IBM Sterling Gentran:Structure for z/OS

Installation Guide

Release 6.6

2222-650-INST01-0003

This edition applies to the 6.6 Version of IBM® Sterling Gentran:Structure® for z/OS® and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in Notices on page N-1.

Chapter

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Chapter 1 Getting Started

Overview

Welcome to IBM® Sterling Gentran:Structure® for z/OS®.

Sterling Gentran:Structure works with IBM® Sterling Gentran:Basic® or IBM® Sterling Gentran:Realtime® and other applications to make your fixed-format standards processing more user-friendly.

This installation guide assists you with installing Sterling Gentran:Structure and in converting from version 6.3, 6.4, or 6.5 of Sterling Gentran:Structure to Release 6.6.

> **Note:** Sterling Gentran:Structure Releases 6.3, 6.4, and 6.5 upgrade directly to Release 6.6. If you are using a release of Sterling Gentran:Structure that is earlier than 6.3, please contact the IBM Software Product Support Center for information on converting Sterling Gentran:Structure to Release 6.6.

Follow the directions in this guide sequentially by chapter. We have provided space for you to track each step that you complete during the installation.

This chapter contains the following topics.

Topic **Page**

Important Prerequisite

IBM® Sterling Gentran:Structure® for z/OS® requires that you also have IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 and/or IBM® Sterling Gentran:Realtime® for z/OS® with current maintenance. Prior to beginning the installation of IBM® Sterling Gentran:Structure® for z/OS®, you must ensure that you have either:

- Recently installed IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 and/or IBM® Sterling Gentran:Realtime® for z/OS®.

OR

- Recently applied cumulative fixes to IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 and/or IBM® Sterling Gentran:Realtime® for z/OS®.

Check with the IBM Software Product Support Center for assistance in determining if your product is current before beginning the installation of IBM® Sterling Gentran:Structure® for z/OS®. For additional information, see How To Get Help on page 1-5

Executive Overview

Sterling Gentran:Structure is a subsystem of Sterling Gentran:Basic/Realtime that permits organizations to process both their non-delimited (fixed-format) standards and variable (delimited) EDI standards, such as ASC X12, through a common EDI system.

A fixed-format standard is a standard in which elements within each segment are of a fixed length and are not separated by an element separator. Further, each segment that comprises the standard is defined by a fixed length and is not separated by a segment terminator.

Sterling Gentran:Structure programs enable users of Gentran:Basic/Realtime to define fixed-format standards and to map to and from these standards. This simplifies standards processing between organizations using fixed-format standards and variable-format EDI standards.

Some advantages of Sterling Gentran:Structure are:

- All of the Gentran:Basic/Realtime mapping features that are available for variable-format standards are implemented for fixed-format standards in Sterling Gentran:Structure.
- You can audit, track, and maintain processing control of the fixed-format standards data using the Application Databank facility.
- Common information such as standard definitions, trading partner profiles, application definitions, and transaction definitions (maps) can be shared between batch and real-time operations.

User Overview

The following list describes several Sterling Gentran:Structure advantages and enhancements.

- **Defining Proprietary Standards**
  Non-delimited (fixed-format) standards are defined using the Sterling Gentran:Basic/Realtime Standards Maintenance facility. These standards can be defined to contain either fixed-length segments or variable-length segments (records), and each segment can contain up to 32,760 characters of data. You can use any of the following variety of data types to define the elements (fields) in these segments:

  Packed decimal
  Zoned decimal
  EDI ‘N’ type
  EDI ‘R’ type
  Eight different date formats
  Alphanumeric

- **Mapping Features**
  Outbound mapping from an application to a fixed-format standard and inbound mapping from a fixed-format standard are provided via the Sterling Gentran:Basic/Realtime Mapping Integration facility. All of the mapping features that are available for variable-format standards also are available for fixed-format standards.

- **Enveloping Capabilities**
  Sterling Gentran:Structure supports user-defined or generic envelopes so that proprietary enveloping structures can be generated for outbound processing, and critical envelope information can be extracted and mapped to the application during inbound processing.
- **Data Control and Monitoring**
  Using the Application Databank facility, you can audit, track, and maintain processing control of the fixed-format standards data. The ability to databank fixed-format standards has also been enabled. Reporting is also supported.
- **Batch/Real-time Information Sharing**
  Standard definitions, trading partner profiles, application definitions, transaction definitions (maps), data and code translation tables, and user-envelope specifications can be shared between batch and real-time operations.

Using this Guide

This installation guide explains how to install IBM® Sterling Gentran:Structure® for z/OS®, then how to run a series of tests to verify that the installation was successful. After you verify the new installation, you can perform conversion procedures from the previous version of Sterling Gentran:Structure as needed.

Follow the directions in this guide sequentially by chapter. Space is provided for you to record when and by whom each step in the installation process was completed.

Note: If you are a new Sterling Gentran:Structure customer, skip Chapter 5, "Conversion Procedures."

How To Get Help

IBM® Sterling Customer Center provides a wealth of online resources that are available around the clock to enrich your business experience with IBM® Sterling Gentran®. By using Sterling Customer Center, you gain access to many self-support tools, including a Knowledge-Base, Documentation, Education, and Case Management. Access Sterling Customer Center at http://customer.sterlingcommerce.com.

Once logged in, select **Support Center** from the top navigation menu, and then locate Sterling Gentran product-specific support information from the left navigation menu.

Additionally, our Customer Support Reference Guide outlines our support hours, contact information, and key information that will enhance your support experience with us. For detailed information about Customer Support, please refer to the Customer Support Reference Guide accessible from the login page. (http://customer.sterlingcommerce.com)

Related Documentation

The following guides contain additional information related to using Gentran:Basic/Realtime and IBM® Sterling Gentran:Structure® for z/OS®.

- *IBM® Sterling Gentran® for z/OS® Release 6.6 Release Notes and Impact Guide*
  Contains information about the changes and enhancements made in this release of the Sterling Gentran z/OS 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 conversion, JCL changes, and CICS table entry changes.
- *IBM® Sterling Gentran:Structure® for z/OS® User Guide*
  Contains reference information such as field descriptions and function keys, about the online screens.
- *IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 Installation Guide*
  Contains installation and conversion information.
- *IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 User Guide*
  Contains reference information, such as field descriptions and function keys, about the online screens.
- *IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 Technical Reference Guide*
  Contains detailed reference information on batch programs and file descriptions.
- *IBM® Sterling Gentran:Basic® for z/OS® Release 6.6 System Message Guide*
  Contains the specific Sterling Gentran:Basic and Sterling Gentran:Structure system messages.
- *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Installation Guide*
  Contains installation and conversion information.
- *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 User Guide*
  Contains reference information, such as field descriptions and function keys, about the online screens.
- *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Technical Reference Guide*
  Contains detailed reference information on batch programs and file descriptions.

Chapter

2

Completing the Pre-installation Worksheet

Overview

This chapter contains a worksheet of information you must complete before you begin the installation procedures. You must obtain answers for all questions on the worksheet before you begin installing Sterling Gentran:Structure.

The worksheet should be completed by someone who is familiar with the EDI requirements of your organization and has a working knowledge of CICS tables, JCL, and VSAM, as well as your organization's data processing naming and standards conventions.

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

The Gentran 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 install Sterling Gentran:Structure.

Note: You can refer to the Pre-installation Worksheet that was used for the installation of Sterling Gentran:Basic or Sterling Gentran:Realtime Release 6.6 for help determining the correct selections required below.

Pre-installation Worksheet

System Image

Default: SIM
Your Value: _____

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

Note: The System Image value should match the value established during the installation of Sterling Gentran:Basic/Realtime.

For a complete description of system image, see Appendix B.

Program Image

Default: PIM
Your Value: _____

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

Note: The Program Image value should match the value established during the installation of Sterling Gentran:Basic/Realtime.

For a complete description of system image, see Appendix B.

High-Level Qualifiers for Data Set Names

Default: GENTRAN.V6X6
Your Value: _____

The installation process creates many data sets that are used to generate the Sterling Gentran:Structure system. All data sets begin with the qualifier "GENTRAN.V6X6." Change the qualifier to conform to your requirements.

The general naming conventions used in the JCL for loading Sterling Gentran:Structure are the following:

GENTRAN.V6X6.STR	Identifies Sterling Gentran:Structure data sets that are either permanent or used to load the system.
GENTRAN.V6X6.	Identifies Sterling Gentran:Basic Release 6.6 data sets.

For a complete descriptions of Sterling Gentran:Basic files, see Appendix D of the *IBM® Sterling Gentran:Basic® for for z/OS® Release 6.6 Installation Guide* or Appendix D of the *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Installation Guide*.

Pre-installation Worksheet

External Security Systems

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

Note: Sterling Gentran:Basic/Realtime resources have been identified to your security system. Your CICS administrator can determine whether special security setup considerations in your RACF and ACF2 parameters are required to access the Sterling Gentran:Basic/Realtime and Sterling Gentran:Structure files.

Completed by: _____

Date: _____ **Time:** _____

Chapter

3

Installing Sterling Gentran:Structure

Overview

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

Note: Before installing Sterling Gentran:Structure, you must install Sterling Gentran:Basic Release 6.6 and/or Sterling Gentran:Realtime Release 6.6.

Note: The person performing this installation should have a working knowledge of JCL, VSAM, and the CICS environment in which the software is to be installed.

This chapter contains the following topics:

Topic **Page**

The Installation Process

Installing Sterling Gentran:Structure involves completing a series of dependent jobs that build individual subsystems. In the initial steps, you will unload files from either the Internet or CD-ROM and then use those files 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 Sterling Gentran:Structure system files.

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

If you are installing from the Internet, the installation package includes one file. The product file contains all the files necessary to install the programs and base files for Sterling Gentran:Structure.

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

IBM® Sterling Gentran:Structure® for z/OS® Release 6.6.00 Product

Performing Initial Procedures

Perform the following steps in the order presented, to complete the initial procedures required for installing Sterling Gentran:Structure.

Step 1 Confirm hardware and software requirements.

Typically performed by: System Installer

System Requirements

To install Sterling Gentran:Structure from the CD, you need the following:

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

Hardware Requirements

Sterling Gentran:Structure operates on any IBM mainframe running the z/OS operating system. Sterling Gentran:Structure also requires disk storage for libraries and test files (in addition to the disk storage required for Sterling Gentran:Basic).

Host System Disk Space Requirements

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

Component	Tracks Required
Batch Load Library	25
Online Load Library	30
System JCL Library	20
System Test Data	2
VSAM Files	80

VSAM space requirements listed above are enough for your initial use of the Sterling Gentran:Structure system. As you increase the number of partners, applications and maps you use, you may need additional space.

The installation process also requires approximately 60 tracks of temporary storage space for sequential seed and work files. Delete these temporary files after the Sterling Gentran:Structure installation is complete.

Software Requirements

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

- z/OS operating system
- CICS Transaction Server for z/OS
- Language Environment Run-time support
- IBM Sterling Gentran:Basic for z/OS Release 6.6 and/or IBM® Sterling Gentran:Realtime® for z/OS®.

Additional CICS Software Environment

- CICS command-level support for COBOL and Assembler languages
- CICS language environment run-time modules.
- VSAM support
- 3270-type terminal support

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

Completed by: _____

Date: _____ **Time:** _____

Upload Product Distribution Files

Because the Sterling Gentran:Structure product is distributed either on a CD-ROM or by downloading from the Internet, 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 the Internet, decompress the file that you downloaded to extract the file named **`Structure_`**6.6**`.00_Product.exe`**. This is a self-extracting .zip file that contains the entire Sterling Gentran:Structure product.
- ❑ If you are installing from CD-ROM, insert the Sterling Gentran:Structure product CD-ROM into your computer's CD-ROM drive and navigate to locate the file named **`Structure_`**6.6**`.00_Product.exe`**. This is a self-extracting archive that contains the entire Sterling Gentran:Realtime 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 in this system message.
- ❑ At the completion of the process, note the files' location. The folder should contain the following files:

File	Description
PCSTRPRD	Sterling Gentran:Structure product
PCSTRPD1.TXT	JCL to allocate the target product file
PCSTRPD2.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 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
PCSTRPD1.TXT	JCL to allocate the target product file
PCSTRPD2.TXT	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 Sterling Gentran:Structure product file to your mainframe, the target file must be allocated on it.

Typically performed by: System Installer

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

- ❑ Customize JCL member **PCSTRPD1** 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.V6X6`**).
- ❑ 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 Sterling Gentran:Structure product file from your PC to your 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 BINARY data transfer mode. The target file on the mainframe must be the file that you allocated in **Step 4** (`GENTRAN.V6X6.STR.UPLOAD.PCPRD`).

The file to be uploaded is:

File	Description
PCSTRPRD	Sterling Gentran:Structure product

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

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

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

Typically performed by: System Installer

This step reads the Sterling Gentran:Structure 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.V6X6.`** followed by the text in the table below. For example, the full name of STR.BATCH.LOAD is GENTRAN.V6X6.STR.BATCH.LOAD.

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

Data Set Name	Description
STR.BATCH.LOAD	Partitioned data set that contains all of the batch program load modules This is a permanent data set; do not delete this data set at the end of installation.
STR.CICS.LOAD	Partitioned data set that contains all of the CICS program load modules This is a permanent data set; do not delete this data set at the end of installation.
STR.JCL	Partitioned data set containing all of the Sterling Gentran:Structure execution JCL, sample JCL, and Network Toolkit This is a permanent dataset; do not delete this dataset at the end of installation.
STR.SEQ.PARTNER	Sequential data set containing partner records for Partner/Qualifier mode The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.CONTROL.OUTBOUND	Sequential data set containing outbound control records for Partner/Qualifier mode The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.CONTROL.INBOUND	Sequential data set containing inbound control records for Partner/Qualifier mode The information in this file will be added to the current file; it contains information required for the installation verification procedure.

Data Set Name	Description
STR.SEQ.APPL.HEADER	Sequential data set containing mapping application header records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.APPL.RECORD	Sequential data set containing mapping application records The information in this file will be added to the current file; it contains information required for the installation verification procedure
STR.SEQ.APPL.FIELD	Sequential data set containing mapping application field records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.APPL.LINK	Sequential data set containing mapping application link records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.TRANS.HEADER	Sequential data set containing mapping transaction header records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.TRANS.SEGMENT	Sequential data set containing mapping transaction segment records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR. SEQ.TRANS.ELEMENT	Sequential data set containing mapping transaction element records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.VERSION	Sequential data set containing fixed-format standards version records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.TRANS	Sequential data set containing fixed-format standards transaction records The information in this file will be added to the current file; it contains information required for the installation verification procedure.

Data Set Name	Description
STR.SEQ.STD.SEGMENT	Sequential data set containing fixed-format standards segment records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.ELEMENT	Sequential data set containing fixed-format standards element records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.DICT	Sequential data set containing fixed-format standards dictionary records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.CODE1	Sequential data set containing fixed-format standards code records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.ELEDESC	Sequential data set containing fixed-format standards element description records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.SEGDESC	Sequential data set containing fixed-format standards segment description records The information in this file will be added to the current file; it contains information required for the installation verification procedure.
STR.SEQ.STD.EDIUENV	Sequential data set used to seed the Sterling Gentran:Structure User Envelope Specification file These records are also required for the installation verification procedure.
STR.MAPIN.TESTDATA	Sequential data set containing the inbound test data used to validate the installation This data set is permanent and should not be deleted after the installation is complete.
STR.MAPOUT.TESTDATA	Sequential data set containing the outbound test data used to validate the installation This data set is permanent and should not be deleted after the installation is complete.
STR.SEQ.EDI.EDICFG	Sequential data set used to load the required records into the Sterling Gentran:Basic System Configuration file This data set is permanent and should not be deleted after the installation is complete.

Data Set Name	Description
STR.SEQ.REL.PARTNER	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.
STR.SEQ.REL.CNTL.OUTBOUND	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.
STR.SEQ.REL.CNTL.INBOUND	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.
STR.SEQ.REL.PARTREL	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 **PCSTRPD2** 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.V6X6`**).
- ❑ 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 defining the Sterling Gentran:Structure system files (page 3-15), you must obtain the latest product updates. It is important that all product updates be installed before continuing with the installation process. Failing to do so may cause a failure of the installation process or corruption of the Sterling Gentran:Structure system that you build. Call the IBM Customer Support Center if you have questions about product updates.

Note: Product updates are available from the IBM Customer Support Web site. For additional information, see "How To Get Help" on page 1-5.

Step 7 Check for the latest product updates.

Typically performed by: System Installer

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

- ❑ Check for the latest updates for the Sterling Gentran:Structure 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 Sterling Gentran:Structure 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 the Sterling Gentran:Structure Subsystem

Overview

The JCL required to install Sterling Gentran:Structure is contained in the partitioned data set GENTRAN.V6X6.STR.JCL.

You must make the following changes to the JCL before you execute it:

- Add an appropriate job card.
- Change DISK of UNIT=DISK as required by your installation.
- Change the text string XXXXXX to the DASD volume that will 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 6.6 in the name.

