Section B: PCGenesis Backup / Reorganization / Restore

[Topic 3: Adhoc Backup/Restore for PCGenesis Data, V1.0]
## Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Description</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/8/2019</td>
<td>1.0</td>
<td>19.02.00 – Create new document.</td>
<td>D. Ochala</td>
</tr>
</tbody>
</table>
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Overview

The menu option Backup / Restore PCGenesis Data is available on the PCGenesis System Utilities Menu. This option has three functions that will:

1. Create an adhoc backup of both the K:\SECOND VISION files and the SQL Server database tables.
2. Restore a PCGenesisDBx.bak database.
3. Restore the database tables for PCG_D_DB, or PCG_Q_DB, or PCG_SANDBOXQ.

PCGenesis data is split between files contained in the directory K:\SECOND and the SQL Server database tables located in K:\PCGSQldb. It is very important to coordinate the K:\SECOND directory backup with the PCGenesisDBx.bak database backup. One component cannot be backed up and/or restored without the other component, and they must be maintained together.
The PCGenesis production database files are in the following location for Windows Server 2012 or 2016:

- K:\PCGSQLdb\MSSQL13.SQLEXPRESSPCG\MSSQL\DATA\PCGenesisDB.mdf
- K:\PCGSQLdb\MSSQL13.SQLEXPRESSPCG\MSSQL\DATA\PCGenesisDB_log.ldf

The production database files are in the following location for Windows Server 2008 R2:

- K:\PCGSQLdb\MSSQL11.SQLEXPRESSPCG\MSSQL\DATA\PCGenesisDB.mdf
- K:\PCGSQLdb\MSSQL11.SQLEXPRESSPCG\MSSQL\DATA\PCGenesisDB_log.ldf

The full database backup files are in the following location for Windows Server 2012 or 2016:

- K:\PCGSQLdb\MSSQL13.SQLEXPRESSPCG\MSSQL\BACKUP\PCGenesisDBx.bak

The full database backup files are in the following location for Windows Server 2008 R2:

- K:\PCGSQLdb\MSSQL11.SQLEXPRESSPCG\MSSQL\BACKUP\PCGenesisDBx.bak

SECONDX and PCGenesisDBX.BAK: The SECONDX directory is a backup of SECOND that is made during the nightly reorganization (Reorg) process. If a restore of SECOND is needed from the previous day, SECONDX should be used.

The nightly reorganization process also creates a backup of the PCGenesis database. This backup is available in the following directory and should be restored at the same time as SECONDX:

- K:\PCGSQLdb\MSSQL13.SQLEXPRESSPCG\MSSQL\BACKUP\PCGenesisDBX.BAK
Procedure A: Backup PCGenesis Data

Backup PCGenesis Data: The Backup PCGenesis Data function allows the PCGenesis administrator to create an adhoc backup of both the K:\SECOND directories and files and the PCGenesisDB database tables. The PCGenesis administrator must enter a letter between A thru K (inclusive). This will create a database backup with the name PCGenesisDBx.bak where x is the selected letter A thru K. At the same time it will create a backup of the K:\SECOND directory called K:\SECONDx, where x is the selected letter A thru K. This feature will facilitate creating backups of the PCGenesis data that may be needed when the PCGenesis help desk requests a copy of the school district data to be sent to the Ga DOE.

Step | Action
--- | ---
1 | From the Business Applications Master Menu, select 30 (F30 – System Utilities).
The following screen displays:

![System Utilities Screen]

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Select <strong>12</strong> (<strong>F12</strong> – Backup/Restore PCGenesis Data).</td>
</tr>
</tbody>
</table>
The following screen displays:

![Backup/Restore PCGenesis Data screen](image)

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Select the radio button to the left of <strong>Backup PCGenesis Data.</strong></td>
</tr>
</tbody>
</table>
The following screen displays:

![Screen shot of backup process]

---

Step | Action
--- | ---
4 | Enter a letter between A thru K (inclusive).

A database backup with the name `PCGenesisDBx.bak` where `x` is the selected letter A thru K will be created. At the same time, a backup of the K:\SECOND directory will be created called K:\SECONDx, where `x` is the selected letter A thru K.

The full database backup files are in the following location for **Windows Server 2012 or 2016**:

- K:\PCGSQLdb\MSSQL13.SQLEXPRESSPCG\MSSQL\BACKUP\PCGenesisDBx.bak

The full database backup files are in the following location for **Windows Server 2008 R2**:

- K:\PCGSQLdb\MSSQL11.SQLEXPRESSPCG\MSSQL\BACKUP\PCGenesisDBx.bak

The Backup PCGenesis Data function facilitates creating an adhoc backup of both the K:\SECOND directories and files and the PCGenesisDB database tables.

