

Banner General Release Guide

*Release 8.3.1
August 2010*



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Prepared by: SunGard Higher Education

4 Country View Road
Malvern, Pennsylvania 19355
United States of America

Customer Support Center Website

<http://connect.sungardhe.com>

Documentation Feedback

<http://education.sungardhe.com/survey/documentation.html>

Distribution Services E-mail Address

distserv@sungardhe.com

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Introduction

This release guide documents Release 8.3.1 of the Banner General System. Release 8.3.1 includes RPEs and problem resolutions.

System Requirements

You must install the following minimum releases to upgrade to Banner General 8.3.1:

- Banner General 8.3
- b_0110_gen80300
- p1-8pw6xj_gen80300
- b_0410_gen80300
- b_0510_gen8030003
- p1-bkojh5_gen8030003
- rpe1-c77b8b_gen8030004
- b_0610_gen8030005

 **Note**

Ensure that you install these releases in the order listed in this section. ■



1 RPEs



The following RPEs are delivered with the 8.3.1 release.

Common Matching (1-1MNG1N)

`gokcmpk1.sql` The Common Matching User Setup (GORCMUS) form has been
`ggtvsdaxi_1MNG1N` modified to have a system wide default matching source code for users
`.sql` who do not have an individual matching source set up in GORCMUS.
Typically, new users would need to be continually added to
GORCMUS, and therefore a system wide matching source was created
to default for users even if they do not specifically have a matching
source setup in GORCMUS.

Modified package

The `gokcmpk1.sql` package has been modified to look for a system wide default matching source code definition in GTVSDAX. This will be used as the default matching source if no user default has been defined in GORCMUS.

Note

GTVSDAX only allows a 15 character `EXTERNAL_CODE`. It is recommended that you limit the default matching source code name to 15 characters in length. ■

The following instructions describe how to set up a system wide default matching source code rule on the GTVSDAX form, if required.

1. Enter `CM_SOURCE_CODE` in the **Group** field.
2. Enter `DEFAULT` in the **Code** field.
3. Enter the system wide default Matching Source Code Rule in the **External Code** field.

Note

The maximum length of this rule is limited to 15 characters. If a User Default does not exist on GORCMUS and the GTVSDAX entry does exist, then that value will be used as the user default. This enables an institution to provide a default for everyone without creating individual GORCMUS rules for every user. ■

If no system wide default is used, you can do either one of the following:

- Delete the GTVSDAX entry.
- Leave the GTVSDAX External Code field blank or <UPDATE ME> since those values are treated as non-existing as well.

Data Extract (1-CKEA91)


Banner Getting Started Guide

Documentation regarding Data Extract in the Banner Getting Started Guide has been updated to reflect all currently supported browsers including Firefox and Safari. Previously, this guide contained information only for IE and Netscape. Netscape is no longer a supported browser.

To save the data from your browser window to a file, use Internet Explorer's **File>Save As** option to save the extracted data to a local directory as a .txt file. Then rename the file as a .csv file.

For Firefox, use the browser's **File>Save Page As** option to save the extracted data to a local directory as a .txt file.

OR

For Safari, click the  icon, select the **Save As** option to save the extracted data to a local directory as a .txt file.

Note

The updated Banner Getting Started Guide will be issued with the 8.4 General release. ■

Letter Generation (1-12GA80)

glrslct.fmb

RPE 1-12GA80 requested that users should be able to list all the fields related to a table when using the Population Selection Definition Rules (GLRSLCT) form. It should function like the RORRULE form in Financial Aid which allows users to choose the table name and then display the column names in a list of values.

The existing **Data Element** drop-down list on the GLRSLCT form has been renamed to **Object**. A new **Data Element** drop-down list has been created next to **Object**. The new **Data Element** drop-down list displays a List of Values with the columns from the tables listed in the **From** field on GLRSLCT.

Protect PIN_RESET in Letter Generation (1-40CAEL)

GLOLETT.pco	Banner General has been enhanced to restrict unauthorized users
GLBLSEL.pco	accessing the *PINRESET variable or the
new security object	GB_THIRD_PARTY_ACCESS.F_PROC_PIN(GOBTPAC_PIDM)
RESET_PIN	function in Letter Generation.

New Object

A new security object, RESET_PIN, has been added that will enable the restriction of who can run the pin reset process (GB_THIRD_PARTY_ACCESS.F_PROC_PIN).

The users must have access to the RESET_PIN object to call the GB_THIRD_PARTY_ACCESS.F_PROC_PIN in Letter Generation. If a user does not have access to the RESET_PIN object through GSASECR, they will not be able to generate a variable using GB_THIRD_PARTY_ACCESS.F_PROC_PIN on GLRVRBL and execute a request on GLRSLCT.