Note: Modify only the first two index levels of the data set names (GENTRAN.V6X6) to simplify the installation process.

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

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 will be created during a job.

You will define Sterling Gentran:Structure system files by executing the batch jobs, which define Sterling Gentran:Structure files and updates the Sterling Gentran:Basic/Realtime system files needed to support fixed-format standards. These batch jobs include:

Batch Job	Description
DEFSTRUC	Defines User Envelope Specification file when processing in Partner/Qualifier mode. Adds records to existing Sterling Gentran:Basic/Realtime files: Configuration, Partner, Application, Transaction, and Standards.
DEFSTRRL	Defines User Envelope Specification file when processing in Relationship mode. Adds records to existing Sterling Gentran:Basic/Realtime files: Configuration, Partner, Application, Transaction, and Standards.
DEFSTRTE	Creates test data sets to be used during verification of the Sterling Gentran:Structure for Realtime installation procedures.

Modifying Sterling Gentran:Basic/Realtime System Files

This step will define the User Envelope Specification file and add records to the following existing Sterling Gentran:Basic/Realtime system files:

- Configuration
- Partner
- Application
- Transaction
- Standards

These records will be used in the verification and tutorial processes.

Step 8 Customize JCL member **DEFSTRUC** (for Partner/Qualifier mode) or **DEFSTRRL** (for Relationship mode).

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`** to the DASD volume that will contain the permanent data sets that are defined.
- ❑ Change data set names as required by your Pre-installation Worksheet in Chapter 2.
  - Change only the first two index levels of each data set name (**`GENTRAN.V6X6`**). This simplifies the installation process, enabling you to mass-edit data set names.
  - Permanent Sterling Gentran:Basic/Realtime and Sterling Gentran:Structure files are identified with **`VSAM`** as the third node of the data set name.
  - Temporary Sterling Gentran:Basic and Sterling Gentran:Structure files are identified with **`SEQ`** as the third node of the data set name. Delete these files after installation is complete.
- ❑ Read the comments within the JCL member and follow any additional instructions.
- ❑ If your Sterling Gentran:Basic CICS region is active, you must ensure that the following files are closed and disabled before submitting this job:
  - Replace the first three characters of each file name with your system image characters:
    - SIMCFG, SIMAPFL, SIMAPF1, SIMAPHD, SIMAPRC, SIMAPR1, SIMAPTR, SIMSVER, SIMSTRN, SIMSELD, SIMSSGD, SIMSSEG,

SIMSELE, SIMSDIC, SIMSCD1, SIMPART, SIMPINB, SIMPOTB, SIMTREL, SIMTRE1, SIMTRHD, SIMTRSG, SIMTRS1

- SIMPREL and SIMPREL1 if using member **DEFSTRRL**

❑ Submit the JCL member.

❑ Verify the job results. You should never receive a return code greater than `8`. A return code of 8 usually indicates that Gentran tried to delete a file that does not exist. The file will be created during the job.

❑ If you closed and disabled files before submitting the job, open and enable them.

Completed by: _____

Date: _____ **Time:** _____

Additional Sterling Gentran:Realtime Procedures

Step 9 Customize JCL member **DEFSTRTE**.

(Optional)

Note: If your organization does not use Sterling Gentran:Realtime, skip this step. Proceed to the next section, "Establishing the Online Environment."

Typically performed by: System Installer

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

- ❑ Add a job card.
- ❑ Change text string **XXXXXX** of **VOLUMES( )** as required by your installation.
- ❑ Change data set names as required by your Pre-installation Worksheet in Chapter 2.
  - Change only the first two index levels of each data set name (**GENTRAN.V6X6**). This simplifies the installation process, enabling you to mass-edit data set names.
  - Permanent Sterling Gentran:Realtime files are identified with **VSAM** as the third node of the data set name.
  - Temporary Sterling Gentran:Structure files are identified with **SEQ** as the third node of the data set name. Delete these files after installation is complete.
- ❑ Read the comments within the JCL member and follow any additional instructions that are noted.
- ❑ Submit the JCL member.
- ❑ Verify job results. You should never receive a return code greater than **8**. A return code of 8 usually indicates that Gentran tried to delete a file that does not exist. The file will be created during the job.

Completed by: _____

Date: _____ **Time:** _____

Establishing the Online Environment

The Sterling Gentran:Structure CICS online environment enables you to define, map and track EDI documents for fixed-format standards. This section describes the steps that you must perform to enable the Sterling Gentran:Structure online features.

CICS Installation for Sterling Gentran:Structure Online Application Software

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

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

- The CICS system definition file DFHCSD
- The CICS Batch Utility DFHCSDUP
- The CICS Resource Definition Online Transaction (CEDA)
- The CICS Master Terminal transaction (CEMT)

CICS Resource Definitions for Sterling Gentran:Structure Files

Step 10 Customize JCL member **STRRDOF**.

Typically performed by: System Installer

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

- ❑ Review each definition for your site requirements.
- ❑ Globally change the value **SIM** to the three-character system image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Each definition contains the **DSNAME** parameter to specify the names of the data sets to be allocated for the files. You may remove these parameters and instead specify the files using DD statements in the CICS startup JCL. If you wish to do this, **Step 14** 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.**V6X6 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 **GENSTR**, 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 Sterling Gentran:Structure files are assigned to an LSR pool. Files that cannot be installed in a pool use the parameter **LSRPOOLID(NONE)** in the definitions.
- ❑ If Sterling Gentran:Realtime is installed, uncomment the **SIMAPPLF** and **SIMDATF** 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 Sterling Gentran:Structure Programs and Mapsets

Step 11 Customize member **STRRDOPM**.

Typically performed by: System Installer

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

- ❑ Review each definition for your site requirements.
- ❑ All Sterling Gentran:Structure CICS applications are identified in this member. Programs and mapsets are included.
- ❑ Globally change the value **PIM** to the three-character program image specified on your 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 of **GENSTR**, globally change the value in the **GROUP** parameter in each definition to the value you are using.
- ❑ If Sterling Gentran:Realtime is installed, un-comment the following definitions:

  - PIMRCMPD
  - PIMR056B
  - PIMR083
  - PIMR094
  - PIMRNCPI
  - PIMNCPO
  - PIMD562
  - PIMD652
  - PIMR840
  - PIMR841
  - PIMR84G
  - PIMS840
  - PIMS841
  - PIMS84G

- ❑ Read the comments within the JCL member and follow additional instructions.

Completed by: _____

Date: _____ **Time:** _____

Defining Sterling Gentran:Structure in the CICS System Definition File

Step 12 Customize JCL member **DEFRDO**.

This step adds the customized tables from 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.DFHCSD`** as required by your installation.
- ❑ Change the data set names as required by your installation. Change only the first two index levels (**`GENTRAN.`**V6X6).
- ❑ If you changed the CICS Group Name on the Pre-installation Worksheet in Chapter 2 from the default value **`GENSTR`**, substitute your group name in the **DELETE** step in the JCL.
- ❑ If you are defining the Sterling Gentran:Structure CICS resources in an existing group, you must comment out or remove the **DELETE** step in the JCL. Otherwise, your existing group will be deleted.
- ❑ If you are installing into an MRO environment, you may need to run this job multiple times depending on whether or not you are sharing the CSD file among the regions and whether or not you are using different group names in each region. If you do need to run the DEFRDO job multiple times, modify the CSD file name, group name, and/or JCL member names to meet your needs.
- ❑ Read the comments within the JCL member and follow additional instructions.
- ❑ Submit the JCL member.
- ❑ Verify the job results. You should never receive a return code greater than 0.

Completed by: _____

Date: _____ **Time:** _____

Renaming Sterling Gentran:Structure Programs and Mapsets

Step 13 Customize JCL member **STRNAME**. This job will copy and rename all Sterling Gentran:Structure 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.`**V6X6).
- ❑ Globally change the value **`PIM`** to the three-character program image specified on the Pre-installation Worksheet in Chapter 2.
- ❑ If Sterling Gentran:Realtime is installed, un-comment (remove //* in columns 1-3) for the following Realtime programs and maps.

Program Name	
• EDIRCMPD	• EDID652
• EDIR056B	• EDIR840
• EDIR083	• EDIR841
• EDIR094	• EDIR84G
• EDIRNCPI	• EDIS840
• EDIRNCPO	• EDIS841
• EDID562	• EDIS84G

- ❑ Read the comments within the JCL and follow any additional instructions.
- ❑ Submit the job.
- ❑ Verify the job results. You should never receive a return code greater than **`0`**.

Completed by: _____

Date: _____ **Time:** _____

Updating CICS Startup JCL

Perform the following tasks for the appropriate JCL member for your CICS configuration, as determined in the previous section, "Determining Installation Requirements."

Step 14 Allocate Sterling Gentran:Structure 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 13** to the DFHRPL list in your CICS JCL. The recommended sequence to specify the load libraries for the Gentran products is.
  - IBM® Sterling Gentran:Viewpoint®
  - IBM® Sterling Gentran:Basic®
  - IBM® Sterling Gentran:Realtime®
  - IBM® Sterling Gentran:Structure®
  - IBM® Sterling Gentran:Plus®
  - IBM® Sterling Gentran:Control®
- ❑ If you elected to remove the **`DSNAME`** parameters from the file definitions in **Step 10**, you must add DD statements to define the files to CICS. JCL member **`STRCICS`** contains DD statements that you may use.

  Globally change the data set name high-level qualifier **`GENTRAN.V6X6`** to the value specified on the Pre-installation Worksheet in Chapter 2.
- ❑ Start or restart the CICS region.

Completed by: _____

Date: _____ **Time:** _____

Installing the Sterling Gentran:Structure CICS Group

Step 15 Use the CEDA transaction to make the Sterling Gentran:Structure 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 **GENBSTR**, substitute your group name for the value **GENSTR** in the command. Press **Enter** to invoke the command.

```
CEDA INSTALL GROUP(GENSTR)
```

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

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

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

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

Completed by: _____

Date: _____ **Time:** _____

Verifying the Sterling Gentran:Structure CICS Installation

Step 16 The following commands can be used to confirm successful installation. Use them to compare each table to the input tables in JCL members STRRDOF and STRRDOPM, as appropriate.

Typically performed by: System Installer

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

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

```
CEDA DISPLAY GROUP(GENSTR)
```

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

CEMT SET FILE(SIMAP*) OPE ENA – Mapping Application
CEMT SET FILE(SIMTR*) OPE ENA – Mapping Transaction
CEMT SET FILE(SIMCD*) OPE ENA – Mapping Codes
CEMT SET FILE(SIMI*) OPE ENA – Databank Inbound EDI and Application
CEMT SET FILE(SIMO*) OPE ENA – Databank Inbound EDI and Application
CEMT SET FILE(SIMP*) OPE ENA – Partner
CEMT SET FILE(SIMS*) OPE ENA – Standards
CEMT SET FILE(SIMU*) OPE ENA – User envelope file

If Sterling Gentran:Realtime is installed, enable the Sterling Gentran:Realtime files using the following commands:

```
CEMT SET FILE (SIMAPPLF) OPE ENA
CEMT SET FILE (SIMDATF) OPE ENA
```

Note: This is an important step in verification. If a file allocation problem occurs, check your CICS system log and file definitions. You must resolve any conflicts.

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

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

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

- ❑ Review each entry display on the screen. Your system defaults are now available.

Completed by: _____

Date: _____ **Time:** _____

You have completed the initial installation of Sterling Gentran:Structure and are ready to begin the installation verification procedures in Chapter 4.

Chapter

4

Performing Installation Verification

Overview

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

This chapter contains the following topics:

Introduction

Data on sample screens and batch reports in this guide will not match exactly the data that you see in your reports and on your screens for various reasons: your run date and time will be different, and the install data may have changed since this release of this installation guide.

This chapter is designed to help you to:

- Verify correct flow from one screen to another.
- Verify that the correct fields and PF keys are set up on each screen.
- Verify that no superfluous text displays on the screen.
- Familiarize yourself with system components, such as how to update the system and how to navigate more easily through the system.
- Verify correct layout of each report, and make sure that no error messages exist.

Verification for Sterling Gentran:Basic Users

Note: If your organization does not use Sterling Gentran:Basic, skip this section and proceed to "Verification for Sterling Gentran:Realtime Users" on page 4-20.

Inbound Process

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

Step 1 Execute the inbound process.

Submitting the batch job STRINB in this step executes a complete flow of the following inbound programs:

- Inbound Fixed/Variable Split (EBDI094)
- Inbound Pre-Processor (EBDI083)
- Inbound Mapper (EBDI041)

The programs listed above use the test data, partner profiles and maps provided on the installation CD.

Typically performed by: System Installer

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

- ❑ Modify JCL member **STRINB** to meet your installation requirements and submit.
- ❑ If you are processing in Relationship (User/Partner) mode, uncomment the **EDIPREL DD** and comment out the **SYS095 DD** statements. Otherwise, skip this task.
- ❑ If you are using Concurrency processing, you need to make the following changes:
  - In **Step 4**, add a **STEPLIB DD** statement for the SDFHEXC1 load library.
  - In **Step 6**, add a **STEPLIB DD** statement for the SDFHEXC1 load library. Remove the **EDIIAA**, **EDIIAS**, and **EDIIEL DD** statements.
- ❑ Verify that return codes are zeroes.

Note: Gentran 687 mapping errors occur when running the installation verification. The segments for the trailers have not yet been defined. These segments will be defined in the Structure tutorial (see the *IBM® Sterling Gentran:Basic® for for z/OS® Release 6.6 User Guide* for more information). A condition code of 4 occurs in inbound mapping. This code is normal. The mapping results are unaffected.

- ❑ Compare your reports with the following sample reports (Figure 4.1 through Figure 4.6).

```
EBDI094  RUN 06/01/2011   TIME 12:00    SUMMARY REPORT - FIXED/VARIABLE SPLIT PROGRAM     PAGE     1

PROCESSING BEGAN ON                      06/01/2011 AT  12:00 PM.
INPUT RECORDS READ----------------------                  17
COMPORD RECORDS WRITTEN-----------------                   0
EDI VARIABLE RECORDS WRITTEN------------                   0
GENCOD RECORDS WRITTEN------------------                   0
GM DATA RECORDS WRITTEN-----------------                   0
OTHER FIXED DATA RECORDS WRITTEN--------                  17
PROCESSING ENDED NORMALLY ON             06/01/2011 AT  12:00 PM.
PROGRAM RETURN CODE---------------------                   0
```

Figure 4.1 Sample SYS006 DD Output from EBDI094 (Inbound Fixed/Variable Split) (Step 2)

```
EBDI083     RUN  06/01/2011      TIME 12:00      GENTRAN:STRUCTURE DATA PRE-PROCESSOR ERRORS           PAGE     1
 ERROR  **RECORD**
 NUMBR    NBR ID                INFORMATION               ERROR MESSAGE
 SegID: PHD Rec:   LAWNVEND       LAWNCUST       9307291432JASSGARDEN000000055                  PHD
 SegID: THD Rec:   092619930729143200000155                                                     THD
 SegID: IHD Rec:   IN-220PO-1552293201449320130                                                 IHD
 SegID: IRN Rec:   LAWN CARE VENDOR INC.    1212 E. MAIN STREET CINCINNATI          OH430150000 IRN
 SegID: IDT Rec:   0001ITEM-100OR000005UOM10000129999000000006499995GRADE 100 LAWN SEED        IDT
 SegID: IDT Rec:   0002ITEM-110OR000004UOM10000109999000000004399996GRADE 200 LAWN SEED        IDT
 SegID: IDT Rec:   0003ITEM-120OR000009UOM10000119999000000001079991GRADE 300 LAWN SEED        IDT
 SegID: IDT Rec:   0004ITEM-230OR000012UOM10000139999000000016799988GROW-A-LOT FERTILIZER      IDT
 SegID: IDT Rec:   0005ITEM-240OR000010UOM10000134999000000013499990GROW-A-LOT-MORE FERTILIZER IDT
 SegID: IDT Rec:   0006ITEM-300OR000007UOM10000229999000000016099993#10 SHOVELS                IDT
 SegID: IDT Rec:   0007ITEM-350OR000010UOM10000249999000000024999990#15 RAKES                  IDT
 SegID: IDT Rec:   0008ITEM-380OR000001UOM10000269999000000002699999#12 HOE                     IDT
 SegID: IDT Rec:   0009ITEM-412OR000010UOM10000349999000000034999905O FOOT GARDEN HOSE         IDT
 SegID: IDT Rec:   0010ITEM-410OR000006UOM10000899999000000053999942S FOOT GARDEN HOSE         IDT
 SegID: ISM Rec:   00100000000018479926                                                         ISM
 SegID: TTR Rec:   00000015000000155                                                            TTR
 SegID: PTR Rec:   000000170000001000000055                                                     PTR
 NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY - PROCESSING COUNTS BELOW
                            INPUT RECORDS READ--------------      17
                            INPUT RECORDS SUSPENDED---------       0
                            OUTPUT RECORDS WRITTEN----------      22
                            PROGRAM RETURN CODE-------------       0
```

Figure 4.2 Sample SYS005 DD Output from EBDI083 (Step 4)

```
EBDI083     RUN 06/01/2011      TIME 12:00    PROCESSING OPTIONS - GENTRAN:STRUCTURE PRE-PROCESSOR     PAGE     1
INPUT FILE ORGANIZATION IS--------------FIXED
INPUT FILE RECORD LENGTH IS-------------00080
TRADING PROFILE MODE IS-----------------PARTNER QUALIFIER
DATABANKING LEVEL IS--------------------DATABANK FULL
DETAIL REPORT SWITCH--------------------ON
ENVELOPE LEVEL IS-----------------------INTERCHANGE
DATA SEPARATION IS----------------------NOT DEFINED
APPLICATION USER REFERENCE PARM---------IRN       00078030000124
CONCURRENCY ENABLED---------------------N
EBDI083     RUN  06/01/2011      TIME 12:00   SUMMARY REPORT - GENTRAN:STRUCTURE PRE-PROCESSOR       PAGE     1
PROCESSING BEGAN ON  06/01/2011 AT  12:00 PM.
INPUT RECORDS READ----------------------                  17
INTERCHANGE ENVELOPES READ--------------                   1
GROUP ENVELOPES READ--------------------                   0
TRANSACTION ENVELOPES READ--------------                   1
MAP RECORDS WRITTEN---------------------                   5
OUTPUT RECORDS WRITTEN------------------                  22
DATABANK RUN NUMBER---------------------           000000006
DIRECTORY RECORDS WRITTEN---------------                   1
MESSAGE STORE RECORDS WRITTEN-----------                  17
RECORDS SUSPENDED-----------------------                   0
PROCESSING ENDED ON  06/01/2011 AT 12:00 PM.
```

Figure 4.3 Sample SYS006 DD Output from EBDI083 (Step 4)

Note: For *relationship processing mode*, this report shows a Trading Profile Mode value of **`Relationship`**.