5 | Select **(Enter)** twice.
The following screen displays briefly:

![Screen capture of command prompt output]

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>If the black DOS window does not go away, carefully read the message displayed. Call the help desk for assistance if an error is reported.</td>
</tr>
</tbody>
</table>
For a **failed** backup request, the following screen displays:

![Failed backup screen](image1.png)

For a **successful** backup request, the following screen displays:

![Successful backup screen](image2.png)
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>If the backup request <strong>failed</strong>, resolve the conflict and restart the procedure starting at <strong>Step 1</strong>.</td>
</tr>
<tr>
<td>8</td>
<td>If the backup request was successful, select ( \text{F16 - Exit} ) or select ( \text{Master} ) to return to the <em>Business Applications Master Menu</em>.</td>
</tr>
<tr>
<td>9</td>
<td>Check the <strong>K:</strong> drive to ensure that the <strong>K:</strong>\SECONDx directory was created (where ( x ) is the selected letter <strong>A</strong> thru <strong>K</strong>).</td>
</tr>
</tbody>
</table>
| 10   | Check that the database backup was created. Check that **PCGenesisDBx.bak** was created in the appropriate directory as defined below (where \( x \) is the selected letter **A** thru **K**). The full database **backup** files are in the following location for **Windows Server 2012 or 2016**:  
  - **K:**\PCGSQLdb\MSSQL\13.SQLEXPRESS\PCG\MSSQL\BACKUP\PCGenesisDBx.bak  
The full database **backup** files are in the following location for **Windows Server 2008 R2**:  
  - **K:**\PCGSQLdb\MSSQL\11.SQLEXPRESS\PCG\MSSQL\BACKUP\PCGenesisDBx.bak |
| 11   | Review the **PCG_Backup_LOG** table, the **PCG_Backup_LOG_Message** table, and the **PCG_Runtime_Errors** table in the **PCG_Master** database. Make sure the backup operation status displays ‘Successful’.  
Review **Appendix A: Summary of Database Components** in this document for information about the backup log and message tables. |
Procedure B: Restore PCGenesisDB Database Tables

**Restore PCGenesis DB**: The *Restore PCGenesis DB* function allows the PCGenesis administrator to restore a copy of the `PCGenesisDBx.bak` database tables back to production, where x is the selected letter between A thru L, or Q or X. The restore database function requires the PCGenesis administrator to contact the Ga DOE help desk to obtain the necessary password for gaining access to the function. Once the password has been entered, the PCGenesis administrator must enter a letter A thru K, or Q or X. This will process will restore `PCGenesisDBx.bak`, back to production (PCGenesisDB).

This process does NOT restore K:\SECONDx back to K:\SECOND. The K:\SECONDx directory must be restored manually with the assistance of the Ga DOE help desk. The restore process cannot be reversed, so extreme caution is warranted.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>From the <em>Business Applications Master Menu</em>, select <strong>30</strong> <em>(F30 – System Utilities)</em>.</td>
</tr>
</tbody>
</table>
The following screen displays:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Select 12 (F12 – Backup/Restore PCGenesis Data).</td>
</tr>
</tbody>
</table>
The following screen displays:

### Step 3
Select the radio button to the left of **Restore PCGenesis DB**.
The following screen displays:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Enter the <strong>Password</strong>.</td>
</tr>
</tbody>
</table>

The restore database function requires the PCGenesis administrator to contact the Ga DOE help desk to obtain the necessary password for gaining access to the function.
The following screen displays:

![Screen Display](image)

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Enter a letter between A thru L (inclusive) or Q or X.</td>
</tr>
</tbody>
</table>

A database backup with the name `PCGenesisDBx.bak` (where x is the selected letter A thru L or Q or X) will be restored. The backup database `PCGenesisDBx.bak`, will be restored back to production (`PCGenesisDB`).

