Command Interface for use with the INS Network.
DEF JCL	Creates and loads files containing internal reader JCL to be used by the online environment.
DEF RDO	Defines the CICS resources for Gentran:Plus.
DEL FILES	Deletes installation files.
LOAD DATA	Loads tutorial and test data into the Connect data queue.
LOAD GPL	Loads the test partners and maps needed to perform the installation verification procedure for Partner/Qualifier trading profile mode.
LOAD GPLR	Loads the test partners and maps needed to perform the installation verification procedure for Relationship trading profile mode.
PCGPLPD1	Allocates upload file.
PCGPLPD2	Unloads Gentran:Plus from product upload file.
PCGPLFX1	Allocates Gentran:Plus file fix upload file on mainframe.
PCGPLFX2	Creates Gentran:Plus fix files.
PCGPLJC1	Allocates Gentran:Plus JCL upload file.
PCGPLJC2	Creates Gentran:Plus JCL file.

**Conversion Members for Current Release 6.3 and 6.4 Users**

CNVPL63	Copies the Gentran:Plus 6.3 files to the 6.5 version. The following files are copied: Holiday, Change Audit, INS Network Command Header, INS Network Command Detail, Profile, and Remote.
CNVPL64	Copies the Gentran:Plus 6.4 files to the 6.5 version. The following files are copied: Holiday, Change Audit, INS Network Command Header, INS Network Command Detail, Profile, and Remote.

**Online CICS Environment Definition**

ABOVE16	Change CICS resource definitions to run above the 16Mb line.
BELOW16	Change CICS resource definitions to run below the 16Mb line.
GPLCICS	Contains the CICS startup JCL DD statements for Gentran:Plus.
GPLNAME	Renames the CICS load modules with the program image.
GPLRDOF	Contains the CICS resource definitions for Gentran:Plus files.
GPLRDOPM	Contains the CICS resource definitions for Gentran:Plus programs and mapsets.

**Program Execution**

ERASE	Erases unwanted batches from Communications queues for Connect users.
EXEC020	Executes the Options Definition File Creation job.
EXEC021	Outbound acknowledgment process.
EXEC059	Updates the EDI databanks using the formatted INS Network reports.
EXEC066	Purges commands from the INS Network Command Interface file.
EXEC205	Outbound EDI Databank Extract for Connect users.
INGPL	Executes the inbound Gentran:Plus process for Connect users.
OUTGPL	Executes the outbound Gentran:Plus process for Connect users.
OUTINS	Executes the outbound Gentran:Plus process to communicate with the INS TRADANET Network, for Connect users.
OUTINSCM	Executes the outbound Gentran:Plus process to generate commands to be sent to the INS TRADANET Network, for Connect users.
REORGDB	Reorganizes a single Connect queue. This job also updates the communication batch number on the EDI Databank directories.

## Job Control Library (JCL)

---

SUPERIO                      Sample \*OPTIONS section to be used by the Options Definition File Creation job (EXEC020).

### Customer Service Support

\$INDEX                      An index of all JCL library members

CHANGES                    An index of all the JCL modifications made for Gentran:Plus Release 6.5

## Batch Load Library

### Reporting Programs

EBDIMBX	Updates communications batch number on EDI Databank directories for Connect users.
EBDI020	Creates Options Definitions file.
EBDI021	Creates \$\$ADD records for functional acknowledgments.
EBDI057	Data Reblocking program for INS TRADANET data.
EBDI058	Command Generation program for the INS TRADANET Network.
EBDI059	Network Reconciliation program for the INS TRADANET Network (Command Set 2).
EBDI059A	Network Reconciliation program for the INS TRADANET Network (Command Set 1).
EBDI066	Command Purge program for the INS TRADANET Network.
EBDI081	Updates communications batch number on the EDI Databank directories.

### Conversion Program

CNVCMAUD	Converts communication change audit file to 6.5
CNVPRF	Converts communication profile file to 6.5.