Note: If you are using *Concurrency Processing*, you will see four lines describing concurrent processing information:

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

```
EBDI041  RUN  06/01/2011  TIME  12:00  ERRORS ENCOUNTERED MAPPING INCOMING DATA       PAGE     1
ERROR     **RECORD**        FIELD  SEG  ELE
NUMBR       NBR ID          SEQ #  ID   SEQ  INFORMATION   ERROR MESSAGE
INTERCHANGE: LAWNVEND                          QUAL:      CONTROL NO: 000000055
GROUP      : LAWNVEND                          QUAL:      CONTROL NO:
TRANSACTION: 0926                                         CONTROL NO: 000000155
  687        20                          TTR       SEGMENT RECEIVED NOT DEFINED TO TRANSACTION MAPPING.

  687        21                          PTR       SEGMENT RECEIVED NOT DEFINED TO TRANSACTION MAPPING.

PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
                            EDI RECORDS READ ---------------      22
                            EDI RECORDS SUSPENDED ---------        0
                            APPLICATION RECORDS WRITTEN ----      14
                            RETURN-CODE FOR MAPPING -------        4
```

Figure 4.4 Sample SYS005 DD Output from EBDI041 (Partner/Qualifier Mode) (Step 6)

```
EBDI041     RUN  06/01/2011      TIME 12:00      ERRORS ENCOUNTERED MAPPING INCOMING DATA            PAGE     1
ERROR     **RECORD**        FIELD  SEG  ELE
NUMBR       NBR ID          SEQ #  ID   SEQ  INFORMATION   ERROR MESSAGE
INTERCHANGE: LAWNVEND       YOUR COMPANY                    CONTROL NO: 000000055
GROUP      : LAWNVEND       YOUR COMPANY                    CONTROL NO:
TRANSACTION: 0926                                          CONTROL NO: 000000155
  687         20                              TTR        SEGMENT RECEIVED NOT DEFINED TO TRANSACTION MAPPING.

  687         21                              PTR        SEGMENT RECEIVED NOT DEFINED TO TRANSACTION MAPPING.

PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
                              EDI RECORDS READ ---------------      22
                              EDI RECORDS SUSPENDED ---------       0
                              APPLICATION RECORDS WRITTEN ----      14
                              RETURN-CODE FOR MAPPING -------       4
```

Figure 4.5 Sample SYS005 DD Output from EBDI041 (Relationship Mode) (Step 6)

```
EBDI041   RUN  06/01/2011  TIME 12:00  PROCESSING OPTIONS FOR MAPPING INCOMING DATA      PAGE     1
APPLICATION TO PROCESS------------------INVFILEF
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--N
DATABANK PROCESSING CONFIGURATION-------NO DATABANK
DATABANK PROCESSING LEVEL---------------NO DATABANK
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 CENTER ENABLED------------------N
GENTRAN:STRUCTURE-----------------------ENABLED
EBDI041  RUN  06/01/2011 TIME 12:00   SUMMARY CONTROL COUNTS MAPPING INCOMING DATA        PAGE     1
PROCESSING BEGAN ON  06/01/2011 AT 12:00 AM.
INTERCHANGES READ ----------------------                   1
GROUPS READ ----------------------------                   0
TRANSACTIONS READ ----------------------                   1
SEGMENTS READ --------------------------                  15
CHARACTERS READ ------------------------               3,615
DOCUMENTS STORED ON DATA BANK ----------                   0
RECORDS STORED ON DATA BANK ------------                   0
APPLICATION DOCUMENTS WRITTEN ----------                   1
APPLICATION RECORDS WRITTEN ------------                  14
APPLICATION CHARACTERS WRITTEN ---------               1,120
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  06/01/2011 AT 12:00 AM.
```

Figure 4.6 Sample SYS006 DD Output from EBDI041 (Step 6)

Note: For *relationship mode processing*, the Summary report will have some minor differences from the sample.

Note: If you are using *Concurrency Processing*, you will see four lines describing concurrent processing information:

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

Completed by: _____

Date: _____ Time: _____

Outbound Process

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

Step 2 Execute the outbound process.

Submitting the batch job **STROUT** or **STROUTC** (for concurrency processing) executes the Outbound Mapper program (EBDI042).

STROUT and STROUTC use the test data, partner profiles, and maps provided on the installation tape and create temporary databank files that are copied to the Sterling Gentran:Basic application databanks.

Typically performed by: System Installer

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

- ❑ Modify JCL member **STROUT** or **STROUTC** to meet your installation requirements.
- ❑ If you are processing in Relationship (User/Partner) processing mode, uncomment the EDIPREL DD and comment out the SYS095 DD statements. Otherwise, skip this task.
- ❑ If you are using **STROUTC**, you need to make the following change to STROUTC:
  - In **Step 2**, change **`YOUR.SDFHEXC1.LOAD`** to reflect your library name.
- ❑ Verify that return codes are zeroes.
- ❑ Compare your reports with the following sample reports (Figure 4.7 and Figure 4.8).

```
EBDI042 RUN 06/01/2011   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 ------      20
                              APPLICATION RECORDS SUSPENDED -       0
                              TOTAL RECORDS WRITTEN ---------       0
                              FIXED DATA SEGMENTS WRITTEN ---      16
                              RETURN CODE FOR MAPPING -------       0
```

Figure 4.7 Sample SYS005 DD Output from EBDI042 (Step 4)

```
EBDI042  RUN 06/01/2011 TIME 12:00  PROCESSING OPTIONS FOR MAPPING OUTGOING DATA        PAGE     1
APPLICATION TO PROCESS------------------POFILEF
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---------------------00000001
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
GENTRAN:STRUCTURE-----------------------ENABLED
  OUTPUT SEGMENT TYPE ------------------F
  OUTPUT SEGMENT LENGTH ----------------00080
  STRUCTURE DATABANKING LEVEL-----------FULL
  STRUCTURE DATABANK RUN NUMBER---------00000003
GENERATE RETURN CODE --------------------Y
CONCURRENCY ENABLED---------------------N
MESSAGE CENTER ENABLED------------------N
EBDI042  RUN 06/01/2011  TIME 12:00    PROCESSING OPTIONS FOR ENVELOPE GENERATION         PAGE     1
NO ENVELOPE PARAMETERS SPECIFIED -------
EBDI042  RUN 06/01/2011  TIME 12:00    SUMMARY CONTROL COUNTS MAPPING OUTGOING DATA       PAGE     1
PROCESSING BEGAN ON  06/01/2011 AT  12:00 AM.
SEQUENTIAL INPUT DOCUMENTS READ -------                    1
SEQUENTIAL INPUT RECORDS READ ---------                   20
SEQUENTIAL INPUT CHARACTERS READ ------                5,000
DOCUMENTS STORED ON DATA BANK ---------                    1
RECORDS STORED ON DATA BANK -----------                   20
DOCUMENTS REPROCESSED ------------------                  0
RECORDS REPROCESSED --------------------                  0
CHARACTERS REPROCESSED -----------------                  0
DOCUMENTS SUSPENDED --------------------                  0
RECORDS SUSPENDED ----------------------                  0
CHARACTERS SUSPENDED -------------------                  0
EDI DOCUMENTS GENERATED ----------------                  0
EDI PACKAGES GENERATED  ----------------                  0
TOTAL RECORDS WRITTEN ------------------                  0
FIXED DATA DOCUMENTS GENERATED ---------                  1
FIXED DATA SEGMENTS GENERATED ----------                 16
FIXED DATA CHARACTERS GENERATED -------               1,280
NUMBER OF APPLICATIONS PROCESSED ------                   1
NUMBER OF MAP DEFINITIONS PROCESSED ---                   1
NUMBER OF TRADING PARTNERS PROCESSED --                   1
PROCESSING ENDED ON  06/01/2011 AT  12:00 AM.
```

Figure 4.8 Sample SYS006 DD Output from EBDI042 (Step 4)

Note: For *relationship processing mode*, the summary report will have some minor differences from the sample.

Note: If you are using *Concurrency Processing*, you will see four lines describing concurrent processing information:

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

Completed by:_____

Date: _____ **Time:** _____

Testing the Online Screens

By completing the steps in this section, you will test the online screens to ensure that the display indicates proper installation of Sterling Gentran:Structure.

Performing the Online Installation Verification Procedure

Step 3 Access the Gentran Main Menu.

To access the Gentran subsystems by means of online screens, you first must log on to the Gentran system. After you log on, the Gentran Main Menu appears; you can access screens for all subsystems from this menu.

Typically performed by: System Installer

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

- ❑ Bring up the appropriate screen for the CICS terminal and clear the screen.
- ❑ At the insertion point, type the System Image ID and press **Enter** to display the Sterling Gentran:Basic logon screen.

  The system displays the Gentran logon screen.

```
EDIM000                                                        06/01/2011
                                                                 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 6.6.00      GENTRAN:STRUCTURE 6.6.00



                   User ID:  ________      Password:
                                          New Password:


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  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 (such as Sterling Gentran:Structure) are installed on your system.

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

The system displays the Gentran Main Menu (EDIM001). You can access all subsystems from this menu.

```
EDIM001 0.0_______          GENTRAN MAIN MENU             XXX       06/01/2011
EDI/EDI                                                              12:00:00


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

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

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



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

Completed by:_____

Date: _____ **Time:** _____

Step 4 Verify the Partner subsystem installation online.

Typically performed by: System Installer

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

❑ Type **1** to select the Partner Maintenance Menu and press **Enter**.

The system displays the Partner Maintenance Menu. The following diagrams illustrate the screen for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
EDIM005 1.0_______        PARTNER MAINTENANCE MENU              XXX  06/01/2011
                                                                       12:00:00


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

                   _ 1.  Partner Directory

                     2.  Partner Maintenance

                     3.  Partner Cross-Reference Menu




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

Relationship (User/Partner) Mode

```
EDIM005 1.0_______        PARTNER MAINTENANCE MENU              XXX  06/01/2011
                                                                       12:00:00


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

                   _ 1.  Partner Directory

                     2.  Partner Maintenance

                     3.  Trading Partner Relationship




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

❑ From the Partner Maintenance Menu, type **2** to select Partner Maintenance and press **Enter**.

The system displays the Partner Selection Menu. The following diagrams illustrate the screen for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
EDIM007 1.2_______          PARTNER SELECTION MENU              XXX  06/01/2011
                                                                       12:00:00


  Part ID:  ________________________________________     Qual: ________________
  Copy ID:  ________________________________________     Qual: ________________
          Type the number of your selection below and press ENTER,
          or press the PF3 key to Exit.
                       _  1.  Header Information
                          2.  Interchange Directory
                          3.  Group Directory
                          4.  Transaction Directory
                          5.  Name and Address
                          6.  User Defined
                          7.  Data Separation
                          8.  Error Rejection
                          9.  Copy All Records
                                                 Job Name: _________

Enter PF1=Help            PF3=Exit PF4=Dir
      PF7=Rpt
```

Relationship (User/Partner) Mode

```
EDIM007 1.2_______          PARTNER SELECTION MENU              XXX  06/01/2011
                                                                       12:00:00


     User:  ________________________________________  Partner: ________________
Copy User:  ________________________________________  Partner: ________________
          Type the number of your selection below and press ENTER,
          or press the PF3 key to Exit.
                       _  1.  Header Information
                          2.  Interchange Directory
                          3.  Group Directory
                          4.  Transaction Directory
                          5.  Name and Address
                          6.  User Defined
                          7.  Data Separation
                          8.  Error Rejection
                          9.  Copy All Records

                                               Job Name: _____________

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Ref
          PF7=Rpt
```

❑ **(For Partner/Qualifier mode only)**
Type **LAWNVEND** in the Part ID field and press **Enter**.

(For Relationship mode only)
Type **YOUR COMPANY** in the User field and **LAWNVEND** in the Partner field and press **Enter**.

The system displays the **LAWN VENDOR FOR DEMONSTRATION** partner name.

❑ Type **1** to select Header Information and press **Enter**.

The system displays the Header Information screen (EDIM026). The following diagrams illustrate the screens for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
EDIM026 1.2.1_____           HEADER INFORMATION              XXX   06/01/2011
                                                                    12:00:00

         LAWN VENDOR FOR DEMONSTRATION
Part ID: LAWNVEND                                  Qual:

Description:
            LAWN_VENDOR_FOR_DEMONSTRATION___________
            ________________________________________

Underscore Character :  _
Division . . . . . :  000
Update Allowed . . . :  Y    (Y/N)

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




Enter PF1=Help            PF3=Exit                PF5=IDir
                        PF9=Add PF10=Updt PF11=Del
```

Relationship (User/Partner) Mode

```
EDIM026 1.2.1_____           HEADER INFORMATION              XXX   06/01/2011
                                                                    12:00:00

         YOUR COMPANY                          LAWN VENDOR FOR DEMONSTRATION
User...: YOUR COMPANY                          Partner: LAWNVEND

Description:
            LAWN_VENDOR_FOR_DEMONSTRATION___________
            ________________________________________

Underscore Character :  _
Division . . . . . :  000
Update Allowed . . . :  Y    (Y/N)

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




Enter PF1=Help            PF3=Exit                PF5=IDir
                        PF9=Add PF10=Updt PF11=Del
```

❑ Press **PF5=IDir**.

The system displays the Interchange Directory screen (EDIM027). The following diagrams illustrate the screens for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
Select
EDIM027 1.2.2_____          INTERCHANGE DIRECTORY             XXX  06/01/2011
                                                                     12:00:00

         LAWN VENDOR FOR DEMONSTRATION
Part ID: LAWNVEND                              Qual:

   MULTIPLE   HEADER
A  ENV ID     OPTION      VERSION
_               GEN
_
_
_
_
_
_
_
_
_
TO SELECT INTERCHANGE ENTER AN S BESIDE THE ID
Enter PF1=Help            PF3=Exit PF4=Hdr        PF5=Ctrl
      PF7=Bwd  PF8=Fwd
```

Relationship (User/Partner) Mode

```
Select
EDIM027 1.2.2_____          INTERCHANGE DIRECTORY             XXX  06/01/2011
                                                                     12:00:00


         YOUR COMPANY                          LAWN VENDOR FOR DEMONSTRATION
User:    YOUR COMPANY                          Partner: LAWNVEND

   MULTIPLE   HEADER
A  ENV ID     OPTION      VERSION
_               GEN
_
_
_
_
_
_
_
_
_
_
TO SELECT INTERCHANGE ENTER AN S BESIDE THE ID
Enter PF1=Help            PF3=Exit PF4=Hdr        PF5=Ctrl
      PF7=Bwd  PF8=Fwd
```

- ❑ Type an **S** in the A (Action Code) field next to the **GEN** Header Option and press **PF5=Ctrl**.