The backup will be restored to the full database `production` files located in the following location for *Windows Server 2012 or 2016*:

- K:\PCGSQLdb\MSSQL13.SQLSERVER\MSSQL\DATA\PCGenesisDB.mdf
- K:\PCGSQLdb\MSSQL13.SQLSERVER\MSSQL\DATA\PCGenesisDB_log.1df

The backup will be restored to the full database `production` files located in the following location for *Windows Server 2008 R2*:

- K:\PCGSQLdb\MSSQL11.SQLSERVER\MSSQL\DATA\PCGenesisDB.mdf
- K:\PCGSQLdb\MSSQL11.SQLSERVER\MSSQL\DATA\PCGenesisDB_log.1df

The `Restore PCGenesis Data` function does **NOT** restore K:\SECONDx back to K:\SECOND. The K:\SECONDx directory must be restored **manually** with the assistance of the Ga DOE help desk.

**The restore process cannot be reversed, so extreme caution is warranted.**

| 6    | Select **Enter** (Enter) twice. |
For a **successful** restore request, the following screen displays:

```
C:\WINDOWS\system32\cmd.exe

Release 19.02.00
UserId = PG
UserI_DLong = PCGHIT
PCG Server ID = DOE-DOCHALA-W10

:SETENV
IF PG, ., GOTO :LOGIN
SET UCT-USERID=PG
SET PCGUSER=PG

UCT-USERID=PG
PCGOS=ZK
PCGTYPE=SV
PCGUSER=PG

:CONTINUE01
IF PCGHIT, , GOTO :INVALID
IF DOE-DOCHALA-W10, , GOTO :INVALID

C:\\SYSTEM\\BACKUP> ECHO OFF
set MYVARHOSTNAME=DOE-DOCHALA-W10
DOE-DOCHALA-W10\SQLEXPRESSPCG

Changed database context to 'PCG Master'.
RESTORE DATABASE PCGenesisDB FROM DISK='C:\PCGSQLdb\MSQL13.SQLEXPRESSPCG\MSQL\BACKUP\PCGenesisDB.BAK';
Processed 658 pages for database 'PCGenesisDB', file 'PCGenesisDB log' on file 1.
Processed 2 pages for database 'PCGenesisDB', file 'PCGenesisDB log' on file 1.
RESTORE DATABASE successfully processed 658 pages in 0.076 seconds (67.639 MB/sec).
```

Successful
"successful restore."
Press any key to continue ...

For a **failed** restore request, the following screen displays:

```
C:\WINDOWS\system32\cmd.exe

PCGUSER=PG

:CONTINUE01
IF PCGHIT, , GOTO :INVALID
IF DOE-DOCHALA-W10, , GOTO :INVALID

C:\\SYSTEM\\BACKUP> ECHO OFF
set MYVARHOSTNAME=DOE-DOCHALA-W10
DOE-DOCHALA-W10\SQLEXPRESSPCG

Changed database context to 'PCG Master'.
RESTORE DATABASE PCGenesisDB FROM DISK='C:\PCGSQLdb\MSQL13.SQLEXPRESSPCG\MSQL\BACKUP\PCGenesisDB.BAK';
Msg 3011, Level 16, State 1, Server DOE-DOCHALA-W10\SQLEXPRESSPCG, line 1
Exclusive access could not be obtained because the database is in use.
Msg 3011, Level 16, State 1, Server DOE-DOCHALA-W10\SQLEXPRESSPCG, line 1
RESTORE DATABASE is terminating abnormally.
```

Failed

```
* PROBLEM Restoring PCGenesisDB from backup file
PCGenesisDB.BAK
* runsqlscript_Restore_DB.bat -- FAILED
* DO NOT CONTINUE. PLEASE CAPTURE A SCREENSHOT
  OF THIS MESSAGE.
* CALL THE PCGENESIS HELP DESK FOR ASSISTANCE.

Press any key to continue ...
```
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Carefully read the message displayed. If an error is displayed, the restore function was not successful. In that case, read the error message carefully, correct the problem, and start the procedure over again at Step 1.</td>
</tr>
</tbody>
</table>

For a successful restore request, the following screen displays:

```plaintext
Backup/Restore PCGenesiss Data

RESTORE COMPLETED SUCCESSFULLY.
SECOND DIRECTORY MUST BE RESTORED MANUALLY.

PRESS ENTER KEY TO EXIT PROGRAM
```
For a failed restore request, the following screen displays:

![Backup/Restore PCGenesis Data](image)

### Step 8

Carefully read the message displayed. If an error is displayed, the restore function was not successful. In that case, read the error message carefully, correct the problem, and start the procedure over again at Step 1.
The following screen displays:

![System Utilities Menu]