## Online Load Library

### Main Processing Programs

EDIPRGPL	Point Release
EDIX40A	Communications Session Maintenance Selection Menu.
EDIX40B	Communications Maintenance Utility Menu.
EDIX40C	Communications Maintenance History Log Menu.
EDIX40E	Interchange Status for Connect:Enterprise users.
EDIX40M	Interchange Status for Connect:Mailbox users.
EDIX40V	Communications Security.
EDIX400	Plus Main Menu.
EDIX402	Interchange Detail.
EDIX403	Interchange Line Detail.
EDIX404	Communication Directory.
EDIX405	Control File Change Audit.
EDIX406	Communication Profile.
EDIX406U	Communication Profile update.
EDIX407	BISYNC Communication Profile.
EDIX407U	BISYNC Communication Profile update.
EDIX408	SNA Communication Profile.
EDIX408U	SNA Communication Profile update.
EDIX409	SNA Communication Profile Remote Maintenance.
EDIX409U	SNA Communication Profile Remote Maintenance Update.
EDIX410	Transmission Schedule.
EDIX410U	Transmission Schedule Update.
EDIX411	Auto Connect History.
EDIX412	Remote Connect History.
EDIX413	Status Maintenance.
EDIX414	BISYNC Line Maintenance.

EDIX414U	BISYNC Line Update.
EDIX415	Holiday Processing Schedule.
EDIX416	Communications List Report.
EDIX417	Communications Log Report.
EDIX418	Auto Connect History User Log Message.
EDIX419	ID List Maintenance.
EDIX419U	ID List Maintenance update.
EDIX420	FTP Client Communication Profile.
EDIX420U	FTP Client Communication Profile update.
EDIX421	FTP Client Communication Ports.
EDIX421U	FTP Client Communication Ports update.
EDIX422	FTP Server Communication Profile.
EDIX422U	FTP Server Communication Profile Update.
EDIX423	FTP Server Communication Profile – Remote Maintenance.
EDIX423U	FTP Server Communication Profile – Remote Maintenance update.
EDIX424	FTP Server Communication Ports.
EDIX424U	FTP Server Communication Ports update.
EDIX425	FTP Server Communication Profile - Remote Maintenance Part 2.
EDIX425U	FTP Server Communication Profile - Remote Maintenance Part 2 update.
EDIX426	FTP Client Communication Profile Part 2.
EDIX426U	FTP Client Communication Profile Part 2 update.

### **INS TRADANET Network Command Interface Programs**

EDIX450	Network Command Interface Selection Menu.
EDIX451	Network Command Directory.
EDIX452	Network Command Definition.
EDIX453	Network Command Maintenance.

## Main Processing Maps

EDIZ40A	Communications Session Maintenance Selection Menu.
EDIZ40B	Communications Maintenance Utility Menu.
EDIZ40C	Communications Maintenance History Log Menu.
EDIZ40E	Interchange Status for Connect:Enterprise users.
EDIZ40M	Interchange Status for Connect:Mailbox users.
EDIZ40V	Communications Security.
EDIZ400	Plus Main Menu.
EDIZ402	Interchange Detail.
EDIZ403	Interchange Line Detail.
EDIZ404	Communication Directory.
EDIZ405	Control File Change Audit.
EDIZ406	Communication Profile.
EDIZ407	BISYNC Communication Profile.
EDIZ408	SNA Communication Profile.
EDIZ409	SNA Communication Profile Remote Maintenance.
EDIZ410	Transmission Schedule.
EDIZ411	Auto Connect History.
EDIZ412	Remote Connect History.
EDIZ413	Status Maintenance.
EDIZ414	BISYNC Line Maintenance.
EDIZ415	Holiday Processing Schedule.
EDIZ416	Communications List Report.
EDIZ417	Communications Log Report.
EDIZ418	Autoconnect History User Log Message.
EDIZ419	ID List Maintenance.
EDIZ420	FTP Client Communication Profile.
EDIZ421	FTP Client Communication Ports.

EDIZ422	FTP Server Communication Profile.
EDIZ423	FTP Server Communication Profile – Remote Maintenance.
EDIZ424	FTP Server Communication Ports.
EDIZ425	FTP Server Communication Profile - Remote Maintenance Part 2.
EDIZ426	FTP Client Communication Profile Part 2.



## **INS TRADANET Network Command Interface Screens Maps**

EDIZ450	Network Command Interface Selection Menu.
EDIZ451	Network Command Directory.
EDIZ452	Network Command Definition.
EDIZ453	Network Command Maintenance.