The system displays the Control Information screen (EDIM015). The following diagrams illustrate the screen for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
EDIM015 1.2.2.1___          CONTROL INFORMATION            XXX   06/01/2011
                                                                   12:00:00


        LAWN VENDOR FOR DEMONSTRATION
Part ID: LAWNVEND                                Qual:
Multiple Envelope Id:  ___                      Version: ____________
Interchange Header Option....:  GEN  (ISA ICS BG GS UNA UNB SCH STX GEN)
Last Incoming Sequence Number:  _______________
EDI Databank Inbound.........:  _ (D/N)        Outbound.........:  _  (F/D/N)
Expect a TA1, AC1, or UCI....:  _ (Y/N)        Network Tracking.:  _  (Y/N)
Acknowledge Interchange......:  _ (Y/N/E)      Errors...........:  _  (Y/N)


Last Incoming BG Password....:  __________     Syntax Version...:  /
Mailbox/Remote ID (For Plus).:  ________
Network ID.(For PLUS)........:  ________________
Viewpoint - Exception........:  _ (Y/N)        Tracking.........:  _  (Y/N)
Reconciliation Delay (days)..:  ___


Enter PF1=Help            PF3=Exit PF4=IDir       PF5=Control    PF6=Next Ctl
                       PF9=Add PF10=Updt PF11=Del   PF14=Info
```

Relationship Mode

```
EDIM015 1.2.2.1___          CONTROL INFORMATION            XXX   06/01/2011
                                                                   12:00:00



        YOUR COMPANY                             LAWN VENDOR FOR DEMONSTRATION
User...: YOUR COMPANY                            Partner: LAWNVEND
Multiple Envelope Id:  ___                       Version: ____________
Interchange Header Option....:  GEN  (ISA ICS BG GS UNA UNB SCH STX GEN)
Last Incoming Sequence Number:  _______________
EDI Databank Inbound.........:  _ (D/N)        Outbound.........:  _  (F/D/N)
Expect a TA1, AC1, or UCI....:  _ (Y/N)        Network Tracking.:  _  (Y/N)
Acknowledge Interchange......:  _ (Y/N/E)      Errors...........:  _  (Y/N)


Last Incoming BG Password....:  __________     Syntax Version...:  /
Mailbox/Remote ID (For Plus).:  ________
Network ID.(For PLUS)........:  ________________
Viewpoint - Exception........:  _ (Y/N)        Tracking.........:  _  (Y/N)
Reconciliation Delay (days)..:  ___


Enter PF1=Help            PF3=Exit PF4=IDir       PF5=Control    PF6=Next Ctl
                       PF9=Add PF10=Updt PF11=Del   PF14=Info
```

- ❑ Verify that the system displays a Control Information record for your partner, Lawnvend.
- ❑ Press **PF5=Control**.

The system displays the Control Information – Screen 2 (EDIM011). The following diagrams illustrate the screen for both Partner/Qualifier mode and Relationship (User/Partner) mode.

Partner/Qualifier Mode

```
EDIM011 __________          CONTROL INFORMATION              XXX   06/01/2011
                                                                    12:00:00

          LAWN VENDOR FOR DEMONSTRATION
  Part ID: LAWNVEND                                  Qual:
Multiple Envelope Id:
Outbound envelope information for Generic Interchange:

Envelope ID...:  PHD                    Modifier......:  _
Sender ID.....:  LAWNCUST_______
Receiver ID...:  LAWNVEND_______
Version ID....:  JASS________
Transaction ID:  ______
Reference.....:  000000000000000001
Gen Element 1.:  MOWING_____________   Gen Element 2.:  ____________________
Gen Element 3.:  ____________________   Gen Element 4.:  ____________________
Gen Element 5.:  ____________________   Gen Element 6.:  ____________________
Gen Element 7.:  ____________________   Gen Element 8.:  ____________________
Gen Element 9.:  ____________________   Gen Element 10:  ____________________

Enter PF1=Help            PF3=Exit PF4=Ctrl       PF5=GDir
                                PF10=Updt    PF14=Info
```

Relationship (User/Partner) Mode

```
EDIM011 __________          CONTROL INFORMATION              XXX   06/01/2011
                                                                    12:00:00


          YOUR COMPANY                          LAWN VENDOR FOR DEMONSTRATION
  User...: YOUR COMPANY                         Partner: LAWNVEND
Multiple Envelope Id:
Outbound envelope information for Generic Interchange:

Envelope ID...:  PHD                    Modifier......:  _
Sender ID.....:  LAWNCUST_______
Receiver ID...:  LAWNVEND_______
Version ID....:  JASS________
Transaction ID:  ______
Reference.....:  000000000000000001
Gen Element 1.:  MOWING_____________   Gen Element 2.:  ____________________
Gen Element 3.:  ____________________   Gen Element 4.:  ____________________
Gen Element 5.:  ____________________   Gen Element 6.:  ____________________
Gen Element 7.:  ____________________   Gen Element 8.:  ____________________
Gen Element 9.:  ____________________   Gen Element 10:  ____________________

Enter PF1=Help            PF3=Exit PF4=Ctrl       PF5=GDir
                                PF10=Updt    PF14=Info
```

- ❑ Press **Home** to navigate to the Jump Code field. Type `0.0` and press **Enter** to jump to the Gentran Main Menu.

Completed by: _____

Date: _____ **Time:**_____

Step 5 Verify the Standards subsystem installation.

Typically performed by: System Installer

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

❑ On the Gentran:Main Menu, type **2** and press **Enter**.

The system displays the Standards Maintenance Menu (EDIM100).

```
EDIM100 2.0_______        STANDARDS MAINTENANCE MENU        XXX     06/01/2011
                                                                      12:00:00


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

                     __  1.   Version Directory
                         2.   Version
                         3.   Version/Transaction Directory
                         4.   Transaction Directory
                         5.   Transaction
                         6.   Segment
                         7.   Segment Element
                         8.   Segment Element Activity
                         9.   Data Element Definition
                         10.  Standard Code Menu
                         11.  Transaction in Use
                         12.  User Envelope Specification
                         13.  Standard Association

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

❑ Type **12** to select User Envelope Specification and press **Enter**.

The system displays the User Envelope Specification screen (EDIM190).

```
Add Delete Update Version/outbound-specification
EDIM190 2.12______      USER ENVELOPE SPECIFICATION          XXX    06/01/2011
                                                                      12:00:00


Starting Segment ID..: __________


A ---Segment-- -Seg  ID- -Env-  -Usr ID-  -Prt ID- -Associated- Ver  Last Updt
     ID    Mod  Start Ln Lvl D  Start Ln  Start Ln Hdr/Trl  Mod Spc  Date User
_ PHD_______ _  ___78 _3  BI B  _____ __  ____1 15 __________ _  Y  010698 XXX
_ THD_______ _  ___78 _3  BT B  _____ __  _____ __ __________ _  Y  042897 XXX
_ 20________ _  ____1 _3  BI B  _____ __  ____8 _9 99_______ _  Y  041796 XXX
_ 20G_______ _  ____1 _3  BG B  _____ __  _____ __ 99G______ _  N  041796 XXX
_ 20T_______ _  ____1 _3  BT B  _____ __  _____ __ 99T______ _  N  041796 XXX
_ 99________ _  ____1 _3  EI B  _____ __  _____ __ 20_______ _  N  041796 XXX
_ 99G_______ _  ____1 _3  EG B  _____ __  _____ __ 20G______ _  N  041796 XXX
_ 99T_______ _  ____1 _3  ET B  _____ __  _____ __ 20T______ _  N  041796 XXX
_ __________ _  _____ __  __ _  _____ __  _____ __ __________ _
_ __________ _  _____ __  __ _  _____ __  _____ __ __________ _

END OF USER ENVELOPE RECORDS
Enter PF1=Help            PF3=Exit
      PF7=Bwd  PF8=Fwd
```

- ❑ Verify that the system displays the sample/test data, then press **PF3=Exit** twice.

  The system displays the Gentran:Main Menu.

Completed by: _____

Date: _____ **Time:**_____

Verification for Sterling Gentran:Realtime Users

Note: If your organization does not use Sterling Gentran:Realtime, then skip the rest of this chapter.

Adding Test Options

In the following steps, use the Online System Maintenance screens to add three sets of Immediate Options and Path Options, which are required for the verification procedure.

Options 300, 301, and 302 are designated for your use in this installation verification procedure, but you may use any Options.

Adding Immediate Options and Path Options for Outbound Test

Step 6 Add the Immediate Options and Path Options.

Typically performed by: System Installer

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

❑ Log on to Gentran. The Gentran Main Menu displays.

```
EDIM001 0.0_______          GENTRAN MAIN MENU            XXX       06/01/2011
EDI/EDI                                                  XXXXXXXX    12:00:00


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

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

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




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

- From the Gentran Main Menu, type **8** to select Sterling Gentran:Realtime Main Menu. The Sterling Gentran:Realtime Main Menu displays.

```
EDIM800 8.0_______     GENTRAN:Realtime MAIN MENU            XXX    06/01/2011
                                                                      12:00:00


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

                  _      1.   System Maintenance

                         2.   Online Log Display

                         3.   Report Selection

                         4.   Exception Processing Facility

                         5.   GENTRAN:Realtime Activity




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

- From the Sterling Gentran:Realtime Main Menu, type **1** to select System Maintenance. The System Maintenance screen displays.

```
EDIM801 8.1_______              SYSTEM MAINTENANCE            XXX    06/01/2011
                                                                      12:00:00


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

                  __     1.   System Options
                         2.   Immediate Directory
                         3.   Immediate Options
                         4.   Queue Directory
                         5.   Queue Options
                         6.   Schedule Directory
                         7.   Schedule Options
                         8.   Path Options Directory
                         9.   Path Options Maintenance
                        10.   Online Copy Maintenance
                        11.   Databank Parameter Maintenance
                        12.   Acknowledgment Parameter Maintenance


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

- ❑ From the System Maintenance Menu, type **3** to select Immediate Options. The Immediate Options screen displays.

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                      12:00:00


Immediate Number........: 200    GENTRAN:REALTIME_(OUTBOUND_IVP_TEST)____
                                 X12_TEST_DATA_____________________________

Immediate Status........: E      E = Enabled   D = Disabled
Immediate Trace.........: E      E = Enabled   D = Disabled

Path Option ID..........: 200
Active Path.............: E      E = Enabled   D = Disabled
Max Threads.............: 1      Numeric Range 1 - 9
Big Intchg Cutoff.......: ____   Numeric Range 1000 - 9999

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

Enter PF1=Help            PF3=Exit PF4=Dir                       PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

- ❑ Fill in the required information as follows:

Field	Type this:
Immediate Number	300
(Description)	Immediate Option (Outbound Test) Structure – Fixed/Var Splitter
Immediate Status	E
Immediate Trace	D
Path Options ID	300
Active Path	E
Max Threads	2
Big Intchg Cutoff	1000

- ❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                     12:00:00


Immediate Number........: 300    IMMEDIATE_OPTION_(OUTBOUND_TEST)________
                                 STRUCTURE_-_FIXED/VAR_SPLITTER__________

Immediate Status........: E      E = Enabled   D = Disabled
Immediate Trace.........: D      E = Enabled   D = Disabled

Path Option ID..........: 300
Active Path.............: E      E = Enabled   D = Disabled
Max Threads.............: 2      Numeric Range 1 - 9
Big Intchg Cutoff.......: 1000   Numeric Range 1000 - 9999

Error User Exit Program.: ________
Error User Exit Data....: ____________________
                                                 Last Update Date: 06/01/11
                                                             Time: 12:00:00
                                                             User: XXX
IMMEDIATE RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir                    PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

- ❑ Press **PF6=Path Opt** to exit to the General Shell Path Maintenance screen (EDIM831) for Option 300. The next few screens will be used to set up the Shell Path processing for the immediate option.

```
EDIM831 8.1.9_____     GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                     12:00:00
Path ID.............: 300S  ____________________________________________
Process Indicator...: _   (I=Inbound/O=Outbound)
Step................: _   (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ******************************
   User Pgm.........: ________               * Transfer to: _              *
   TSQ Name.........: ________               *                             *
   Queue File Nbr...: ___                    *                             *
                                             *                             *
Error Handling:                              *                             *
   Exception Pgm....: ________               *                             *
Reporting:                                   *                             *
   Description......: ________________       *                             *
   Suppress Rpts....: _                      *                             *
Storage Performance:                         *                             *
   MAP Store Sw.....: _                      ******************************

Last Update Date....:           Time:           User:
NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                        PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(300S)
(Description)	Outbound Structure – Fixed Env Test
Process Indicator	O
Step	X
Destination User Pgm	***PIM*RTOUT** Where ***PIM*** represents the three position program image as indicated in your Pre-installation Worksheet.
Reporting Description	FIXED – ENV GEN

Note: All other fields remain blank.

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM831 8.1.9_____      GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 300S  OUTBOUND_STRUCTURE_-_FIXED_ENV_TEST_____
Process Indicator...: O   (I=Inbound/O=Outbound)
Step................: X   (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ****************************
   User Pgm.........: EDIRTOUT               * Transfer to: _            *
   TSQ Name.........: ________               * 1. Additional Shell Parms *
   Queue File Nbr...: ___                    * 2. Translation Steps      *
                                             * 3. Mapper Parameters      *
Error Handling:                              * 4. Editor Parameters      *
   Exception Pgm....: ________               * 5. CONNECT Parameters     *
Reporting:                                   * 6. Outbound EDI Extract   *
   Description......: FIXED-ENV_GEN__        * 7. Structure Steps        *
   Suppress Rpts....: _                      *                           *
Storage Performance:                         *                           *
   MAP Store Sw.....: _                      ****************************

Last Update Date....: 06/01/11  Time: 12:00:00  User: XXX
PATH RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                        PF9=Add PF10=Updt PF11=Del
```

❑ Type **2** in the **Transfer to** field to display the Shell Path-Translation Outbound (EDIM839) and press **PF5=Transfer**.

```
EDIM839 __________   SHELL PATH - TRANSLATION OUTBOUND         XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 300S  OUTBOUND STRUCTURE - FIXED ENV TEST
Outbound Flow


Translation Steps:      (1=Yes/0=No)            ****************************
  Outbound Mapper..........: _                  * Transfer to: _           *
  Outbound Assoc Data Ins..: _                  * 1. Additional Steps      *
  Outbound Editor..(HIPAA).: _ /  _             * 2. Mapper Parameters     *
  Outbound Splitter........: _                  * 3. Editor Parameters     *
  Outbound EDI Extract.....: _                  * 4. CONNECT Parameters    *
                                                * 5. Outbound EDI Extract  *
                                                ****************************



                                                    Last Update Date: 06/01/11
                                                                Time: 12:00:00
                                                                User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(300S)
Outbound Mapper	1
Outbound Assoc Data Ins	0
Outbound Editor	0
Outbound Editor (HIPAA)	0
Outbound Splitter	0
Outbound EDI Extract	0

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM839 __________   SHELL PATH - TRANSLATION OUTBOUND         XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 300S  OUTBOUND STRUCTURE - FIXED ENV TEST
Outbound Flow


Translation Steps:      (1=Yes/0=No)           ***************************
  Outbound Mapper..........: 1                 * Transfer to: _           *
  Outbound Assoc Data Ins..: 0                 * 1. Additional Steps      *
  Outbound Editor..(HIPAA).: 0 /  0            * 2. Mapper Parameters     *
  Outbound Splitter........: 0                 * 3. Editor Parameters     *
  Outbound EDI Extract.....: 0                 * 4. CONNECT Parameters    *
                                               * 5. Outbound EDI Extract  *
                                               ***************************



                                                  Last Update Date: 06/01/11
                                                              Time: 12:00:00
                                                              User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

- Type **2** in the **Transfer to** field and press **PF5=Transfer** to display the Outbound Mapper-1 Path Maintenance screen (EDIM83D).