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Select (\text{PCG}) (F16 - Exit) or select (\text{Master}) (Master) to return to the Business Applications Master Menu.</td>
</tr>
<tr>
<td>10</td>
<td>This procedure does NOT restore (\text{K:SECOND}) back to (\text{K:SECOND}). The (\text{K:SECOND}) directory must be restored manually with the assistance of the Ga DOE help desk. The restore process cannot be reversed, so extreme caution is warranted.</td>
</tr>
<tr>
<td>11</td>
<td>The PCG administrator should log into PCGenesis to ensure that the expected data has been restored correctly. Once both the database tables and the (\text{K:SECOND}) directories and files have been restored, verify that the PCGenesis data is correct.</td>
</tr>
<tr>
<td>12</td>
<td>Review the (\text{PCG_Restore_LOG}) table, the (\text{PCG_Restore_LOG_Message}) table, and the (\text{PCG_Runtime_Errors}) table in the (\text{PCG_Master}) database. Make sure the restore operation status displays ‘Successful’. Review Appendix A: Summary of Database Components in this document for information about the restore log and message tables.</td>
</tr>
</tbody>
</table>
**Procedure C: Restore PCGenesisDB Schema**

**Restore PCGenesis Schema:** The *Restore PCGenesis Schema* function allows the PCGenesis administrator to restore a copy of PCG_D_DB tables, or PCG_Q_DB tables, or PCG_SANDBOX tables. This restore function works in conjunction with restoring K:\SECOND\FARDATAQ, K:\SECOND\PAYDATAQ, K:\SECOND\PAYDATAD, or K:\SECOND\SANDBOXQ.

The restore schema function requires the PCGenesis administrator to contact the Ga DOE help desk to obtain the necessary password for gaining access to the function. Once the password has been entered, the PCGenesis administrator must enter either FAR, PAY or SANDBOX to determine which tables should be restored. The letter D or Q must also be entered. Together the two key words indicate which database tables should be restored. The table below indicates which tables will be restored based on the two key words entered.

<table>
<thead>
<tr>
<th>First Key Word Entry</th>
<th>Second Key Word Entry</th>
<th>Tables to be Restored</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAY</td>
<td>D</td>
<td>Restore PAYDATAD</td>
</tr>
<tr>
<td>PAY</td>
<td>Q</td>
<td>Restore PAYDATAQ</td>
</tr>
<tr>
<td>FAR</td>
<td>Q</td>
<td>Restore FARDATAQ</td>
</tr>
<tr>
<td>SANDBOX</td>
<td>Q</td>
<td>Restore SANDBOXQ</td>
</tr>
</tbody>
</table>

This process does NOT restore K:\SECOND\PAYDATAD or K:\SECOND\PAYDATAQ or K:\SECOND\FARDATAQ or K:\SECOND\SANDBOXQ. The K:\SECOND payroll, financial or budget directories must be restored manually with the assistance of the Ga DOE help desk. The restore process cannot be reversed, so extreme caution is warranted.
Step | Action
--- | ---
1 | From the *Business Applications Master Menu*, select **30** (F30 – System Utilities).
The following screen displays:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Select <strong>12</strong> (F12 – Backup/Restore PCGenesis Data).</td>
</tr>
</tbody>
</table>
The following screen displays:

```
Backup/Restore PCGenesis Data
Select Type:  
- Backup PCGenesis Data
- Restore PCGenesis DB
- Restore PCGenesis Schema

Step  | Action
--- | ---
3 | Select the radio button to the left of Restore PCGenesis Schema.
```
The following screen displays:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Enter the <strong>Password</strong>.</td>
</tr>
</tbody>
</table>

The restore database schema function requires the PCGenesis administrator to contact the Ga DOE help desk to obtain the necessary password for gaining access to the function.
The following screen displays:

```
*** WARNING ***
*** RESTORE SCHEMA ***
** This process will restore one of the following databases **
** to production: PCG_O_DB OR PCG_D_DB OR PCG_SANDBOX. **
** This process does NOT restore the directories PAYDATAQ, **
** PAYDATAQ, FARDATAQ, or SANDBOXQ. These directories must **
** be restored manually. This process cannot be reversed. **

PROCEED WITH CAUTION!!!!

PAY Enter FAR, PAY, or SANDBOX

Q Enter D or Q

** Press ENTER to Continue **
** Press F16 to Exit **
```

19:03:08
Step | Action
--- | ---
5 | Enter either **FAR, PAY** or **SANDBOX** as the first key word entry. Enter **D** or **Q** for the second key word entry. Together the two key words indicate which database tables should be restored. The table below indicates which tables will be restored based on the two key words entered.