# System Image and Program Image Features

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## Overview

Situations may occur when you need to run multiple copies of the Gentran:Basic/Plus online application at the same time within a specific CICS region. For instance:

- You need separate environments because you have set up your organization with multiple divisions that use the same application yet processes different sets of files.
- You are installing a new version of Gentran:Basic/Plus and need to keep a production version of your application active to perform daily business transactions.

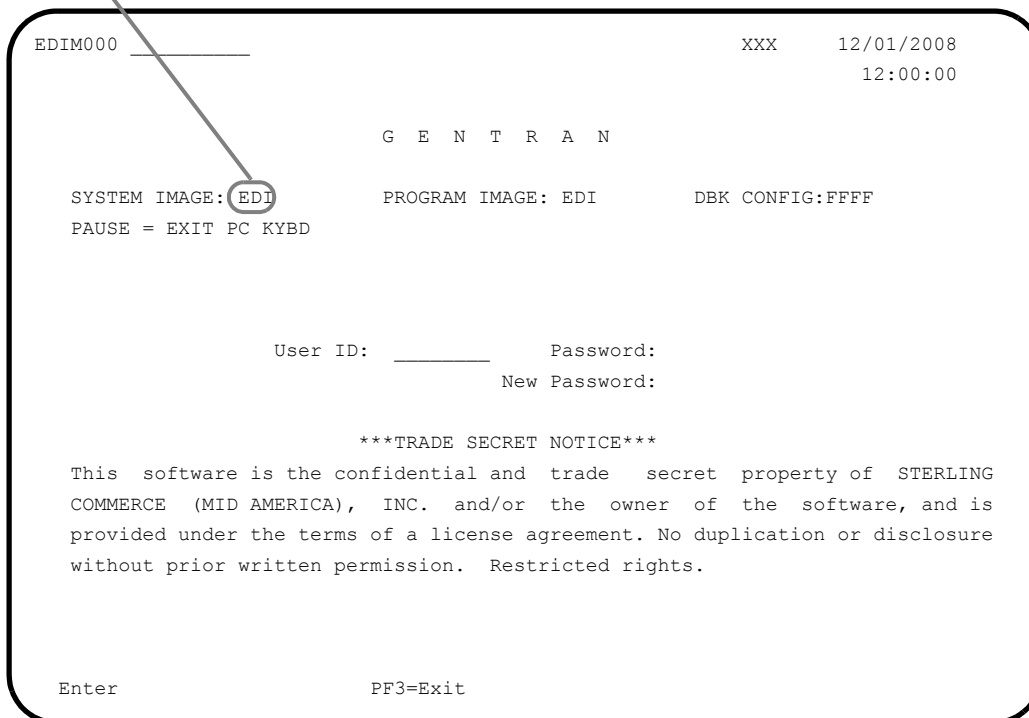
The system image and program image features provide you the ability to keep your current Gentran:Basic/Plus online application active when such situations occur. This appendix provides guidelines for using these features.

## System Image Feature

Each virtual copy (image) of the application executes the same programs, but has a unique set of transaction identifiers and its own set of files to process. Each image is differentiated by the first three characters of the Transaction ID used by a terminal operator for signing on to the application (such as, **EDI** or **MKT**).

Following is an illustration of a system image using **EDI** as the transaction identifier.

### System Image Characters



```

EDIM000 _____ XXX 12/01/2008
                                     12:00:00

                G E N T R A N

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

                User ID: _____ Password:
                                New Password:

                ***TRADE SECRET NOTICE***

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COMMERCE (MID AMERICA), INC. and/or the owner of the software, and is
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without prior written permission. Restricted rights.

Enter                PF3=Exit
  
```

### Program Image Feature

Program sets, known by the first three characters of the program names, comprise program images. Used in conjunction with system images, program images make it possible to run entirely different versions of an application at the same time within the same CICS.

### Scenario

While upgrading from Gentran:Basic Release 6.4 to Gentran:Basic Release 6.5, you need to test the newer version before moving it into production. Therefore, you decide to create two separate systems. To achieve this, you will need to set up two different system and program images.

#### **Solution**

To differentiate the systems and access the applicable programs for each, you could use **E64** to represent Release 6.4. You then could use **E65** to represent Release 6.5.