  The next few screens will allow you to set up the mapping parameters needed for the verification process.

```
EDIM83D __________      OUTBOUND MAPPER-1 PATH MAINTENANCE      XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 300M  ____________________________________________

Application Data ID.: __________ (Application Data File Or ##INSTREAM)
EDI Data Print SW...: _          (Y = Print First 80 Characters)
Startup Exit........: _______    (User Program Executed at Start)
End Exit............: _______    (User Program Executed at End)
Databank Proc Level.: _          (0=No/1=Full/2=Dir/3=Partner)
Decimal Notation....: _          (,/Blank)
Print Report Switch.: N          (Y/N)
                                           ***************************
                                           * Transfer to: _           *
                                           * 1. Mapper-2 Parameters   *
                                           * 2. Mapper-3 Parameters   *
Last Update Date:                          * 3. Mapper-4 Parameters   *
            Time:                          * 4. Envelope Parameters   *
            User:                          * 5. Editor Parameters     *
                                           ***************************
NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
              PF8=Map2 PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(300M)
(Description)	Structure Outbound – Fixed GEN Test
Application Data ID	POFILEF
Databank Proc. Level	0

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM83D __________      OUTBOUND MAPPER-1 PATH MAINTENANCE      XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 300M  STRUCTURE_OUTBOUND_-_FIXED_GENTEST______

Application Data ID.: POFILEF___ (Application Data File Or ##INSTREAM)
EDI Data Print SW...: _          (Y = Print First 80 Characters)
Startup Exit........: _______    (User Program Executed at Start)
End Exit............: _______    (User Program Executed at End)
Databank Proc Level.: 0          (0=No/1=Full/2=Dir/3=Partner)
Decimal Notation....: _          (,/Blank)
Print Report Switch.: N          (Y/N)
                                          ****************************
                                          * Transfer to: _           *
                                          * 1. Mapper-2 Parameters   *
                                          * 2. Mapper-3 Parameters   *
Last Update Date: 06/01/11                * 3. Mapper-4 Parameters   *
            Time: 12:00:00                * 4. Envelope Parameters   *
            User: XXX                     * 5. Editor Parameters     *
                                          ****************************
PATH RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
              PF8=Map2 PF9=Add PF10=Updt PF11=Del
```

❑ Type **1** in the **Transfer to** field and press **PF5=Transfer** to display the Outbound Mapper-2 Path Maintenance screen (EDIM84I).

```
EDIM84I _________     OUTBOUND MAPPER-2 PATH MAINTENANCE      XXX  06/01/2011
                                                                    12:00:00

Path ID.............: 300M  STRUCTURE OUTBOUND - FIXED GENTEST

Document Tracking..........:  _   (1=Print Error Audit/2=Print Audit for all)
Support Quote Switch.......:  _   (Y/Blank)
Map blank Subfield.........:  _   (Y/N)
CNTL Pass Thru ind.........:  _   (Y/I/Blank)
Application Reference Load.:  _   (0/1/Blank)
Envelope GEN Switch........:  N   (Y=CNTLrecs/N=Env)
Interchange Version OFF....:  _   (Y/Blank)
Group Version OFF..........:  _   (Y/Blank)
Trans Version OFF..........:  _   (Y/Blank)
Multi Env enable Override..:  _   (Y/Blank)
Multiple Envelope id.......:  ___
Default Interchange Ver....:  ____________
                                                Last Update Date: 06/01/11
                                                            Time: 12:00:00
                                                            User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Shell
      PF7=Map1 PF8=Map3         PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(300M)
Envelope Gen Switch	N

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM84I __________      OUTBOUND MAPPER-2 PATH MAINTENANCE      XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 300M  STRUCTURE OUTBOUND - FIXED GENTEST

Document Tracking..........:  _   (1=Print Error Audit/2=Print Audit for all)
Support Quote Switch.......:  _   (Y/Blank)
Map blank Subfield.........:  _   (Y/N)
CNTL Pass Thru ind.........:  _   (Y/I/Blank)
Application Reference Load.:  _   (0/1/Blank)
Envelope GEN Switch........:  N   (Y=CNTLrecs/N=Env)
Interchange Version OFF....:  _   (Y/Blank)
Group Version OFF..........:  _   (Y/Blank)
Trans Version OFF..........:  _   (Y/Blank)
Multi Env enable Override..:  _   (Y/Blank)
Multiple Envelope id.......:  ___
Default Interchange Ver....:  ____________
                                                 Last Update Date: 06/01/11
                                                             Time: 12:00:00
                                                             User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Shell
      PF7=Map1 PF8=Map3         PF10=Updt PF11=Del
```

- Press **PF8=Map3** twice to display the Outbound Mapper-4 Path Maintenance screen (EDIM84J).

```
EDIM84J __________      OUTBOUND MAPPER-4 PATH MAINTENANCE      XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 300M  STRUCTURE OUTBOUND - FIXED GENTEST

Structure:
    Standard Type.....................: _ (F/V/blank)
    Maximum Len.......................: 00000
    Initialize Numerics...............: _ (Y/Blank)
    DBK Level.........................: _ (0=No/1=Full/2=Dir)
    Always Generate New Group per Tran.: _ (Y/Blank)

Viewpoint:
    Exception Tracking................: N (Y=ON/N=OFF)
    Tracking Management...............: N (Y=ON/N=OFF)


                                                 Last Update Date: 06/01/11
                                                             Time: 12:00:00
                                                             User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Shell
      PF7=Map3 PF8=Env          PF10=Updt
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(300M)
Standard Type	F
Maximum Len	00080
DBK Level	1

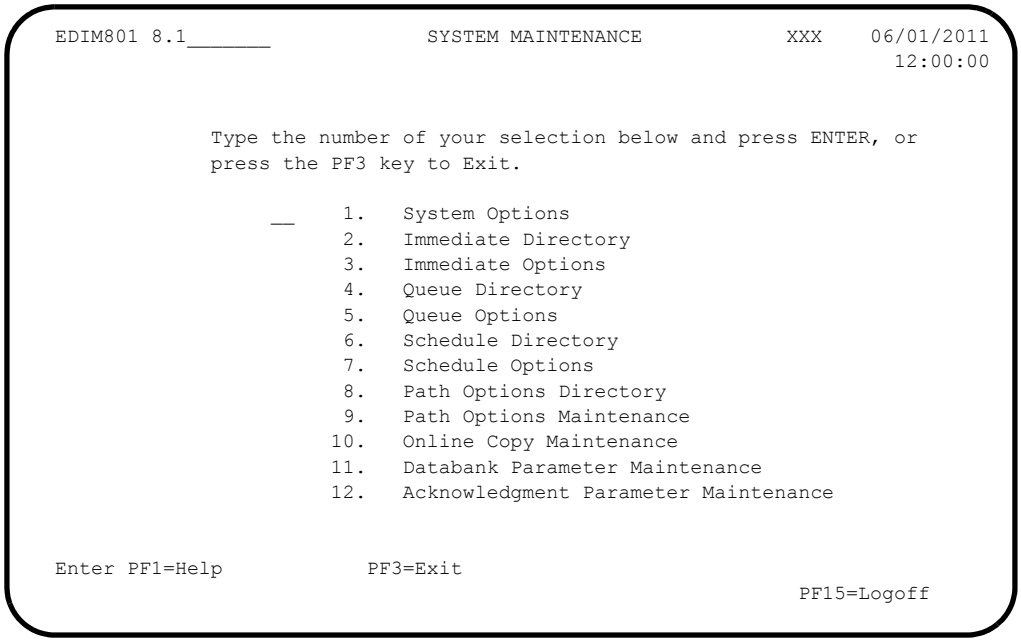
Note: All other fields remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM84J _________      OUTBOUND MAPPER-4 PATH MAINTENANCE      XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 300M  STRUCTURE OUTBOUND - FIXED GENTEST

Structure:
    Standard Type.....................: F (F/V/blank)
    Maximum Len.......................: 00080
    Initialize Numerics...............: _ (Y/Blank)
    DBK Level.........................: 1 (0=No/1=Full/2=Dir)
    Always Generate New Group per Tran.: _ (Y/Blank)

Viewpoint:
    Exception Tracking................: N (Y=ON/N=OFF)
    Tracking Management...............: N (Y=ON/N=OFF)


                                                  Last Update Date: 06/01/11
                                                              Time: 12:00:00
                                                              User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir                     PF6=Shell
      PF7=Map3 PF8=Env          PF10=Updt
```

❑ Press **PF3=Exit** to return to the System Maintenance Menu.



Completed by: _____

Date: _____ **Time:**_____

Adding Immediate Options and Path Options for Option 302

Step 7 Add the Immediate Options and Path Options for Option 302.

Typically performed by: System Installer

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

❑ From the Systems Maintenance Menu, type `3` and press **Enter**. The Immediate Options screen displays.

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                      12:00:00


Immediate Number........: 200    GENTRAN:REALTIME_(OUTBOUND_IVP_TEST)____
                                 X12_TEST_DATA_____________________________

Immediate Status........: E      E = Enabled   D = Disabled
Immediate Trace.........: E      E = Enabled   D = Disabled

Path Option ID..........: 200
Active Path.............: E      E = Enabled   D = Disabled
Max Threads.............: 1      Numeric Range 1 - 9
Big Intchg Cutoff.......: ____   Numeric Range 1000 - 9999

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

Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Immediate Number	302
(Description)	Structure Inbound Test
Immediate Status	E
Immediate Trace	D
Path Options ID	302
Active Path	E
Max Threads	2
Big Intchg Cutoff	1000

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add the data. Verify that the screen appears as follows:

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                      12:00:00


Immediate Number........: 302    STRUCTURE_INBOUND_TEST_____________________
                                  ___________________________________________

Immediate Status........: E      E = Enabled   D = Disabled
Immediate Trace.........: D      E = Enabled   D = Disabled

Path Option ID..........: 302
Active Path.............: E      E = Enabled   D = Disabled
Max Threads.............: 2      Numeric Range 1 - 9
Big Intchg Cutoff.......: 1000   Numeric Range 1000 - 9999

Error User Exit Program.: ________
Error User Exit Data....: ____________________
                                                 Last Update Date: 06/01/11
                                                             Time: 12:00:00
                                                             User: XXX
IMMEDIATE RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir                    PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

❑ Press **PF6=Path Opt** to exit to the General Shell Path Maintenance screen (EDIM831).

The next few screens will be used to set up the Shell Path processing for the immediate option.

```
EDIM831 8.1.9_____     GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 302S  _____________________________________________
Process Indicator...: _   (I=Inbound/O=Outbound)
Step................: _   (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ****************************
   User Pgm.........: ________               * Transfer to: _            *
   TSQ Name.........: ________               *                           *
   Queue File Nbr...: ___                    *                           *
                                             *                           *
Error Handling:                              *                           *
   Exception Pgm....: ________               *                           *
Reporting:                                   *                           *
   Description......: ________________       *                           *
   Suppress Rpts....: _                      *                           *
Storage Performance:                         *                           *
   MAP Store Sw.....: _                      ****************************

Last Update Date....:           Time:           User:
NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                        PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302S)
(Description)	Structure Inbound Test
Process Indicator	I
Step	X
Destination User Pgm	***PIM*RTOUT** Where ***PIM*** represents the three position program image as indicated in your Pre-installation Worksheet.
Reporting Description	PRE-PROCESSOR

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM831 8.1.9_____      GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 302S  STRUCTURE_INBOUND_TEST___________________
Process Indicator...: I   (I=Inbound/O=Outbound)
Step................: X   (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ****************************
   User Pgm.........: EDIRTOUT               * Transfer to: _            *
   TSQ Name.........: ________               * 1. Additional Shell Parms *
   Queue File Nbr...: ___                    * 2. Translation Steps      *
                                             * 3. Mapper Parameters      *
Error Handling:                              * 4. Editor Parameters      *
   Exception Pgm....: ________               * 5. CONNECT Parameters     *
Reporting:                                   * 6. Inbound Appl Extract   *
   Description......: PRE-PROCESSOR__        * 7. Acknowledgements       *
   Suppress Rpts....: _                      * 8. Structure Steps        *
Storage Performance:                         *                           *
   MAP Store Sw.....: _                      ****************************

Last Update Date....: 06/01/11  Time: 12:00:00  User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                       PF9=Add PF10=Updt PF11=Del
```

❑ Type **2** in the **Transfer to** field and press **PF5=Transfer** to display the Shell Path-Translation Inbound Screen (EDIM844).

```
EDIM844 __________     SHELL PATH - TRANSLATION INBOUND         XXX  06/01/2011
                                                                       12:00:00
Path ID.............: 302S  STRUCTURE INBOUND TEST
Inbound Flow
  Translation steps:              (1=Yes/0=No)  ****************************
     Inbound Editor.....(HIPAA).....: _ /  _    * Transfer to: _            *
     Splitter.......................: _         * 1. Additional Steps       *
         Switch (0=Reject only).....: _         * 2. Mapper Parameters      *
     Inbound Mapper.................: _         * 3. Editor Parameters      *
  Acknowledgement steps:                        * 4. CONNECT Parameters     *
     Run Ack as Separate Process....: _         * 5. Inbound Appl Extract   *
     Ack $$ADD Gen..................: _         * 6. Outbound ACK $$ADD Ge  *
     Ack Editor.....................: _         * 7. ACK Connect API Parms  *
         Editor Path................: ___       ****************************
     Ack Connect API................: _
     Ack User Pgm...................: ________
     Ack Queue File Nbr.............: ___
     Ack Tsqname....................: ________      Last Update Date: 06/01/11
                                                               Time: 12:00:00
                                                               User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302S)
Inbound Mapper	1

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM844 __________     SHELL PATH - TRANSLATION INBOUND         XXX  06/01/2011
                                                                      13:00:00
Path ID.............: 302S  STRUCTURE INBOUND TEST
Inbound Flow
  Translation steps:              (1=Yes/0=No)  ****************************
     Inbound Editor.....(HIPAA).....: _ /  _    * Transfer to: _            *
     Splitter.......................: _         * 1. Additional Steps       *
         Switch (0=Reject only).....: _         * 2. Mapper Parameters      *
     Inbound Mapper.................: 1         * 3. Editor Parameters      *
  Acknowledgement steps:                        * 4. CONNECT Parameters     *
     Run Ack as Separate Process....: _         * 5. Inbound Appl Extract   *
     Ack $$ADD Gen..................: _         * 6. Outbound ACK $$ADD Ge *
     Ack Editor.....................: _         * 7. ACK Connect API Parms *
         Editor Path................: ___       ****************************
     Ack Connect API................: _
     Ack User Pgm...................: ________
     Ack Queue File Nbr.............: ___
     Ack Tsqname....................: ________      Last Update Date: 06/01/11
                                                              Time: 12:00:00
                                                              User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

- ❑ Type **1** in the **Transfer to** field and press **PF5=Transfer** to display the Additional Shell Steps Maintenance screen (EDIM84F).

```
EDIM84F __________  ADDITIONAL SHELL STEPS MAINTENANCE         XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 302S  STRUCTURE INBOUND TEST
Inbound Flow
  Utilities:                      (1=Yes/0=No)
     Inbound CONNECT API............: _        ****************************
     Inbound Application Extract....: _        * Transfer to: _            *
                                               * 1. Translation Steps      *
                                               * 2. Mapper Parameters      *
  Structure:                                   * 3. Editor Parameters      *
     Fixed/Variable Splitter........: _        * 4. CONNECT Parameters     *
     Format Specific Compliance Chkr..: _______ * 5. Inbound Appl Extract  *
     NCPDP Reformat.................: _        * 6. Structure Pre-Proc     *
     Pre-Processor..................: _        * 7. Structure Splitter     *
  Advantage:                                   *                           *
     Wire Post-Processor............: _        ****************************
        Wire Ack Option...(824w997)...: ___
        Wire Ack Option...(997 only)..: ___       Last Update Date: 06/01/11
     Stats Post-Processor...........: _                       Time: 12:00:00
                                                              User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

- ❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302S)
Pre Processor	1

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update data. Verify that the screen appears as follows:

```
EDIM84F __________  ADDITIONAL SHELL STEPS MAINTENANCE         XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 302S  STRUCTURE INBOUND TEST
Inbound Flow
  Utilities:                          (1=Yes/0=No)
     Inbound CONNECT API..............: _         ****************************
     Inbound Application Extract......: _         * Transfer to: _           *
                                                  * 1. Translation Steps     *
                                                  * 2. Mapper Parameters     *
  Structure:                                      * 3. Editor Parameters     *
     Fixed/Variable Splitter..........: _         * 4. CONNECT Parameters    *
     Format Specific Compliance Chkr..: ________  * 5. Inbound Appl Extract  *
     NCPDP Reformat...................: _         * 6. Structure Pre-Proc    *
     Pre-Processor....................: 1         * 7. Structure Splitter    *
  Advantage:                                      *                          *
     Wire Post-Processor..............: _         ****************************
        Wire Ack Option...(824w997)...: ___
        Wire Ack Option...(997 only)..: ___          Last Update Date: 06/01/11
     Stats Post-Processor.............: _                        Time: 12:00:00
                                                                  User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

❑ Type **6** in the **Transfer to** field and press **PF5=Transfer** to display the Fixed Format Pre-Processor Path Maintenance screen (EDIM840).

The next screen will be used to set up the processing parameters for the Fixed Format Pre-Processor (EDIR083).

```
EDIM840 __________ FIXED FORMAT PRE-PROCESSOR PATH MAINTENANCE PRW  06/01/2011
                                                                      12:00:00

Path ID.......................:  302P  ____________________________________
Record Format.................. _        0 = Fixed 1 = Variable
Record Length.................. _____    Max of 32760
Partner ID / Qual.............. ____________________________________ /  ____
User ID / Qual................. ____________________________________ /  ____
Version ID..................... ____________   Agency..:  ___
Transaction ID................. ______
Envelope Level................. _      0 = Trans 1 = Group 2 = Interchange
Application By................. _      0 = None  1 = User  2 = Partner
User Reference Segment ID...... ________________
Segment ID Starting Position... _____
Segment ID Length.............. __     Dbk Proc. Level...: _  0=No,1=Full
User Reference Starting Position. _____                      2=Dir
User Reference Length.......... __     Report Print Sw...: _  0=No 1=Print
Detail Report.................. _      0=No 1=Yes
Data Envelope.................. _      0=No 1=Yes
Last Update Date:          Time:          User:
NO PATH RECORD FOUND
Enter PF1=Help           PF3=Exit PF4=Dir                      PF6=Shell
                     PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302P)
(Description)	Structure Inbound Pre-Processor
Record Format	0
Record Length	00080
Envelope Level	2
Application By	0
User Reference Segment ID	IRN
Segment ID Starting Position	00078
Segment ID Length	03
DBK Proc Level	1
User Reference Starting Position	00001
User Reference Length	23
Report Print SW	0

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add to the data.

