

Supplement #32

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SETTING UP ADDITIONAL TURNOVER® FOR ISERIES ENVIRONMENTS

You can set up one or more additional TURNOVER® for iSeries environments, each one with its own TURNOVER® for iSeries data library. This supplement tells you how to do so.

BEFORE YOU START

Before you decide to set up additional TURNOVER® for iSeries environments, consider these tips:

1. First, **yes**, it is possible to define a second TURNOVER® for iSeries environment that will use its own data library (say SOFTTURND2), created by saving and restoring either your existing SOFTTURND library, or (more likely) the clean data library that is supplied in your TURNOVER® for iSeries installation library.
2. Think about whether you want to set up Wisedesk dynamic updating and escalation processing for any additional environments. Instructions are included.
3. Multiple TURNOVER® for iSeries environments are explained in ***Chapter 5: Additional Installation Topics*** in the ***Getting Started with TURNOVER® for iSeries*** guide. We recommend that you read this information.
4. TURNOVER® for iSeries applications, forms, projects, and so on in the second data library can be separate from those in the first TURNOVER® for iSeries data library. You should be aware, however, that your IBM i libraries can still be accessed from each of the two environments. For this reason, we recommend that IBM i libraries specified in TURNOVER® for iSeries applications in one of the environments should **not** be used in TURNOVER® for iSeries applications in the other environment.
5. Each environment needs a **unique form prefix**. If you plan to have only one additional environment, you might set the new environment's prefix to 50. If you will have two additional environments, you might set their prefixes to 33 and 66, respectively; and so on. Your original TURNOVER® for iSeries environment's prefix always starts at 0 and is incremented automatically from there (unless for some reason it's been manually adjusted in the past).

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6. Once the second environment is set up, you can select the environment by using function key **F22** from the TURNOVER® for iSeries Main Menu. TURNOVER® for iSeries remembers your environment selection the next time you enter TURNOVER® for iSeries. To make sure that the environment name appears in the top right hand corner of the TURNOVER® for iSeries menus, special message files containing message TUR9000 (as described within) are created and specified for each environment defined, to override the company name specified for the base environment.
7. When you select a new environment, some libraries that are used by the previous environment remain in the library list in the new environment. If you have no use for these extra libraries, you should remove them from your library list.

PREPARE THE BASE TURNOVER® FOR ISERIES ENVIRONMENT

(This action prepares you for setting up escalation and Wisedesk dynamic updating in the new environment(s); if you will not be setting that up, then you can skip this step.)

Perform this step once only; do not repeat it for additional environments.

To prepare the base TURNOVER® for iSeries environment, do the following:

- **Move your base environment data queues.** Create (or save and restore) the TSNDMAPI and WDDYNUPD data queues from your TURNOVER® for iSeries product library (SOFTTURN) into your TURNOVER® for iSeries data library (SOFTTURND). **Remove them from the product library afterwards.** These data queues will continue to support your initial TURNOVER® for iSeries environment.
It does no harm to move the data queues, even if you decide later not to set up data queue-dependent processing in your additional environments.
- **Verify the base environment's company name.** The company name for the base environment is controlled by the contents of the *Company Name* field in the TURNOVER® for iSeries global defaults (Main Menu option 8, then option 5).

CREATE YOUR ADDITIONAL ENVIRONMENT(S)

Repeat each of these steps for every additional environment you create. *Sign on as QSECOFR or equivalent*, and do these steps while no one is using TURNOVER® for iSeries.

Step 1. Create a data library for the new environment

CAUTION!

It is important for you to be aware that when you copy your existing data library, you are also copying all the data those libraries contain. This includes all projects and tasks, all forms, checkout history, audit history, and so forth.

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To create a new data library, you can either restore the shipped version of the TURNOVER® for iSeries data library TxxxPRDD from your TURNOVER® for iSeries installation library (where xxx is your release number), OR you can copy the TURNOVER® for iSeries data library used by your base environment.

Restore method: To restore a clean data library from your installation library, do the following:

- A. Create an empty library to restore into:

```
CRTLIB LIB(SOFTTURND2) TYPE(*PROD)
```

- B. Restore the data library shipped with TURNOVER® for iSeries into your new library:

```
RSTOBJ OBJ(*ALL) SAVLIB(TxxxPRDD) DEV(*SAVF)  
SAVF(TxxxINST/DATALIB) MBROPT(*ALL) ALWOBJDIF(*ALL)  
RSTLIB(SOFTTURND2)
```

Replace 'xxx' with the number of your TURNOVER® for iSeries release, such as '100'.

Copy base data library method: To copy the data library for your base TURNOVER® for iSeries environment, save and restore your existing data library (SOFTTURND, if you haven't used a different name). Make sure you move the data queues from SOFTTURN into SOFTTURND as instructed in *Prepare the base TURNOVER® for iSeries environment* on page 3, if you are planning to set up escalation and Wisedesk dynamic updating for that environment.

Step 2. Create a new message file for the environment

Create in the new data library a new (empty) message file, such as TNLENGL2. Add to this message file one message, TUR9000, containing the name of the new environment (17-character maximum). While using this environment, this name will appear in the upper right corner of the TURNOVER® for iSeries panels.

Note: The environment name that you specify in the TUR9000 message can be superseded by the default environment name of another environment. This occurs if you access the TURNOVER® for iSeries global defaults (Main Menu option 8, then option 5), then press F22 (see *Step 5. Enter TURNOVER® for iSeries and select the new environment* on the next page) to select another environment. The name that appears in the upper right corner of panels in the second environment is the default environment name of the first environment.