When invoking the Release 6.4 online environment, you will enter the transaction ID **E64** to display the Gentran Logon screen. For Release 6.5, you will enter the transaction ID **E65**.

When accessing files applicable to Release 6.4, Gentran will look for file names starting with **E64** to access. For files applicable to Release 6.5, Gentran will look for file names starting with **E65**.

When retrieving programs applicable to Release 6.4, Gentran will look for program names starting with **E64** to execute. For programs applicable to Release 6.5, Gentran will look for program names starting with **E65**.

---

## Implementation

In most cases, system image and program image are determined on the Pre-installation worksheet and implemented by the installer while performing the steps in Chapter 3 of this guide.

If you need to replicate or rename a system/program image of Gentran:Basic/Plus, please review the guidelines detailed in the following sections.

### Adding Gentran:Plus to a Replicated System Image

The tasks involved in setting up your system image are defined below.

*Typically performed by:* System Installer

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

- Make your Gentran:Plus system image identical to your Gentran:Basic system image.

Gentran:Basic was installed using a transaction ID associated with the main program EDIX000. This ID becomes the first three characters of the file names used in the resource definitions of CICS.

For example, if your system image is **EDI**, **SIM** becomes **EDI** and **SIMD** becomes **EDID**.

- Add resource definitions for the CICS files to be used with the system image.

**Note:** We have built sample definitions for you to use. See "Establishing the Online Environment" in Chapter 3 of this guide.

- Recycle the CICS region.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

### Adding Gentran:Plus to a Replicated Program Image

The Program Image feature, when used in conjunction with the System Image feature, enables different versions of the Gentran:Basic online software to co-exist within one CICS region.

The tasks involved in setting up your program image are defined below.

*Typically performed by:* System Installer

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

- Implement the System Image feature as described in the previous section.

**Note:** The system image and program image do not have to be identical. We recommend that they be the same, but it is not mandatory.

- Copy all CICS load modules into a temporary load library.

- Rename all of the load modules in the temporary load library.

- Change the first three characters of each module from PIM to the program image name.  
For example, **PIMX413** becomes **EDIX413**, where **EDI** is the program image name. Perform this procedure for all load modules in the library.
- See member GENTRAN.V6X5.GPL.JCL (GPLNAME) for a sample IEBCOPY JCL.

- Copy the renamed load modules into the Gentran:Basic/Plus load library that is accessed by CICS.

- Add the new program and mapset definitions to be used with the program image.

**Note:** We have built sample definitions for you to use. See "Establishing the Online Environment" in Chapter 3 of this guide.

- Recycle the CICS region.

**Completed by:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_





## Gentran:Plus Files

### Data Set Naming Conventions

The following table describes data set naming conventions.

Data Set	Format
Permanent VSAM files	GENTRAN.V6X5.GPL.VSAM.?????.????? <i>Where:</i> ????? = subsystem-specific
Initial loading sequential files	GENTRAN.V6X5.SEQ.?????.????? and GENTRAN.V6X5.GPL.SEQ.????? <i>Where:</i> ????? = subsystem-specific Most of these files can be deleted after installation and conversion are complete.
Program output sequential files	GENTRAN.V6X5.PGMxxx.????? <i>Where:</i> xxx = program number ????? = function-specific; describes the content
Batch executable load modules	GENTRAN.V6X5.GPL.BATCH.LOAD
CICS executable load modules	GENTRAN.V6X5.GPL.CICS.LOAD

## Production Data Set Names for Gentran:Plus Release 6.5

List utility file	GENTRAN.V6X5.GPL.VSAM.LIST
Profile file	GENTRAN.V6X5.GPL.VSAM.PROFILE
Report utility file	GENTRAN.V6X5.GPL.VSAM.REPORT
Statflg utility file	GENTRAN.V6X5.GPL.VSAM.STATFLG
Holiday file	GENTRAN.V6X5.GPL.VSAM.HOLIDAY
Remote file	GENTRAN.V6X5.GPL.VSAM.REMOTE
Change audit file	GENTRAN.V6X5.GPL.VSAM.CHANGE.AUDIT
Network command header file	GENTRAN.V6X5.GPL.VSAM.HEADER
Network command detail file	GENTRAN.V6X5.GPL.VSAM.DETAIL

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