Verify that the screen appears as follows:

```
EDIM840 __________ FIXED FORMAT PRE-PROCESSOR PATH MAINTENANCE XXX  06/01/2011
                                                                      12:00:00

Path ID.....................:  302P  STRUCTURE_INBOUND_PRE-PROCESSOR_______
Record Format...............  0        0 = Fixed 1 = Variable
Record Length...............  00080    Max of 32760
Partner ID / Qual...........  ____________________________________ /  ____
User ID / Qual..............  ____________________________________ /  ____
Version ID..................  ____________   Agency..:  ___
Transaction ID..............  ______
Envelope Level..............  2      0 = Trans 1 = Group 2 = Interchange
Application By..............  0      0 = None  1 = User  2 = Partner
User Reference Segment ID...  IRN____________
Segment ID Starting Position.  00078
Segment ID Length...........  03     Dbk Proc. Level...: 1  0=No,1=Full
User Reference Starting Position.  00001                     2=Dir
User Reference Length.......  23     Report Print Sw...: 0  0=No 1=Print
Detail Report...............  0      0=No 1=Yes
Data Envelope...............  _      0=No 1=Yes
Last Update Date:  06/01/11 Time:  12:00:00 User:  XXX

Enter PF1=Help            PF3=Exit PF4=Dir                       PF6=Shell
                        PF9=Add PF10=Updt PF11=Del
```

❑ Press **PF6=Shell** to display the General Shell Path Maintenance screen (EDIM831). Type **3** in the **Transfer to** field and press **PF5=Transfer** to display Inbound Mapper-1 Path Maintenance screen (EDIM832).

The next few screens will allow you to set up the mapping parameters needed for the verification process.

```
EDIM832 __________      INBOUND MAPPER-1 PATH MAINTENANCE       XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 302M  ____________________________________________

Application Data ID....: __________ (Application Data File Or ##INSTREAM)
EDI Data Print SW......: _          (Y = Print First 80 Characters)
Startup User Exit......: _______    (User Program Executed at Start)
End User Exit..........: _______    (User Program Executed at End)
Decimal Notation ......: _          (,=Comma is decimal)
Databank Proc Level....: _          (0=No/1=Full/2=Dir/3=Partner)
Alt. Appl. Real Switch.: _          (Y=Right Justify Real Numbers)
Float NTE Ind..........: _          (Y=NTE Float)
Print Report Switch....: N          (Y/N)
Write Application......: Y          (Y/N)       ****************************
                                                * Transfer to: _            *
Last Update Date:                               * 1. Mapper-2 Parameters    *
            Time:                               * 2. Mapper-3 Parameters    *
            User:                               * 3. Editor Parameters      *
                                                ****************************
NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
              PF8=Map2 PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302M)
(Description)	Structure Inbound Test
Application Data ID	INVFILEF
Databank Proc. Level	1
Write Application	Y

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM832 __________      INBOUND MAPPER-1 PATH MAINTENANCE       XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 302M  STRUCTURE_INBOUND_TEST_____________________

Application Data ID....: INVFILEF__ (Application Data File Or ##INSTREAM)
EDI Data Print SW......: _          (Y = Print First 80 Characters)
Startup User Exit......: _______    (User Program Executed at Start)
End User Exit..........: _______    (User Program Executed at End)
Decimal Notation ......: _          (,=Comma is decimal)
Databank Proc Level....: 1          (0=No/1=Full/2=Dir/3=Partner)
Alt. Appl. Real Switch.: _          (Y=Right Justify Real Numbers)
Float NTE Ind..........: _          (Y=NTE Float)
Print Report Switch....: N          (Y/N)
Write Application......: Y          (Y/N)       ****************************
                                                * Transfer to: _            *
Last Update Date: 06/01/11                      * 1. Mapper-2 Parameters    *
            Time: 12:00:00                      * 2. Mapper-3 Parameters    *
            User: XXX                           * 3. Editor Parameters      *
                                                ****************************
PATH RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
              PF8=Map2 PF9=Add PF10=Updt PF11=Del
```

- Type **2** in the **Transfer to** field and press **PF5=Transfer** to display the Inbound Mapper-3 Path Maintenance screen (EDIM837).

```
EDIM837 __________      INBOUND MAPPER-3 PATH MAINTENANCE       XXX  06/01/2011
                                                                      12:00:00

Path ID.............: 302M  STRUCTURE INBOUND TEST

Structure:
      Standard Type......: _   (F=Fixed/V=Variable)
      DBK Level..........: _   (0=No/1=Full/2=Dir)

Viewpoint:
      User Tracking......: N   (Y/N)
      Exception Tracking.: N   (Y/N)
      Tracking Management: N   (Y/N)




                                                 Last Update Date: 06/01/11
                                                             Time: 12:00:00
                                                             User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Shell
      PF7=Map2 PF8=Map1         PF10=Updt
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(302M)
Standard Type	F
DBK Level	1

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM837 __________      INBOUND MAPPER-3 PATH MAINTENANCE       XXX  06/01/2011
                                                                       12:00:00

Path ID.............: 302M  STRUCTURE INBOUND TEST

Structure:
      Standard Type......: F   (F=Fixed/V=Variable)
      DBK Level..........: 1   (0=No/1=Full/2=Dir)

Viewpoint:
      User Tracking......: N   (Y/N)
      Exception Tracking.: N   (Y/N)
      Tracking Management: N   (Y/N)




                                                  Last Update Date: 06/01/11
                                                              Time: 12:00:00
                                                              User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir                     PF6=Shell
      PF7=Map2 PF8=Map1         PF10=Updt
```

❑ Press **PF3=Exit** to return to the System Maintenance menu.

```
EDIM801 8.1_______            SYSTEM MAINTENANCE            XXX    06/01/2011
                                                                    12:00:00

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

                 __    1.   System Options
                       2.   Immediate Directory
                       3.   Immediate Options
                       4.   Queue Directory
                       5.   Queue Options
                       6.   Schedule Directory
                       7.   Schedule Options
                       8.   Path Options Directory
                       9.   Path Options Maintenance
                      10.   Online Copy Maintenance
                      11.   Databank Parameter Maintenance
                      12.   Acknowledgment Parameter Maintenance


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

Completed by: _____

Date: _____ **Time:**_____

Adding Immediate Options and Path Options for Inbound Splitter Test

Step 8 Add the Immediate Options and Path Options for Option 301.

Typically performed by: System Installer

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

❑ From the System Maintenance Menu, type **3** to select Immediate Options. The Immediate Options screen displays.

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                      12:00:00


Immediate Number........: 200    GENTRAN:REALTIME_(OUTBOUND_IVP_TEST)____
                                 X12_TEST_DATA_______________________________

Immediate Status........: E      E = Enabled   D = Disabled
Immediate Trace.........: E      E = Enabled   D = Disabled

Path Option ID..........: 200
Active Path.............: E      E = Enabled   D = Disabled
Max Threads.............: 1      Numeric Range 1 - 9
Big Intchg Cutoff.......: ____   Numeric Range 1000 - 9999

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

Enter PF1=Help            PF3=Exit PF4=Dir                       PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Immediate Number	301
(Description)	Structure Inbound Fixed Var Splitter
Immediate Status	E
Immediate Trace	D
Path Options ID	301
Active Path	E
Max Threads	1

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM811 8.1.3_____              IMMEDIATE OPTIONS              XXX  06/01/2011
                                                                     12:00:00


Immediate Number.........: 301    STRUCTURE_INBOUND_FIXED_VAR_SPLITTER____
                                  ________________________________________

Immediate Status.........: E      E = Enabled   D = Disabled
Immediate Trace..........: D      E = Enabled   D = Disabled

Path Option ID...........: 301
Active Path..............: E      E = Enabled   D = Disabled
Max Threads..............: 1      Numeric Range 1 - 9
Big Intchg Cutoff........: ____   Numeric Range 1000 - 9999

Error User Exit Program.: ________
Error User Exit Data....: ____________________
                                                Last Update Date: 06/01/11
                                                            Time: 12:00:00
                                                            User: XXX
IMMEDIATE RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir                    PF6=Path Opt
      PF7=Bwd  PF8=Fwd  PF9=Add PF10=Updt PF11=Del
```

- ❑ Press **PF6=Path Opt** to exit to the General Shell Path Maintenance screen. The next few screens will be used to set up the Shell Path processing for the Immediate Option.

```
EDIM831 8.1.9_____     GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                     12:00:00
Path ID..............: 301S  ____________________________________________
Process Indicator...: _    (I=Inbound/O=Outbound)
Step................: _    (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ****************************
   User Pgm.........: ________               * Transfer to: _            *
   TSQ Name.........: ________               *                           *
   Queue File Nbr...: ___                    *                           *
                                             *                           *
Error Handling:                              *                           *
   Exception Pgm....: ________               *                           *
Reporting:                                   *                           *
   Description......: ________________       *                           *
   Suppress Rpts....: _                      *                           *
Storage Performance:                         *                           *
   MAP Store Sw.....: _                      ****************************

Last Update Date....:           Time:           User:
NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                        PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(301S)
(Description)	Structure Inbound Splitter Test
Process Indicator	I
Step	X
Destination User Pgm	***PIM*RTOUT** Where ***PIM*** represents the three position program image as indicated in your Pre-installation Worksheet.
Reporting Description	STR SPLITTER

Note: All other fields will remain blank.

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM831 8.1.9_____      GENERAL SHELL PATH MAINTENANCE          XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 301S  STRUCTURE_INBOUND_SPLITTER_TEST_________
Process Indicator...: I   (I=Inbound/O=Outbound)
Step................: X   (M=Mapr/E=Editr/B=Both/X=eXtd/A=Appl)
Current Steps...
Destination of Translated data:              ****************************
   User Pgm.........: EDIRTOUT               * Transfer to: _            *
   TSQ Name.........: ________               * 1. Additional Shell Parms *
   Queue File Nbr...: ___                    * 2. Translation Steps      *
                                             * 3. Mapper Parameters      *
Error Handling:                              * 4. Editor Parameters      *
   Exception Pgm....: ________               * 5. CONNECT Parameters     *
Reporting:                                   * 6. Inbound Appl Extract   *
   Description......: STR_SPLITTER___        * 7. Acknowledgements       *
   Suppress Rpts....: _                      * 8. Structure Steps        *
Storage Performance:                         *                           *
   MAP Store Sw.....: _                      ****************************

Last Update Date....: 06/01/11  Time: 12:00:00  User: XXX
PATH RECORD ADDED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer
                        PF9=Add PF10=Updt PF11=Del
```

❑ Type **8** in the **Transfer to** field and press **PF5=Transfer** to display the Additional Shell Steps Maintenance screen (EDIM84F).

```
EDIM84F __________  ADDITIONAL SHELL STEPS MAINTENANCE         XXX  06/01/2011
                                                                      12:00:00
Path ID.............: 301S  STRUCTURE INBOUND SPLITTER TEST
Inbound Flow
  Utilities:                        (1=Yes/0=No)
     Inbound CONNECT API.............: _        ****************************
     Inbound Application Extract......: _       * Transfer to: _           *
                                                * 1. Translation Steps     *
                                                * 2. Mapper Parameters      *
  Structure:                                    * 3. Editor Parameters      *
     Fixed/Variable Splitter..........: _       * 4. CONNECT Parameters     *
     Format Specific Compliance Chkr..: ________ * 5. Inbound Appl Extract  *
     NCPDP Reformat...................: _       * 6. Structure Pre-Proc     *
     Pre-Processor....................: _       * 7. Structure Splitter     *
  Advantage:                                    *                          *
     Wire Post-Processor..............: _       ****************************
        Wire Ack Option...(824w997)...: ___
        Wire Ack Option...(997 only)..: ___        Last Update Date: 06/01/11
     Stats Post-Processor.............: _                      Time: 12:00:00
                                                               User: XXX

Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	(301S)
Fixed / Variable Splitter	1

Note: All other fields will remain blank.

❑ Press **PF10=Updt** to update the data.

Verify that the screen appears as follows:

```
EDIM84F __________  ADDITIONAL SHELL STEPS MAINTENANCE         XXX  06/01/2011
                                                                     12:00:00
Path ID.............: 301S  STRUCTURE INBOUND SPLITTER TEST
Inbound Flow
  Utilities:                        (1=Yes/0=No)
     Inbound CONNECT API.............: _        ****************************
     Inbound Application Extract......: _       * Transfer to: _           *
                                                * 1. Translation Steps     *
                                                * 2. Mapper Parameters      *
  Structure:                                    * 3. Editor Parameters      *
     Fixed/Variable Splitter..........: 1       * 4. CONNECT Parameters     *
     Format Specific Compliance Chkr..: ________ * 5. Inbound Appl Extract  *
     NCPDP Reformat...................: _       * 6. Structure Pre-Proc     *
     Pre-Processor....................: _       * 7. Structure Splitter     *
  Advantage:                                    *                          *
     Wire Post-Processor..............: _       ****************************
        Wire Ack Option...(824w997)...: ___
        Wire Ack Option...(997 only)..: ___        Last Update Date: 06/01/11
     Stats Post-Processor.............: _                      Time: 12:00:00
                                                               User: XXX
PATH RECORD UPDATED
Enter PF1=Help            PF3=Exit PF4=Dir        PF5=Transfer   PF6=Shell
                                PF10=Updt
```

- Type **7** in the **Transfer to** field and press **PF5=Transfer** to display the Fixed/Variable Splitter Path Maintenance screen (EDIM841). This screen will be used to set up processing parameters for the Fixed/Variable Splitter program (EDIR094).

```
EDIM841 __________  FIXED/VARIABLE SPLITTER PATH MAINTENANCE   XXX  06/01/2011
                                                                     12:00:00

Path ID.....................:  301F  ________________________________________

Compord Dest................:  ___   Immediate Option or Queue File Number
EDI Variable Dest...........:  ___   Immediate Option or Queue File Number
Fixed Gencod Dest...........:  ___   Immediate Option or Queue File Number
Fixed GM Dest...............:  ___   Immediate Option or Queue File Number
Other Fixed Dest............:  ___   Immediate Option or Queue File Number
Report Print Sw.............:  _     0 = No, 1 = Print

Last Update Date............:
            Time............:
            User............:




NO PATH RECORD FOUND
Enter PF1=Help            PF3=Exit PF4=Dir                      PF6=Shell
                       PF9=Add PF10=Updt PF11=Del
```

❑ Fill in the required information as follows:

Field	Type this:
Path ID	301F
(Description)	Structure Inbound Splitter
Compord Dest	000
EDI Variable Dest	000
Fixed Gencod Dest	000
Fixed GM Dest	000
Other Fixed Dest	302
Report Print SW	0

❑ Press **PF9=Add** to add the data.

Verify that the screen appears as follows:

```
EDIM841 _________  FIXED/VARIABLE SPLITTER PATH MAINTENANCE   PRW  06/01/2011
                                                                    12:00:00

Path ID.....................:  301F  STRUCTURE_INBOUND_SPLITTER___________

Compord Dest................:  000   Immediate Option or Queue File Number
EDI Variable Dest...........:  000   Immediate Option or Queue File Number
Fixed Gencod Dest...........:  000   Immediate Option or Queue File Number
Fixed GM Dest...............:  000   Immediate Option or Queue File Number
Other Fixed Dest............:  302   Immediate Option or Queue File Number
Report Print Sw.............:  0     0 = No, 1 = Print

Last Update Date............:  06/01/11
            Time............:  12:00:00
            User............:  XXX




PATH RECORD ADDED
Enter PF1=Help           PF3=Exit PF4=Dir                      PF6=Shell
                       PF9=Add PF10=Updt PF11=Del
```

❑ Press **PF3=Exit** to exit the system.

Completed by: _____

Date: _____ **Time:**_____

Inbound Process

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

Step 9 Execute the inbound process.

Initiating the CICS transactions in this step executes a complete flow of the following programs:

- Inbound Fixed/Variable Split (EDIR094)
- Inbound Pre-Processor (EDIR083)
- Inbound Mapper (EDIR041)

The programs listed above use the test data, partner profiles and maps provided on the installation tape.

Typically performed by: System Installer

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

❑ From a clear CICS screen, type the following to execute EDIR094:

```
SIMTI 301F
```

Where ***SIM*** represents the three-character system image as indicated on your Pre-installation Worksheet.

Note: Upon completion of this task, CICS starts another task using Immediate Option 302. This task occurs because you designated **`Option 302`** in the Other Fixed Destination field on the Fixed/Variable Format Splitter Path Maintenance screen in "Adding Test Options" on page 4-20.

❑ Verify that return codes are zeroes.

Note: Gentran 687 mapping errors occur when running the installation verification. The segments for the trailers have not yet been defined. These segments will be defined in the Structure tutorial (see the *IBM® Sterling Gentran:Structure® for z/OS® Release 6.6 User Guide* for more information). A condition code of 4 occurs in inbound mapping. This code is normal. The mapping results are unaffected.

❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **`SPLITR`** and a Description of **`STR SPLITTER`**, and press **PF5=Action**.

Compare your report with the following sample reports.

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0000515 Process Name: SPLITR
Search.: _____________________         Line Increment: ____ Job Name: ________

 EDIR094     RUN 06/01/2011      TIME 12:00      SUMMARY REPORT - FIXED/VARIA+
PROGRAM EDIR094  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6

 DATA FORMAT                              DESTINATION
 COMPORD FIXED FORMAT------------------- 000
 VARIABLE FORMAT EDI-------------------- 000
 GENCOD FIXED FORMAT-------------------- 000
 GM FIXED FORMAT------------------------ 000
 OTHER FIXED FORMAT--------------------- 302

 RTE PROCESSES STARTED
 OTHFIX IMMEDIATE OPTION STARTED
 PROCESSING BEGAN ON                     06/01/2011 AT 12:00 PM.


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0000515 Process Name: SPLITR
Search.: _____________________         Line Increment: ____ Job Name: ________
 PROCESSING BEGAN ON                     06/01/2011 AT 12:00 PM.
 INPUT RECORDS READ--------------------                   17
 COMPORD RECORDS WRITTEN----------------                   0
 EDI VARIABLE RECORDS WRITTEN-----------                   0
 GENCOD RECORDS WRITTEN-----------------                   0
 GM DATA RECORDS WRITTEN----------------                   0
 OTHER FIXED DATA RECORDS WRITTEN-------                  17
 PROCESSING ENDED NORMALLY ON            06/01/2011 AT 12:00 PM.
 PROGRAM RETURN CODE--------------------                   0









END OF ONLINE REPORTS
Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

- ❑ Verify that return codes are zeroes.
- ❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **PREPRO** and a Description of Pre-Processor, and press **PF5=Action**.

  Compare your reports with the following sample reports.

Pre-Processor Report Part 1

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                    12:00:00

Task ID: 0000546 Process Name: PREPRO
Search.: _____________________         Line Increment: ____ Job Name: ________

 EDIR083     RUN 06/01/2011      TIME 12:00    GENTRAN:STRUCTURE DATA PRE-PRO+
PROGRAM EDIR083  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
 ERROR  **RECORD**
 NUMBR    NBR ID               INFORMATION               ERROR MESSAGE
 NO ERRORS OCCURRED DURING PROCESSING
PROCESSING ENDED NORMALLY - PROCESSING COUNTS BELOW
                             INPUT RECORDS READ--------------      17
                             INPUT RECORDS SUSPENDED---------       0
                             OUTPUT RECORDS WRITTEN----------      22
                             PROGRAM RETURN CODE-------------       0
 EDIR083     RUN 06/01/2011      TIME 12:00    PROCESSING OPTIONS - GENTRAN:S+
 INPUT FILE ORGANIZATION IS--------------FIXED
 INPUT FILE RECORD LENGTH IS-------------00080


Enter PF1=Help PF2=Sum    PF3=Exit               PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Pre-Processor Report Part 2

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                    12:00:00

Task ID: 0000546 Process Name: PREPRO
Search.: _____________________         Line Increment: ____ Job Name: ________
 INPUT FILE RECORD LENGTH IS-------------00080
 TRADING PROFILE MODE IS-----------------PARTNER QUALIFIER
 DATABANKING LEVEL IS--------------------DATABANK FULL
 ENVELOPE LEVEL IS-----------------------INTERCHANGE
 DATA SEPARATION IS----------------------NOT DEFINED
 APPLICATION USER REFERENCE PARM---------IRN       00078030000123
 EDIR083     RUN 06/01/2011      TIME 12:00    SUMMARY REPORT - GENTRAN:STRUC+
 PROCESSING BEGAN ON 06/01/11 AT 12:00 PM.
 INPUT RECORDS READ----------------------                  17
 INTERCHANGE ENVELOPES READ--------------                   1
 GROUP ENVELOPES READ--------------------                   0
 TRANSACTION ENVELOPES READ--------------                   1
 MAP RECORDS WRITTEN---------------------                   5
 OUTPUT RECORDS WRITTEN------------------                  22


Enter PF1=Help PF2=Sum    PF3=Exit               PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Note: If you are processing in Relationship mode, the system displays the value **`Relationship`** in the Trading Profile Mode field of the report.

Pre-Processor Report Part 3

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                    12:00:00

  Task ID: 0000546 Process Name: PREPRO
  Search.: _____________________          Line Increment: ____ Job Name: ________
   OUTPUT RECORDS WRITTEN-----------------                  22
   DATABANK RUN NUMBER--------------------            000000008
   DIRECTORY RECORDS WRITTEN--------------                   1
   MESSAGE STORE RECORDS WRITTEN----------                  17
   RECORDS SUSPENDED----------------------                   0
   PROCESSING ENDED ON 06/01/11 AT 12:00 PM.









  END OF ONLINE REPORTS
  Enter PF1=Help PF2=Sum    PF3=Exit               PF5=Print      PF6=NxtEr
        PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

- ❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **EDI41E** and a Description of Pre-Processor, and press **PF5=Action**.

Mapper Report Part 1

```
  EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                    12:00:00

  Task ID: 0000546 Process Name: EDI41E
  Search.: _____________________          Line Increment: ____ Job Name: ________
   EDIR041     RUN 06/01/2011      TIME 12:00      ERRORS ENCOUNTERED MAPPING I+
  PROGRAM EDIR041  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
   ERROR     **RECORD**        FIELD  SEG  ELE
   NUMBR       NBR ID          SEQ #  ID   SEQ  INFORMATION   ERROR MESSAGE
   ***** APPLICATION DEFINITION - INVFILEF - LOADED *****
   ***** TRANSACTION DEFINITION - JASSIN - LOADED *****
   INTERCHANGE: LAWNVEND                              QUAL:      CONTROL NO: 0000+
   GROUP      : LAWNVEND                              QUAL:      CONTROL NO:
   TRANSACTION: 0926                                             CONTROL NO: 0000+
     687         20                              TTR        SEGMENT RECEIVED NOT+

     687         21                              PTR        SEGMENT RECEIVED NOT+

  PROCESSING ENDED WITH ERRORS - PROCESSING COUNTS BELOW
                                 EDI RECORDS READ---------22

  Enter PF1=Help PF2=Sum    PF3=Exit               PF5=Print      PF6=NxtEr
        PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Note: If you are processing in Relationship mode, your report will look a slightly different than the one displayed here. Specifically, the value in the Interchange field will be "YOUR COMPANY" and the value in the Group field will be "YOUR COMPANY."

Mapper Report Part 2

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0000546 Process Name: EDI41E
Search.: _____________________         Line Increment: ____ Job Name: ________

                              EDI RECORDS READ ---------------       22
                              EDI RECORDS SUSPENDED ---------        0
                              APPLICATION RECORDS WRITTEN ----       14
                              RETURN-CODE FOR MAPPING -------        4









END OF ONLINE REPORTS
Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

- ❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **EDI41S** and a Description of Pre-Processor, and press **PF5=Action**.

Report 3 Part 1

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002330 Process Name: EDI41S
Search.: _____________________         Line Increment: ____ Job Name: ________
 EDIR041     RUN 06/01/2011      TIME 12:00      PROCESSING OPTIONS FOR MAPPI+
PROGRAM EDIR041  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDID452  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDIR043  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDIR044  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
 APPLICATION TO PROCESS------------------INVFILEF
 USER EXIT VERSION SUPPORTED-------------1
 APPLICATION DECIMAL INDICATOR IS--------.
 RIGHT JUSTIFY ALL APPLICATION REALS-----N
 HANDLE FLOATING NOTES WITHIN A SECTION--N
 DATABANK PROCESSING CONFIGURATION-------DIRECTORY AND MESSAGE STORE
 DATABANK PROCESSING LEVEL---------------DIRECTORY AND MESSAGE STORE
 DATABANK RUN NUMBER---------------------00000011
 DIRECTORY POSTING OPTION----------------POST SENDER ONLY


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Report 3 Part 2

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002330 Process Name: EDI41S
Search.: _____________________          Line Increment: ____ Job Name: ________
 DIRECTORY POSTING OPTION----------------POST SENDER ONLY
 PARTNER PROFILE MODE--------------------PARTNER/QUALIFIER MODE
 PRINT PARTNER NAME ----------------------N
 WRITE APPLICATION RECORDS---------------Y
 REALTIME PROCESSING OPTION--------------302
 REALTIME PROCESSING PATH----------------302
 REALTIME PRINT REPORT SWITCH------------NO
 BUSINESS DOCUMENT TRACKING--------------N
 SUPPORT SINGLE QUOTE --------------------N
 VERIFY PARTNER SPECIFIC MAP VERSION-----N
 GENTRAN:STRUCTURE-----------------------ENABLED
 EDIR041     RUN 06/01/2011      TIME 12:00      SUMMARY CONTROL COUNTS MAPPI+
 PROCESSING BEGAN ON 06/01/2011 AT 12:00 PM.
 INTERCHANGES READ ----------------------                    1


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Note: If you are processing in Relationship mode, the value in the Directory Posting Option field is **`Post User/ Partner`** and the Partner Profile Mode field is **`Relationship Mode`**.

Report 3 Part 3

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002330 Process Name: EDI41S
Search.: _____________________          Line Increment: ____ Job Name: ________
 INTERCHANGES READ ----------------------                    1
 GROUPS READ ----------------------------                    0
 TRANSACTIONS READ ----------------------                    1
 SEGMENTS READ --------------------------                   15
 CHARACTERS READ ------------------------                3,615
 DOCUMENTS STORED ON DATA BANK ----------                    1
 RECORDS STORED ON DATA BANK ------------                   14
 APPLICATION DOCUMENTS WRITTEN ----------                    1
 APPLICATION RECORDS WRITTEN ------------                   14
 APPLICATION CHARACTERS WRITTEN ---------                1,120
 DOCUMENTS SUSPENDED --------------------                    0
 RECORDS SUSPENDED ----------------------                    0
 CHARACTERS SUSPENDED -------------------                    0
 NUMBER OF APPLICATIONS PROCESSED -------                    1


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Report 3 Part 4

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002330 Process Name: EDI41S
Search.: ____________________          Line Increment: ____ Job Name: ________
 NUMBER OF APPLICATIONS PROCESSED ------                    1
 NUMBER OF MAP DEFINITIONS PROCESSED ---                    1
 NUMBER OF TRADING PARTNERS PROCESSED --                    1
 PROCESSING ENDED ON 06/01/2011 AT 12:00 PM.
**** END OF SUMMARY REPORT ***









END OF ONLINE REPORTS
Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Completed by:_____

Date: _____ **Time:**_____

Outbound Process

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

Step 10 Execute the outbound process.

Initiating the CICS transaction in this step executes a complete flow of the Outbound Mapper program (EDIR042), which uses the test data, partner profiles and maps provided on the installation tape.

Typically performed by: Application Programmer

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

❑ From a clear CICS screen, type the following to execute EDIR042:

***SIM*TO 300F**

Where ***SIM*** represents the three-character system image as indicated on your Pre-installation Worksheet.

❑ Verify that return codes are zeroes.

❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **EDI42E** and a Description of **Fixed-Env Gen**, and press **PF5=Action**.

Compare your report with sample report that follows.

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42E
Search.: ____________________         Line Increment: ____ Job Name: ________
 EDIR042     RUN 06/01/2011      TIME 12:00      ERRORS ENCOUNTERED MAPPING O
 ERROR  **RECORD**         FIELD SEG  ELE
 NUMBR    NBR ID           SEQ # ID   SEQ INFORMATION   ERROR MESSAGE
 ***** APPLICATION DEFINITION - POFILEF - LOADED *****
 ***** TRANSACTION DEFINITION - JASSPO - LOADED *****
 NO ERRORS OCCURRED DURING PROCESSING
 PROCESSING ENDED NORMALLY - PROCESSING COUNTS BELOW
                              APPLICATION RECORDS READ ------      20
                              APPLICATION RECORDS SUSPENDED -       0
                              TOTAL RECORDS WRITTEN ---------       0
                              FIXED DATA SEGMENTS WRITTEN ---      16
                              RETURN CODE FOR MAPPING -------       0



END OF ONLINE REPORTS
Enter PF1=Help PF2=Sum    PF3=Exit               PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

❑ On the Report Selection screen (EDIM310), select the report that has a Process Name of **EDI42S** and a Description of **Fixed-Env Gen**, and press **PF5=Action**.

Mapper Summary Report Part 1

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42S
Search.: _____________________          Line Increment: ____ Job Name: ________
 EDIR042     RUN 06/01/2011      TIME 12:00      PROCESSING OPTIONS FOR MAPPI+
PROGRAM EDIR042  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDID562  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDIR043  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
PROGRAM EDIR045  COMPILED ON 06/01/11 AT 12.00.00   VERSION 6.6
 APPLICATION TO PROCESS------------------POFILEF
 USER EXIT VERSION SUPPORTED-------------1
 APPLICATION DECIMAL INDICATOR IS--------.
 DATABANK PROCESSING CONFIGURATION-------DIRECTORY AND MESSAGE STORE
 DATABANK PROCESSING LEVEL---------------NO DATABANK
 DATABANK RUN NUMBER---------------------00000000
 PARTNER PROFILE MODE--------------------PARTNER/QUALIFIER MODE
 PARTNER PROCESSING SEQUENCE-------------SEARCH PARTNER FILE
 DIRECTORY POSTING OPTION----------------POST RECEIVER ONLY


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Note: If you are processing in Relationship mode, the value in the Partner Profile Mode field is **`Relationship Mode`** and Directory Posting Option field is **`Post User/ Partner`**.

Mapper Summary Report Part 2

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42S
Search.: _____________________          Line Increment: ____ Job Name: ________
 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
 GENTRAN:STRUCTURE-----------------------ENABLED
   OUTPUT SEGMENT TYPE ------------------F
   OUTPUT SEGMENT LENGTH ----------------00080
   STRUCTURE DATABANKING LEVEL-----------FULL
   STRUCTURE DATABANK RUN NUMBER---------00000008
 EDIR042     RUN 06/01/2011      TIME 12:00      PROCESSING OPTIONS FOR ENVEL+
 NO ENVELOPE PARAMETERS SPECIFIED -------


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Mapper Summary Report Part 3

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42S
Search.: _____________________         Line Increment: ____ Job Name: ________
 GENTRAN:REALTIME PARAMETERS-------------ENABLED
 REALTIME PROCESSING OPTION--------------300
 REALTIME PROCESSING PATH----------------300
 REALTIME PRINT REPORT SWITCH------------NO
 EDIR042     RUN 06/01/2011      TIME 12:00      SUMMARY CONTROL COUNTS MAPPI+
 PROCESSING BEGAN ON 06/01/2011 AT 12:00 PM.
 SEQUENTIAL INPUT DOCUMENTS READ -------                    1
 SEQUENTIAL INPUT RECORDS READ ---------                   20
 SEQUENTIAL INPUT CHARACTERS READ ------                5,000
 DOCUMENTS STORED ON DATA BANK ---------                    0
 RECORDS STORED ON DATA BANK -----------                    0
 DOCUMENTS REPROCESSED -----------------                    0
 RECORDS REPROCESSED -------------------                    0



Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Mapper Summary Report Part 4

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42S
Search.: _____________________         Line Increment: ____ Job Name: ________
 RECORDS REPROCESSED -------------------                    0
 CHARACTERS REPROCESSED ----------------                    0
 DOCUMENTS SUSPENDED -------------------                    0
 RECORDS SUSPENDED ---------------------                    0
 CHARACTERS SUSPENDED ------------------                    0
 EDI DOCUMENTS GENERATED ---------------                    0
 EDI PACKAGES GENERATED  ---------------                    0
 TOTAL RECORDS WRITTEN -----------------                    0
 FIXED DATA DOCUMENTS GENERATED --------                    1
 FIXED DATA SEGMENTS GENERATED ---------                   16
 FIXED DATA CHARACTERS GENERATED -------                2,372
 NUMBER OF APPLICATIONS PROCESSED ------                    1
 NUMBER OF MAP DEFINITIONS PROCESSED ---                    1
 NUMBER OF TRADING PARTNERS PROCESSED --                    1


Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Mapper Summary Report Part 5

```
EDIM311 __________   GENTRAN:Realtime EDI REPORT DISPLAY     XXX    06/01/2011
                                                                      12:00:00

Task ID: 0002392 Process Name: EDI42S
Search.: ____________________          Line Increment: ____ Job Name: ________
 NUMBER OF TRADING PARTNERS PROCESSED --                   1
 PROCESSING ENDED ON 06/01/2011 AT 12:00 PM.
**** END OF SUMMARY REPORT ***









END OF ONLINE REPORTS
Enter PF1=Help PF2=Sum    PF3=Exit                PF5=Print      PF6=NxtEr
      PF7=Bwd  PF8=Fwd          PF10=Left PF11=Rgt PF12=Top   PF13=Bot
```

Completed by:_____

Date: _____ **Time:** _____

This concludes the system verification procedure. At the conclusion of system verification, you may delete the immediate options 300, 301, and 302.

