

IBM Sterling Gentrans:Basic for z/OS

Standards Update Worksheet



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Completing the Standards Update Worksheet

Introduction

Use this procedure to add, replace, and delete versions on your online standards files and to create a new Optimized Table file for inbound/outbound compliance processing.

Transferring Standards Files to the Mainframe

Note: If you are updating standards using the Standards CD-ROM or a download from the Internet, perform **Step 1a**.

If you downloaded standards from the IBM® Sterling Customer Center Web site, perform **Step 1b**.

Step 1a

Transfer files to your PC.

Typically performed by: System Installer

Check the box beside each task as you complete it.

- If you are installing from the Internet, decompress the file that you downloaded to extract the file named **Gentran_Standards.exe**. This launches a self-extracting .zip file that contains all of the standards.
- If you are installing from CD-ROM, insert the Sterling Gentran standards CD-ROM into your computer's CD-ROM drive and locate the file named **Gentran_Standards.exe**. This launches a self-extracting .zip file that contains all of the standards.
- 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 location. It should contain the following files:

File	Description
STD1	The standards file part 1
STD2	The standards file part 2

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File	Description
STDINCL.TXT	A detailed listing of versions included in these files. This file will be used later for space allocations.
PCSTAND1.TXT	The JCL to allocate the target standards file
PCSTAND2.TXT	The JCL to build the sequential standards files
PCSTDCLN.TXT	The JCL to delete the sequential standards files
StandardsWorksheet	Instructions for performing the standards update

Completed by: _____

Date: _____ Time: _____

Step 1b Unload standards data from the Sterling Customer Center Web site.

Typically performed by: System Installer

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

- Locate the file **Gentran_Standards_Vxxxx.zip** on your PC. This is the file you downloaded. The xxxx represents the identifier for the standards package (for example, 5040 for the 005040 package or un06 for D 06A/B package).
- Decompress **Gentran_Standards_Vxxxx.zip**, a self-extracting .zip file that contains all of the standards in this package. This produces **Gentran_Standards_Vxxxx.exe**.
- 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 location. It should contain the following files:

File	Description
STD1	The standards file part 1
STD2	The standards file part 2
STDINCL.TXT	A detailed listing of versions included in these files. This file will be used later for space allocations.
PCSTAND1.TXT	The JCL to allocate the target standards file
PCSTAND2.TXT	The JCL to build the sequential standards files
PCSTDCLN.TXT	The JCL to delete the sequential standards files

Completed by: _____

Date: _____ **Time:** _____

Transferring Standards Files to the Mainframe

Step 2 Upload the standards JCL files to your mainframe.

You must upload the JCL needed to build the sequential standards files on your mainframe.

Typically performed by: System Installer

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

- Perform this upload manually from your PC using FTP configured in an ASCII data transfer mode. The files to be uploaded are:

File	Description
PCSTAND1.TXT	The JCL to allocate the target standards file
PCSTAND2.TXT	The JCL to build the sequential standards files
PCSTDCLN.TXT	The JCL to delete the sequential standards files.

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

Completed by: _____

Date: _____ **Time:** _____

Step 3 Allocate the target standards files on your mainframe.

Before you can upload the standards files to your mainframe, the target files must be pre-allocated by this step.

Typically performed by: System Installer

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

- Customize JCL member **PCSTAND1** that you uploaded in **Step 2**.
- 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 index level (**GENTRAN**).
- 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:** _____

Transferring Standards Files to the Mainframe

Step 4 Upload the standards files from your PC to your mainframe.

Typically performed by: System Installer

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

- Perform this upload manually from your PC using FTP configured in BINARY data transfer mode. The target files on the mainframe must be the files that you allocated in **Step 3**. The files to be uploaded are:

File	Description
STD1	The standards file part 1
STD2	The standards file part 2

- At the completion of the uploads, verify the integrity of the files 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 values are true or an entire file is unreadable, verify that your FTP session was configured in BINARY data transfer mode. Using an incorrect transfer configuration is the most common cause of a problem with an upload.

- If a 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 5 Build the sequential standards files on your mainframe.

This step reads the standards files that you uploaded in the previous step and extracts the files that will be needed to complete the installation of the standards on your mainframe.