<table>
<thead>
<tr>
<th>First Key Word Entry</th>
<th>Second Key Word Entry</th>
<th>Tables to be Restored</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAY</td>
<td>D</td>
<td>Restore PAYDATAD</td>
</tr>
<tr>
<td>PAY</td>
<td>Q</td>
<td>Restore PAYDATAQ</td>
</tr>
<tr>
<td>FAR</td>
<td>Q</td>
<td>Restore FARDATAQ</td>
</tr>
<tr>
<td>SANDBOX</td>
<td>Q</td>
<td>Restore SANDBOXQ</td>
</tr>
</tbody>
</table>

This process does **NOT** restore the VISION file contained in the following directories:

- **K:\SECOND\PAYDATAD**
- **K:\SECOND\PAYDATAQ**
- **K:\SECOND\FARDATAQ**
- **K:\SECOND\SANDBOXQ**

The **K:\SECOND** payroll, financial or budget directories must be restored manually with the assistance of the Ga DOE help desk.

**The restore process cannot be reversed, so extreme caution is warranted.**

6 | Select **(Enter)** twice.

---

Georgia Department of Education
August 8, 2019 ● 8:40 AM ● Page 25 of 31
All Rights Reserved.
For a **successful** restore request, the following screen displays:

![Backup/Restore PCGenesis Data](image)

If an error is displayed, the restore function was **not** successful. In that case, read the error message carefully, correct the problem, and start the procedure over again at **Step 1**.

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Carefully read the message displayed.</td>
</tr>
</tbody>
</table>

If an error is displayed, the restore function was **not** successful. In that case, read the error message carefully, correct the problem, and start the procedure over again at **Step 1**.
The following screen displays:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Select (F16 - Exit) or select (Master) to return to the Business Applications Master Menu.</td>
</tr>
</tbody>
</table>
| 9    | This process does **NOT** restore the VISION file contained in the following directories:  
* K:\SECOND\PAYDATAD  
* K:\SECOND\PAYDATAQ  
* K:\SECOND\FARDATAQ  
* K:\SECOND\SANDBOXQ  
The **K:\SECOND** payroll, financial or budget directories must be restored manually with the assistance of the Ga DOE help desk.  
**The restore process cannot be reversed, so extreme caution is warranted.** |
<p>| 10   | The PCG administrator should log into PCGenesis to ensure that the expected data has been restored correctly. Once both the database tables and the <strong>K:\SECOND</strong> directories and files have been restored, verify that the PCGenesis data is correct. |</p>
<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 11   | Review the **PCG_Restore_LOG** table, the **PCG_Restore_LOG_Message** table, and the **PCG_Runtime_Errors** table in the **PCG_Master** database. Make sure the restore operation status displays ‘Successful’.
Review Appendix A: *Summary of Database Components* in this document for information about the restore log and message tables. |
## Appendix A: Summary of Database Components

### SQL Server Databases and Tables for PCGenesis System

<table>
<thead>
<tr>
<th></th>
<th>Table Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>PCGenesisDB</strong> - PCGenesis financial and payroll production data.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.1 Conversion_LOG</td>
<td>Conversion Log indicates successful or unsuccessful conversion of a VISION file to a SQL Server table.</td>
</tr>
<tr>
<td></td>
<td>1.2 Conversion_LOG_Detail</td>
<td>Conversion Log Detail indicates the total number of rows imported for each database table.</td>
</tr>
<tr>
<td></td>
<td>1.3 Conversion_LOG_Error</td>
<td>Conversion Error Log indicates any errors encountered during the conversion of a VISION file to a SQL Server table.</td>
</tr>
<tr>
<td></td>
<td>1.4 FAR.Facility</td>
<td>The FAR.Facility table contains the facility and building records for purchase order processing.</td>
</tr>
<tr>
<td></td>
<td>1.5 FAR.Revenue_Source</td>
<td>The FAR.Revenue_Source table contains the Revenue Source records for the financial system revenue subsystem.</td>
</tr>
<tr>
<td></td>
<td>1.6 T_lookup.GA_County</td>
<td>The T_lookup.GA_County table contains the County codes for Georgia counties.</td>
</tr>
<tr>
<td>2</td>
<td><strong>PCG_Master</strong> - PCGenesis backup and restore logs.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2.1 PCG_Backup_LOG</td>
<td>Backup log indicates successful or unsuccessful completion of a PCGenesis backup operation.</td>
</tr>
<tr>
<td></td>
<td>2.2 PCG_Backup_LOG_Message</td>
<td>The system messages associated with the backup operation.</td>
</tr>
<tr>
<td></td>
<td>2.3 PCG_Information</td>
<td>Stores the location of the SQL Server database backup directory.</td>
</tr>
<tr>
<td></td>
<td>2.4 PCG_Restore_LOG</td>
<td>Restore log indicates successful or unsuccessful completion of a PCGenesis restore operation.</td>
</tr>
<tr>
<td></td>
<td>2.5 PCG_Restore_LOG_Message</td>
<td>The system messages associated with the restore operation. When a restore of D or Q tables has been requested, the Log Message table gives a list of each individual table restored during the operation.</td>
</tr>
<tr>
<td></td>
<td>2.6 PCG_Runtime_Errors</td>
<td>Stores PCGenesis runtime errors that occur during a backup or restore operation.</td>
</tr>
</tbody>
</table>
### SQL Server Databases and Tables for PCGenesis System - continued