Chapter

5

Converting to Release 6.6

Overview

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

This chapter contains the following topics related to converting your Release 6.3, 6.4, or 6.5 version of Sterling Gentran:Structure to Release 6.6.

Topic **Page**

Before You Begin

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

This chapter explains the steps involved in converting from Release 6.3, 6.4, and 6.5 to Sterling Gentran:Structure Release 6.6.

Note: Sterling Gentran:Structure Releases 6.3, 6.4, and 6.5 upgrade directly to Release 6.6.

You must complete the installation verification procedure in 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 that are referenced in this chapter are located in **`GENTRAN.V6X6.STR.JCL`** (you may have modified this data set name in "Performing Initial Procedures" in Chapter 3 of this guide.

Converting to Sterling Gentran:Structure Release 6.6

Most of the work required to ready your system for the Sterling Gentran:Structure conversion was completed during the Sterling Gentran:Basic/Realtime Release 6.6 installation. All of the EDI standards files (including fixed-format standards), the Partner file (including generic interchange and group records), mapping files, databank files, the Error Message file, and the CICS Load Library needed for Sterling Gentran:Structure have been created.

During your installation of Sterling Gentran:Structure, you unloaded all of the Sterling Gentran:Structure information required to complete the conversion from Release 6.3, 6.4, or 6.5 to Release 6.6.

Conversion Procedure for Current 6.3 Users

The following procedure converts Sterling Gentran:Structure Release 6.3 to Sterling Gentran:Structure Release 6.6.

- Convert the Sterling Gentran:Structure User Envelope Specification file from Release 6.3 to to Sterling Gentran:Structure Release 6.6. This step copies and renames the current User Envelope Specification file.

Typically performed by: Application Programmer

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

- ❑ Customize JCL member **UPD63**.
- ❑ Close and disable **SIMUENV** in the Release 6.6 CICS environment.

  Where **SIM** is the 3-character system image you indicated on your Pre-installation Worksheet.
- ❑ Submit JCL member **UPD63**.
- ❑ Verify that the job completed with a return code of zero.
- ❑ After the job successfully completes, enable **SIMUENV** in the Release 6.6 CICS environment.

Completed by: _____

Date: _____ **Time:**_____

The conversion procedure to Sterling Gentran:Structure Release 6.6 is now complete. Sterling Gentran:Structure Release 6.6 is available online.

Conversion Procedure for Current 6.4 Users

The following procedure converts Sterling Gentran:Structure Release 6.4 to to Sterling Gentran:Structure Release 6.6.

- Convert the Sterling Gentran:Structure User Envelope Specification file from Release 6.4 to to Sterling Gentran:Structure Release 6.6. This step copies and renames the current User Envelope Specification file.

Typically performed by: Application Programmer

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

- ❑ Customize JCL member **UPD64**.
- ❑ Close and disable **SIMUENV** in the Release 6.6 CICS environment.

  Where **SIM** is the 3-character system image you indicated on your Pre-installation Worksheet.
- ❑ Submit JCL member **UPD64**.
- ❑ Verify that the job completed with a return code of zero.
- ❑ After the job successfully completes, enable **SIMUENV** in the Release 6.6 CICS environment.

Completed by: _____

Date: _____ **Time:**_____

The conversion procedure to Sterling Gentran:Structure Release 6.6 is now complete. Sterling Gentran:Structure Release 6.6 is available online.

Conversion Procedure for Current 6.5 Users

The following procedure converts Sterling Gentran:Structure Release 6.5 to to Sterling Gentran:Structure Release 6.6.

- Convert the Sterling Gentran:Structure User Envelope Specification file from Release 6.5 to to Sterling Gentran:Structure Release 6.6. This step copies and renames the current User Envelope Specification file.

Typically performed by: Application Programmer

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

- ❑ Customize JCL member **UPD65**.
- ❑ Close and disable **SIMUENV** in the Release 6.6 CICS environment.

  Where **SIM** is the 3-character system image you indicated on your Pre-installation Worksheet.
- ❑ Submit JCL member **UPD65**.
- ❑ Verify that the job completed with a return code of zero.
- ❑ After the job successfully completes, enable **SIMUENV** in the Release 6.6 CICS environment.

Completed by: _____

Date: _____ **Time:**_____

The conversion procedure to Sterling Gentran:Structure Release 6.6 is now complete. Sterling Gentran:Structure Release 6.6 is available online.

Chapter

6

Implementing Sterling Gentran:Structure

Overview

This chapter explains the final steps to implement Sterling Gentran:Structure.

This chapter contains the following topics:

Deleting the Files

Following successful installation of Sterling Gentran:Structure, the files that you uploaded to your mainframe and the files that you used to build the permanent Sterling Gentran:Structure files are no longer needed. The instructions in this topic explain how to delete those files to free the disk space that they occupy.

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

Step 1 Customize JCL member **DELFILES**.

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.V6X6**).
- ❑ 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:**_____

Concurrent Processing

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

Note: Review Chapter 8, "Concurrent Processing," in the *IBM® Sterling Gentran:Basic® for for z/OS® Release 6.6 Installation Guide* for additional information.

Step 2 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 that is supplied with CICS. Add a STEPLIB DD statement for the SDFEXCI 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 operating environment.

- ❑ EDID553 Application Databank Inquiry
- ❑ EDBI083 Inbound Pre-processor for Structure

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

- ❑ EDIIAA and EDIOAA statements in JCL that execute the Application Databank Inquiry EDID553
- ❑ EDIIAA, EDIIAS, and EDIIEL statements in JCL that execute the Inbound Pre-processor for Structure EDBI083

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.

- ❑ EDID553 Application Databank Inquiry
- ❑ EDBI083 Inbound Pre-processor for Structure

Completed by: _____

Date: _____ **Time:**_____

You have now completed the Sterling Gentran:Structure installation process.

Appendix A Library Descriptions

Job Control (JCL) Library

New System Installation

DEFSTRUC	Defines Sterling Gentran:Structure files and updates Sterling Gentran:Basic files.
DEFSTRRL	Defines Sterling Gentran:Structure files and updates Sterling Gentran:Basic files for Relationship mode.
DEFSTRTE	Defines Sterling Gentran:Realtime files for verification.
DELFILES	Deletes installation files.
$INDEX	Contains descriptions of all JCL members.
PCSTRFX1	Allocates the Sterling Gentran:Structure Fix Upload file on the mainframe.
PCSTRFX2	Creates Sterling Gentran:Structure fix files.
PCSTRJC1	Allocates the Sterling Gentran:Structure JCL Upload file
PCSTRJC2	Creates Sterling Gentran:Structure JCL file.
PCSTRPD1	Allocate: Sterling Gentran:Structure product upload file.
PCSTRPD2	Unloads Sterling Gentran:Structure from product upload files.

Conversion to 6.6

CHANGES	Reference listing JCL modifications made for Sterling Gentran:Structure 6.6
UPD63	Converts the Sterling Gentran:Structure 6.3 User Envelope file to release 6.6.
UPD64	Converts the Sterling Gentran:Structure 6.4 User Envelope file to release 6.6.
UPD65	Converts the Sterling Gentran:Structure 6.5 User Envelope file to release 6.6.

Online CICS Environment Definition

DEFRDO	Defines CICS resources for Sterling Gentran:Structure.
STRNAME	Renames the CICS load modules with the program image.
STRCICS	Contains the CICS startup JCL DD statements for Sterling Gentran:Structure.
STRRDOF	Contains the CICS resource definitions for files.
STRRDOPM	Contains the CICS resource definitions for programs and mapsets.

Program Execution

STRINB	Executes the inbound fixed-format processing flow.
STROUT	Executes the outbound fixed-format processing flow.
STROUTC	Executes the outbound fixed-format processing flow for concurrency processing.
EXECCOD	Executes the GENCOD Compliance Checker/Enveloper program.
EXECORD	Executes the COMPORD Compliance Checker/Enveloper program.
EXECWRAP	Executes the DATAWRAP program.
EXEC083	Executes the Inbound Pre-Processor program.
EXEC094	Executes the Inbound Fixed/Variable Format Split program.
EXEC553	Executes the Application Databank Inquiry program - Sterling Gentran:Basic Databanks.
EXEC553R	Executes the Application Databank Inquiry program - Sterling Gentran:Realtime Databanks.
EXECPDPI	Executes NCPDP51I, the Inbound File Reformatter program.
EXECPDPO	Executes NCPDP51O, the Outbound File Reformatter program.

Batch Load Library

Translation Processing Programs

COMPORD	Compliance Checker/Enveloper for the COMPORD fixed-format standard
DATAWRAP	Wraps outbound EDI data
EBDI056B	Generates control segments for fixed-format standards
EBDI056D	Generates control segments for fixed-format standards – concurrency
EBDI083	Pre-processor for Inbound data
EBDI094	Inbound Fixed/Variable Format Split program
EDID512	Sterling Gentran:Structure outbound databank I/O program
EDID512C	Sterling Gentran:Structure outbound databank I/O program – concurrency
EDID602	Sterling Gentran:Structure inbound databank I/O program
EDID602C	Sterling Gentran:Structure inbound databank I/O program – concurrency
GENCOD	Compliance Checker/Enveloper for the GENCOD fixed-format standard
NCPDP51I	Inbound fixed record reformatter for NCPDP 5.1
NCPDP51O	Outbound fixed record formatter for NCPDP 5.1

Report Programs

EDID553	Inquiry Report for application data

Online Load Library

Partner Maintenance Programs

EDIX011	Control Information Generic
EDIX034	Group Information GEN/Generic header
EDIX044	Transaction Information GEN/Generic header

Standard Maintenance Programs

EDIX190	User Envelope Specification
EDIX191	Version/Outbound Specification

Databank Maintenance Programs

EDIX192	User Envelope Record Display
EDIX272	Databank Document Directory
EDIX273	Online Document Status
EDIX274	Inbound/Outbound Document Display
EDIX275	Inbound/Outbound Document Status Display
EDIX276	Inbound/Outbound Document Record Display
EDIX277	Inbound/Outbound Document Field Display

Mapping Integration Programs

EDIX516	Transaction Maintenance – Fixed Format (Sterling Gentran:Structure)

Utility Programs

EDIPRSTR	Point Release Number for Sterling Gentran:Structure

Change Audit Programs

EDIX184	Change Audit Status – Structure Standard
EDIX185	Change Audit Detail – Structure Standard

Change Audit Screens

EDIZ184	Change Audit Status – Structure Standard
EDIZ185	Change Audit Detail – Structure Standard

Partner Maintenance Screens

EDIZ011	Control Information Generic
EDIZ034	Group Information Generic
EDIZ044	Transaction Information Generic

Standards Maintenance Screens

EDIZ190	User Envelope Specification
EDIZ191	Version/Outbound Specification

Databank Maintenance Screens

EDIZ192	User Envelope Record Specification
EDIZ272	Databank Document Directory
EDIZ273	Online Document Status
EDIZ274	Inbound/Outbound Document Display
EDIZ275	Inbound/Outbound Document Status Display
EDIZ276	Inbound/Outbound Document Record Display
EDIZ277	Inbound/Outbound Document Field Display

Mapping Integration Screens

EDIZ516	Transaction Maintenance Fixed Format (Sterling Gentran:Structure)

Sterling Gentran:Realtime

EDID562	Sterling Gentran:Structure Outbound Application Databank Interface Subroutine
EDID652	Sterling Gentran:Structure Inbound Application Databank Interface Subroutine
EDIRCMPD	Sterling Gentran:Realtime COMPORD Compliance Checker and Enveloper
EDIRNCPI	Sterling Gentran:Realtime Inbound NCPDP Reformat Program
EDIRNCPO	Sterling Gentran:Realtime Outbound NCPDP Reformat Program
EDIR056B	Sterling Gentran:Structure Mapper Subroutine
EDIR083	Sterling Gentran:Realtime Inbound Pre-Process
EDIR094	Sterling Gentran:Realtime Inbound Fixed/Variable Split Program
EDIR84G	Sterling Gentran:Realtime NCPDP Outbound Parms Maintenance

EDIR840	Sterling Gentran:Realtime Fixed Format Pre-Processor Path Maintenance
EDIR841	Sterling Gentran:Realtime Fixed/Variable Format Splitter Path Maintenance
EDIS84G	Sterling Gentran:Realtime NCPDP Outbound Parms Maintenance Screen
EDIS840	Sterling Gentran:Realtime Fixed Format Pre-Processor Path Maintenance Screen
EDIS841	Sterling Gentran:Realtime Fixed/Variable Format Splitter Path Maintenance Screen

Appendix

B System and Program Image Features

This chapter contains the following topics:

Alternative System Image and Program Image Feature

You may need to run multiple copies of Sterling Gentran simultaneously within a specific CICS region.

Examples

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

The system image and program image features enable you to keep your current Sterling Gentran online application active when situations such as these examples arise. This appendix provides guidelines for using these features.

Replicating the System Image

Each copy, or 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 (for example, EDI or MKT).

When you use the System Image feature, you must first consider the *system image name*. The system image name is determined by the first three characters of the transaction ID that starts the Sterling Gentran:Basic/Realtime system (such as EDI).

Step 1 Set up your system image.

Typically performed by: System Installer

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

- ❑ Refer to your Pre-installation Worksheet in Chapter 2 of this guide for your system image name.

  Note: Make your Sterling Gentran:Structure system image identical to your Sterling Gentran:Basic/Realtime system image.

  Sterling Gentran:Basic/Realtime 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 FCT and DD names for CICS JCL. This transaction name was specified in the System Configuration file.

  Example
  If your system image is **EDI**, then **`SIM`** becomes **`EDI`**.

  See Chapter 6 of the *IBM® Sterling Gentran:Basic® for for z/OS® Release 6.6 Installation Guide* or Chapter 7 of the *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Installation Guide* for information about the System Configuration file.

- ❑ 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:** _____

Replicating the Program Image

The Program Image feature, when used in conjunction with the System Image feature, enables different versions of the Sterling Gentran online software to co-exist within one CICS region. This feature is useful in environments with limited CICS resources in which multiple versions of the Sterling Gentran software are run.

Step 2 Set up your program image.

Typically performed by: System Installer

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

Note: Make your Sterling Gentran:Structure program image identical to your Sterling Gentran:Basic/Realtime program image.

- ❑ Implement the System Image feature first ("Replicating the System Image" on page B-3).

  Note: Although making the system image and program image identical is recommended, it is not mandatory.

- ❑ Copy all Sterling Gentran:Structure CICS load modules into a temporary load library.

- ❑ Browse the Sterling Gentran:Basic/Realtime Configuration file for the correct program image name in the type 0 record.

  See the *IBM® Sterling Gentran:Basic® for for z/OS® Release 6.6 Installation Guide* or the *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Installation Guide* for information on editing the Configuration file.

- ❑ Rename all Sterling Gentran:Structure load modules in the temporary load library. Change the first three characters of each module from **PIM** to the program image name.

  Example
  ***PIM*X000**
  Where ***PIM*** is the program image name. Perform this procedure for all load modules in the library.

  See member **GENTRAN.V6X6.STR.JCL(STRNAME)** for sample **IEBCOPY** JCL.

- ❑ Copy the renamed load modules into the Sterling Gentran:Structure 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 for information.

- ❑ Recycle the CICS region.

Completed by: _____

Date: _____ **Time:** _____

Appendix

C

Sterling Gentran:Structure Files

Data Set Naming Conventions

The following table describes data set naming conventions.

Data Set	Format
Permanent VSAM files	GENTRAN.V6X6.VSAM.?????.????? *Where*: ????? = subsystem-specific
Initial loading sequential files	GENTRAN.V6X6.SEQ.?????.????? *Where*: ????? = subsystem-specific **Note:** Most of these files can be deleted after installation and conversion are complete.
Program output sequential files	GENTRAN.V6X6.PGMxxx.????? *Where*: xxx = program number ????? = function-specific; describes the content
Batch executable load modules	GENTRAN.V6X6.STR.BATCH.LOAD
CICS executable load modules	GENTRAN.V6X6.STR.CICS.LOAD

Production Data Set Names for Sterling Gentran:Structure Release 6.6

Base System Files

User Envelope file	GENTRAN.V6X6.VSAM.STD.EDIUENV

Sterling Gentran:Realtime Test Files

Application Data	GENTRAN.V6X6.RTE.VSAM.FIXAPPL
EDI Data	GENTRAN.V6X6.RTE.VSAM.FIXDAT

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