This object has been delivered with a role of BAN_DEFAULT_M and added to the BAN_GENERAL_C class. If you want to utilize this new level of security, you have to remove the object from the BAN_GENERAL_C class and change the default role to BAN_DEFAULT_NO_ACCESS. You can then grant individual access as required.

Refer to *general80000rg.pdf* for more information on the pin reset process.

Modified process

The GLOLETT process has been modified to enforce security on the RESET_PIN object if the gb_third_party_access.f_proc_pin function is called.

Job Submission (1-75WKCP and 1-1M7P8D)

gjirevo.fmb	On the GJIREVO form, you could select a process and then bring up a list of the times you have run that process by double-clicking the Number field. The list displayed the Job Number, File Name, and Record Count. This list did not specify the date or time the job was run. Hence, with processes such as GLBDATA, GLBLSEL, or RERIM07 that run very often, it could be time consuming to find the correct file to open.
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Two new fields, **Date Save** and **Time Saved** have been added to the various List of Values to indicate when the particular output was saved to GUBOUTP for access by GJIREVO.

 **Note**

This is the date/time the output was saved, not the date/time the job was run. ■

A new field, **Beginning Date Saved**, has been added to the key block of GJIREVO form. If you do not enter a date, it does not assume any limit. You are not allowed to enter a future date. If a date is entered, then it will only list those reports with a date saved equal to or later than the beginning date.

Special Characters in Random Passwords (1-91HXCX)

gsasecr.fmb	RPE 1-91HXCX requested that Banner should have the ability to
goktpt1.sql	include or exclude certain characters from password fields to avoid
gjrinvc_080301.sql	confusion. For example, the users got confused with the numeral 1 and
gjrinvc_080301_02	the alphabet I and the numeral 0 and alphabet o when setting or
.sql	resetting passwords.

New parameter

A new parameter, **RPG** (Random Pin Generation) has been added to the Institution Profile tab on GSASECR to indicate valid or invalid characters for random alphanumeric pins.

Modified package

The goktpty.F_Reset_Pin function has been modified to use the RPG rule, if it exists, to determine what characters are to be used when generating a random pin on GOATPAC and GOATPAD or via letter generation calls to GB_THIRD_PARTY_ACCESS.F_PROC_PIN.

Random Pin Generation (RPG) rules

- Random Pin Generation (RPG) rules are only used if the Pin Reset Value on GUAPPRF is Random Value.
- If the RPG is present and the validation characters are NULL and the **Valid** option is selected, the list of characters to be used for the Random Pin will be upper case A-Z and numbers 0-9.
- If the RPG is not present on the GSASECR, the list of characters to be used for the Random Pin will be upper case A-Z and numbers 0-9.
- If the RPG is present on the GSASECR and the validation characters are NULL and the **Invalid** option is selected, the list of characters to be used for the Random

Pin will be upper case A-Z, lower case a-z, special printable characters, and numbers.

- If the generated pin based on the RPG rules does not include any numeric characters and the GUAPPRF indicator says numerics are required, the last character will be a random digit from 0-9.
- If the generated pin based on the RPG rules does not include any alpha characters and the GUAPPRF indicator says alpha characters are required, the last character will be a random upper case character from A-Z.

IDLEWAIT configuration modification

gurjobs.pc

ggtvsdaxi_080301_01.sql

The maximum wait time waiting for a message on either the GURJOBS pipe or the GURJOBS_Q queue is 345,600 seconds or four days (86,400 seconds per day). The GURJOBS process stopped if it was idle for four days. The gurjobs.pc process has been modified such that the wait time (for sitting idle) is no longer hard coded at 345,600 seconds (4 days). With this modification the wait time is externally configurable.

This modification reads IDLEWAIT timeout from gtvsdax and will only time out if it is idle for that number of seconds. The max_wait_receive, which was previously hard valued to 345600 seconds (4 days), is now obtained from gtvsdax row using function get_GtvsdaxWaitSeconds(). This gtvsdax row is delivered with a value of 345,600 seconds and a value of 86,400,000 seconds (1000 days) is the maximum.

When starting the GURJOBS.pc process during the General 8.3.1 System Testing, it was found out that using large max_wait_receive values resulted in problematic behavior. This was observed only when waiting/listening on the GURJOBS_Q queue (see the “Advanced Queuing - Technical” section in the *general80300rg.pdf*). Some of these large values caused the process to timeout immediately. Some of them caused a timeout after several seconds, and some after several minutes. Large values approaching 250 days (or 21,600,000 seconds) were initially observed as being problematic. There were no problematic behaviors observed when waiting/listening on the GURJOBS pipe.