The **PCG_Q_DB** database is a backup of PAYDATA that is made just before Calculate Payroll & Update YTD (Final) (F4) or is a backup of FARDATA that is made just before updating budget files with vendor check information (F5).

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Purpose</th>
</tr>
</thead>
</table>
| **3.1 PAYtablename** | **PAYDATAQ and PCG_Q_DB** database tables: The PAYDATAQ directory (inside of the SECOND directory) is a backup of PAYDATA that is made just before Calculate Payroll & Update YTD (Final) (F4).  
- Restore from PAYDATAQ if a problem occurs during check printing. |
| **3.2 FARtablename** | **FARDATAQ and PCG_Q_DB** database tables: The FARDATAQ directory (inside of the SECOND directory) is a backup of FARDATA that is made just before updating budget files with vendor check information (F5).  
- Restore from FARDATAQ if a problem occurs with posting to budget files.  
- Also restore from FARDATAQ if a problem occurs in financial data after posting but before the nightly backup is processed.  
- FARDATAQ should not be restored if any interaction from payroll has occurred (posting payroll or processing an earnings history record gross data transfer). When both financial and payroll records are affected, all of SECOND should be restored. |
| **3.3 dbo.Load_Log** | The Load Log indicates successful or unsuccessful completion of a PCGenesis backup of PAYDATAQ or FARDATAQ and how many tables were loaded. |
| **3.4 dbo.Load_Log_Detail** | The Log Detail gives a list of each individual table loaded during the backup operation. |
### SQL Server Databases and Tables for PCGenesis System - continued

#### 4 PCG_D_DB
The PCG_D_DB database is a backup of PAYDATA that is made after printing payroll checks, but just before printing payroll direct deposits (F2, F3, F5).

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Purpose</th>
</tr>
</thead>
</table>
| **4.1 PAY.tablename** | PAYDATAD and PCG_D_DB database tables: The PAYDATAD directory (inside of the SECOND directory) is a backup of PAYDATA that is made just after checks print (F5) and before direct deposits print.  
  - Restore from PAYDATAD if a problem occurs during or after printing direct deposits but before posting to payroll earnings history (F13). |
| **4.2 dbo.Load_Log** | The Load Log indicates successful or unsuccessful completion of a PCGenesis backup of PAYDATAD and how many tables were loaded. |
| **4.3 dbo.Load_Log_Detail** | The Log Detail gives a list of each individual table loaded during the backup operation. |

#### 5 PCG_SANDBOX
The PCG_SANDBOX database is a backup of SANDBOX that is made just before creating the budget SANDBOX (F5, F1).

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Purpose</th>
</tr>
</thead>
</table>
| **5.1 SAND.tablename** | SANDBOXQ and PCG_SANDBOX database tables: The SANDBOXQ directory (inside of the SECOND directory) is a backup of SANDBOX that is made just before a new Budget SANDBOX is created (F5, F1).  
  - Restore from SANDBOXQ if it is desired to return to a prior iteration of the budget forecasting parameters. |
| **5.2 dbo.Load_Log** | The Load Log indicates successful or unsuccessful completion of a PCGenesis backup of SANDBOXQ and how many tables were loaded. |
| **5.3 dbo.Load_Log_Detail** | The Log Detail gives a list of each individual table loaded during the backup operation. |

#### 6 VQueueDB
The VQueueDB database contains the VerraDyne Print Manager associated tables.