Typically performed by: System Installer

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.STDS.PC.SEQ.** followed by the text in the table below (for example, the full name for ASSOC is GENTRAN.STDS.PC.SEQ.ASSOC).

Note: All of the files are used to initially seed the permanent Sterling Gentran:Basic files; you can delete them when the installation is complete.

Data Set Name	Description
ASSOC	Sequential data set used to seed the Standards Association file
ACTIVITY	Sequential data set used to seed the Standards Activity file
VERSION	Sequential data set used to seed the Standards Version file
CODE1	Sequential data set used to seed the Standards Code1 file
CODE2	Sequential data set used to seed the Standards Code2 file
CODE3	Sequential data set used to seed the Standards Code3 file
CODE4	Sequential data set used to seed the Standards Code4 file
ELEMENT	Sequential data set used to seed the Standards Element file
SEGMENT	Sequential data set used to seed the Standards Segment file
SEGDESC	Sequential data set used to seed the Standards Segment Description file
TRANS	Sequential data set used to seed the Standards Transaction file
DICTIONARY	Sequential data set used to seed the Standards Dictionary file
ELEDESC	Sequential data set used to seed the Standards Element Description file

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

- Customize JCL member **PCSTAND2** that you uploaded in **Step 2**.
- 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.

Transferring Standards Files to the Mainframe

- Change the data set names as required by your installation. Change only the first index level (**GENTRAN**).
- 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 6 Back up current VSAM standards files.

Typically performed by: System Installer

Note: Important! You must create sequential backup files for your online standards files BEFORE beginning the standards update process.

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

Using IDCAMS, create sequential backup files for the online standards files.

The following table lists the DD names and record sizes.

DD Name	File Name	Record Size
EDISVER	Version	110
EDISTRN	Transaction	160
EDISSEG	Segment	100
EDISSGD	Segment Description	120
EDISACT	Activity	170
EDISELE	Element	130
EDISELD	Element Description	130
EDISDIC	Dictionary	70
EDISCD1	Code 1	140
EDISCD2	Code 2	140
EDISCD3	Code 3	150
EDISCD4	Code 4	170
EDISASC	Association	80

Completed by: _____

Date: _____ **Time:** _____

Transferring Standards Files to the Mainframe

Step 7 Create sequential data sets for the Standards Update process.

Typically performed by: Application Programmer

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

- Customize the JCL member UPDSTD1.
- Add the appropriate job card.
- Change **DISK** of **UNIT=DISK** as required by your installation.
- Change the text string **XXXXXXXX** to the appropriate volume serial number used at your installation.
- Change the data set names to match your installation's internal requirements. The following list shows the high level portion of the name that should be changed:
 - GENTRAN.V6X?.VSAM For permanent VSAM files
 - GENTRAN.V6X?.SEQ For the sequential files
- Submit the JCL.
- Verify that the job completed with all condition codes less than **8**. Make note of the record counts; they are used in **Step 4** of this procedure. These will be the **Existing** record counts.

Completed by: _____

Date: _____ Time: _____

Step 8 Determine which standards are to be added, replaced, or deleted from your online standards files.

STDINCL.TXT contains a detailed listing of versions included in these files. This listing was extracted from the CD in **Step 1** and can be used to help you determine what versions/actions to be performed by the standards update processes.

Use the chart below to record the versions and actions. The information from this step will be used in **Step 10** to format the input parameters to the UPDSTD2 job.

Typically performed by: EDI Coordinator

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

- Complete the following chart to indicate which versions are to be affected by this standards maintenance run.

Key to Chart:

VERSION: The 12-position Version ID.
AGENCY: The 3-position Agency.
ACTION: ADD = Add a new version.
 REPLACE = Replace an existing version.
 DELETE = Delete an existing version.
BYPASS CODES: Y = Codes should not be unloaded.
 N = Codes should be unloaded.

Version	Agency	Action	Bypass Codes

Completed by: _____

Date: _____ **Time:** _____

Transferring Standards Files to the Mainframe

Step 9 Determine DASD allocations needed for the new online standards files.

See Appendix B, “Determining DASD Standard Space Requirements,” in the *IBM® Sterling Gentran:Basic® for z/OS® Technical Reference Guide* for instructions to help you determine the amount of DASD space you will need for the UPDSTD2 job.