Step 3. Create a TURNOVER® for iSeries environment record

Add your TURNOVER® for iSeries product environment library (SOFTTURN) and your new environment data library (SOFTTURND2) to your library list. To set up the new environment, type the command **WRKTOENV**; then use **F6** to add a new environment record. Supply a name and description for the new environment, and fill in the new data library and message file names, as shown here:

Product library	SOFTTURN
Data library	SOFTTURND2
Language library	SOFTTURN
Message file	TNLENGL2

Step 4. Set TURNOVER® for iSeries Authorities for the new library

If you have questions about the changes this command will make to your object authority settings, call us *before* you do this step.

For each new environment you are creating, type the following qualified command on a command line:

SOFTTURN/SETTOAUTH SCOPE(*ALL) ENV(*newenvname*)

Press **Enter**.

This command resets the TURNOVER® for iSeries file object authorities for your new environment, and resets the program and owner object authorities for your product library. It has two parameters, *Scope of change* and *Environment*. (The second parameter, *Environment*, appears when you press **F10** on the **Set TURNOVER® for iSeries Object Authority (SETTOAUTH)** panel.) The possible values for these parameters are:

- For *Scope of change*, the possible values are ***ALL** and ***PARTIAL**. ***ALL** (reset the owner and authority of all TURNOVER® for iSeries objects to values recommended by UNICOM Systems, Inc.) is recommended, and is the default. ***PARTIAL** (reset the owner of all TURNOVER® for iSeries objects and set the authority of all objects to the minimum required level) also works for this situation.
- For *Environment*, the possible values are ***ALL** (reset authorities for all TURNOVER® for iSeries environments), ***PRV** (reset authorities for the environment you were in the last time you used TURNOVER® for iSeries), and **environment-name** (reset authorities to a specific TURNOVER® for iSeries environment). (We recommend addressing your new environment specifically to avoid disrupting any work in progress in other environments.)

Step 5. Enter TURNOVER® for iSeries and select the new environment

- Using the TURNOVER command, access the TURNOVER® for iSeries Main Menu. Press **F22** to display the *Environment Selection* panel.
- Select the new environment with a **1**. Press **Enter** to return to the Main Menu. The environment message (TUR9000) should show in the top right corner of the menu.

Step 6. Reset the environment's form number prefix

To avoid having two environments generating duplicate form numbers, you must reset your new environment's form prefix. To do this, run the following command:

```
CHGFORMPRE NEXTPREFIX(*NEXT)
```

to set the environment's form prefix to the next valid, unused prefix. (Refer to the command's online help for additional information, if needed.)

Step 7. Each TURNOVER® for iSeries user must select the environment (once)

- From the TURNOVER® for iSeries Main Menu, each user should use function key **F22** to display the environment selection panel.
- The user should select with a **1** the appropriate environment in which to work and press **Enter** to return to the TURNOVER® for iSeries Main Menu. The environment identification specified in the special message file should appear in the top right corner of the TURNOVER® for iSeries menus.
- TURNOVER® for iSeries will remember the environment selected by the user so that the user will always be brought into the same environment when reentering TURNOVER® for iSeries. It is not necessary to use **F22** again unless the user wants to use a different environment.

Step 8. Set up escalation and Wisedesk dynamic updating (optional)

If you want to take advantage of escalation processing and automatic Wisedesk tree updating in your new environment, you can follow these steps to set it up:

1. Each environment needs its own set of escalation and Wisedesk data queues. After creating your new data library as instructed in step 1 on page 3, create (or save and restore) the TSNDMAPI and WDDYNUPD data queues that are now in your SOFTTURND library into your new environment's data library. (Make sure you have removed the data queues from the SOFTTURN library.)

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2. You will need to run multiple instances of the Enhanced Mail Messenger – one for each additional environment. To set this up, duplicate the HELPDESK *JOB.D. Change its name and add your new data library to its library list. Then edit the TSMTP32.INI file for the second mail messenger instance, find where it lists the HELPDESK job description, and change it to the new one. Make sure that the default HELPDESK job description includes the SOFTTURN.D library so that the first version of the mail messenger will work out of that environment.
3. You will need multiple versions of the TURNESCQ and WISEDESK auto start jobs – one set for each TURNOVER® for iSeries environment you create. To do this, duplicate the job description that is used by each, and change their library lists as appropriate. Then add the second autostart job entries to your system.

Note: Only the Enhanced Mail Messenger program requires additional copies installed for each environment it will support.

Step 9. Confirm your distribution settings (optional)

If you plan to distribute TURNOVER® for iSeries forms from one of the new environments to another computer, then be sure that:

1. The remote computer has an environment record with the same name.
2. Both systems have matching system definitions in the companion environment on the remote computer.

The job descriptions for the autostart jobs TOMSGRCV and TURCRARE in the TSERVER subsystem¹ should contain the TURNOVER® for iSeries product and language libraries (usually SOFTTURN and SOFTTURN.E), but **no data libraries**.

Truly yours,

Technical Support Staff

¹ This is the jobs' location as of Release 5.1. All TURNOVER® for iSeries autostart jobs except TURCRARE are created for you in subsystem TSERVER during the install or upgrade process. (We recommend putting TURCRARE in the same location.) For more information, see the TURNOVER® for iSeries Supplement entitled *Setting Up TURNOVER® for iSeries Autostart Jobs* (#25).