Typically performed by: Application Programmer

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

- Using the Standards report, complete the following chart to record the record counts for versions to be added/replaced during this standards maintenance run.

Log the record counts from your current online standards files under the “Existing” heading. Add the New counts and the Existing counts, and log the result under the “Total” heading.

New											
Version ID	Tran	Seg	Seg Desc	Ele	Ele Desc	Act	Dict	Code 1	Code 2	Code 3	Code 4
Existing											
Version ID	Tran	Seg	Seg Desc	Ele	Ele Desc	Act	Dict	Code 1	Code 2	Code 3	Code 4
Total											
Version ID	Tran	Seg	Seg Desc	Ele	Ele Desc	Act	Dict	Code 1	Code 2	Code 3	Code 4

- Follow the instructions in Appendix B, “Determining DASD Standards Space Requirements” in the *IBM® Sterling Gentran:Basic® for z/OS® Technical Reference Guide* to calculate the amount of DASD space you will need for UPDSTD2. Record your results in the following chart.

File Name	File Type	Tracks
EXTVER	Sequential	
EXTTRN	Sequential	
EXTSEG	Sequential	
EXTSGD	Sequential	

(Continued)		
File Name	File Type	Tracks
EXTELE	Sequential	
EXTELD	Sequential	
EXTDIC	Sequential	
EXTACT	Sequential	
EXTCD1	Sequential	
EXTCD2	Sequential	
EXTCD3	Sequential	
EXTCD4	Sequential	
NEWVER	Sequential	
NEWTRN	Sequential	
NEWSEG	Sequential	
NEWSGD	Sequential	
NEWELE	Sequential	
NEWELD	Sequential	
NEWDIC	Sequential	
NEWACT	Sequential	
NEWCD1	Sequential	
NEWCD2	Sequential	
NEWCD3	Sequential	
NEWCD4	Sequential	
Version	VSAM KSDS	
Transaction	VSAM KSDS	
Segment	VSAM KSDS	
Segment Description	VSAM KSDS	
Element	VSAM KSDS	
Element Description	VSAM KSDS	
Dictionary	VSAM KSDS	
Activity	VSAM KSDS	
Code 1	VSAM KSDS	
Code 2	VSAM KSDS	
Code 3	VSAM KSDS	
Code 4	VSAM KSDS	

Completed by: _____

Date: _____ **Time:** _____

Step 10 Execute the Standards Maintenance JCL.

Typically performed by: Application Programmer

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

- Close and disable the following standards files in the CICS environment where SIM represents your three-character system image:
 - SIMSACT • SIMSCD3 • SIMSELE • SIMSVER
 - SIMSASC • SIMSCD4 • SIMSSEG
 - SIMSCD1 • SIMSDIC • SIMSSGD
 - SIMSCD2 • SIMSELD • SIMSTRN

- Customize the JCL member **UPDSTD2**.
- Add the appropriate job card.
- Change **DISK** of **UNIT=DISK** as required by your installation.
- Change the text string **XXXXXXXX** to the appropriate volume serial number used at your installation.
- Change the data set names to match your installation's internal requirements. The following list shows the high level portion of the name that should be changed:
 - GENTRAN.STDS For sequential standards files
 - GENTRAN.V6X?.VSAM For permanent VSAM files
 - GENTRAN.V6X?.SEQ For the sequential files
 - GENTRAN.V6X?.BATCH.LOAD For the LOADLIB file
 - GENTRAN.V6X?.EXTRACT For sequential extract files
 - GENTRAN.V6X?.PGM038 For Input Parameter file
 - GENTRAN.V6X?.PGM039 For EBDI039 Control file
 - GENTRAN.V6X?.SORTED For sort files

- Update STEP2 in the JCL for Parameter Records Selection.
- Using the chart from **Step 4**, format the Input Parameter records. These records will be sorted in STEP2 and then passed into STEP3 EBDI038.

The parameter layout follows:

Positions	File Content	COBOL Picture	Format	Length	Description
01 – 12	Version ID	X(12)	AN	12	Version ID of standard
13 – 13	Filler	X(01)	AN	01	Filler
14 – 16	Agency	X(03)	AN	03	Agency associated with Version
17 – 17	Filler	X(01)	AN	01	Filler
18 – 24	Action	X(07)	AN	07	ADD = Add new version REPLACE = Replace existing version DELETE = Delete existing version
25 – 25	Filler	X(01)	AN	01	Filler
26 – 26	Bypass Codes	X(01)	AN	01	Y = Do not unload codes N = Codes will be unloaded Space = Codes will be unloaded
27 – 80	Filler	X(54)	AN	54	Filler

- Place parameter records after the SORTIN DD statement in STEP2 of the JCL.

```
//SORTIN DD *
????????????? YYY REPLACE
????????????? YYY REPLACE Y
????????????? YYY ADD
????????????? YYY ADD Y
????????????? YYY DELETE
```

- Change sequential and VSAM space allocations to reflect DASD requirements for versions selected.

Use the chart prepared in the previous step of this procedure to update the SPACE allocations in the JCL.

- The EXTxxx files are created in STEP3.
- The NEWxxx files are created in STEP7.
- The VSAM KSDS files are created in STEP8 through STEP30.

Transferring Standards Files to the Mainframe

- Submit the JCL.
- Verify that the job completed with all condition codes less than **8**. Review the Processing Logs from STEP3 (EBDI038) and STEP7 (EBDI039) of the job to ensure that there were no errors encountered during processing.

Completed by: _____

Date: _____ **Time:** _____

Step 11 Select new transactions for loading to the Optimized Table file.

In order to make the new transactions available to the Inbound and Outbound Sterling Gentran processes, you must select the transactions using the EDIM180 Transactions in Use screen.

See Chapter 3, “The Standards Subsystem,” in the *IBM® Sterling Gentran:Basic® for z/OS® User Guide* for more information about this screen.

Note: Versions that are REPLACED will carry the Select Flags from your previous online standards files.

Typically performed by: Application Programmer

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

- Verify the Select Flags on the **EDIM180 Transaction In Use** screen for all Versions/Transactions that you plan to process through Sterling Gentran.

Completed by: _____

Date: _____ **Time:** _____

Transferring Standards Files to the Mainframe

Step 12 Create new Optimized Table file.

The Selective Standards Download program (EBDI030) builds the Optimized Table file for the Inbound and Outbound Editors. The Optimized Table file is the repository for all information that describes the ASC X12, TDCC, UCS, WINS, ANA, TRADACOMS, ODETTE, and EDIFACT standards. Those versions with transactions selected through the EDIM180 Transaction In Use screen will be processed by this program.

Typically performed by: Application Programmer

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

- Customize the JCL member **EXEC030**.
- Add the appropriate job card.
- Change **DISK** of **UNIT=DISK** as required by your installation.
- Change the text strings **xxxxxxx** and **yyyyyy** to the appropriate volume serial number used at your installation.
- Change the data set names to match your installation's internal requirements. The following list shows the high level portion of the name that should be changed:
 - GENTRAN.V6X?.VSAM For permanent VSAM files
 - GENTRAN.V6X?.SEQ For the sequential files
 - GENTRAN.V6X?.BATCH.LOAD For the LOADLIB file
 - GENTRAN.V6X?.EXTRACT For sequential extract files
 - GENTRAN.V6X?.SORTED For sort files
- Verify that the job completed with all condition codes less than 8.
- Review the Processing Logs from STEP2 EBDI030 to ensure that there were no errors encountered during processing.

Completed by: _____

Date: _____ Time: _____

You have now completed the procedure for maintaining your standards files and creating the Optimized Table file. Proceed to Step 13.

Step 13
(Optional)

Delete sequential standards files.

Once you have completed standards maintenance and no longer need the sequential standards files uploaded from the Standards CD, you may choose to run job PCSTDCLN. This job will delete the standards files that were created during the PCSTAND2 job.

Note: This job is optional and should only be run when you have finished standards maintenance and no longer want to keep the sequential standards files on your system.

Typically performed by: Application Programmer

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

- Customize JCL member **PCSTDCLN** that you uploaded in **Step 2**.
- Add a job card.
- Change the data set names as required by your installation. Change only the first index level (**GENTRAN**).
- Read the comments within the JCL and follow additional instructions.
- Submit the job.
- Verify the job results. You should never receive a return code greater than **0**.

Completed by: _____

Date: _____ **Time:** _____

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