Note

It is recommended that you use a value that is less than 50 days (4,320,000 seconds) initially if you are using the GURJOBS_Q queue aspects of GURJOBS.pc processing and are looking to use a larger IDLEWAIT timeout value than the one which was delivered (345,600 seconds or 4 days). ■

Fine Grain Access (1-156A7Q)

guialti.fmb

Banner users received the following ORACLE error message when the GUALTI_SSN is marked both Visible and Concealed in the GORDMSK rules:

Navigation was attempted to an item that is disabled or not valid; go to another item to continue. It may be necessary to use the mouse.

Changes have been made to the GUIALTI form so that the Banner user does not receive the ORACLE error message when the GUALTI_SSN is concealed and masked.

Security (1-DW371 and 1-BUD84Q)

gchkemail.sql
gokb_email1.sql
gokb_email_s0.sql
gokb_email_s1.sql
gokb_email_r1.sql

RPEs 1-DW371 and 1-BUD84Q requested to validate the e-mail addresses being entered on the GOAEMAL form. This was required to make sure that duplicate e-mail addresses for the same PIDM and same type are not entered on GOAEMAL.

A check has been added to verify that an @ symbol exists and that there is a period (.) after the @ unless it is a URL that has been entered, then no validation will occur. Another check has been added to ensure that there are no duplicate e-mail addresses for the same PIDM and e-mail type. The duplicate check is case insensitive. For example, A@b.com would be flagged as a duplicate of a@b.com.

A new e-mail verification script, gchkemail.com, has also been included that can be manually executed to check for currently existing duplicate e-mail addresses.

Security (1-CDR9EH)

goqrpls.pll

The G\$_VPDI in goqrpls.pll procedure has been modified to remove the select *x* from gtvvpdi. This was not necessary since the function IS_VPDI_ON was already part of the program. This was redundant and caused an additional access to the database that was not necessary.

Person (1-86YX6G)

goqclib.fmb

The order in which e-mails were displayed on GOEMAL and SPAIDEN were not in the chronological order in which they were entered. The e-mails were sorted by type, and then active/inactive. In this sorting, the e-mail that appeared immediately after the currently active e-mail was not the previously active e-mail. The order of all the inactive e-mails for one e-mail type would be all mixed up.

The `goqclib.fmb` library has been modified so that an additional sort based on Activity Date. As a result, the inactive e-mails are listed in the chronological order as well.

GOAINTL passport length (1-9GR9HN)

goaintl.fmb

The user could not enter more than 15 characters for passport number in the GOAINTL form even though the data type for GOBINTL_PASSPORT_ID is `varchar2(25)`.

The value for the **Maximum Data Length** attribute has been changed from 15 to 25 for the passport ID property to enable the full database length of 25 to be used.



2 Problem Resolutions



This section lists the problem resolutions included in Release 8.3.1. For details about a problem resolution, refer to the `general80301resolutions.txt` file that accompanies this release.

Object	Defect #	Summary
API Developer Guide	1-AXZDV4	Error in Banner General API Developer Guide.
GLBDATA.pco GLOLETT.pco GLBLSEL.pco	1-2QBKR5	GLBDATA Union-Intersect-Minus issues with large Selections.
GLOLETT.pco	1-2VMFQR	When subquery variable uses a Group By clause GLBDATA returns SQL ERROR = ORA-00937.
GLOLETT.pco	1-AUK9Z5	Errors, "ORA-00942: table or view does not exist, ORA-01403: no data found" received on GLBDATA.
GLOLETT.pco	1-BC9YVT	GLOLETT - truncates dynamic parameters stored in column <code>glrcmpl_sql_parms</code> .
GLOLETT.pco GLBLSEL.pco	1-4VX6GM	GLBLSEL process hangs when using a variable with rules that include a ' <code>_IND</code> ' column with ' <code>IS NULL</code> ' a.
GLRLETR	1-56EC63	GLRLETR 8.0 LOG file incorrectly contains the variable values.
goatpac.fmb and online documentation	1-AWYSKM	Documentation and functionality defect with GOATPAD and GOATPAC.
goqrpls.pll	1-BT201V	Tab level security not working properly on SGASTDN when assigning query only for Tab Access.
goqrpls.pll	1-C0X96I	SDE lightbulb icon not enabled on a form when Supplemental Data exist.

Object	Defect #	Summary
gtvrrac.html	1-BGF5RD	Documentation - The form GTVRRAC is missing the bannerOH online help file gtvrrac.html.
GTVSDAX	1-A8HUPW	GTVSDAX Handbook Conflicts with the information regarding the object access view AS_STUDENT_DATA.
GTVSDAX	1-AY4BET	WEBALTPINU documentation is incorrect.
Middle Tier	1-59LBEO	Middle Tier documentation issue with default.fontMap.defaultFontname=Verdana and UTF8 unicode fonts.
Middle Tier	1-66T7BF	Doc - midtier80200im.pdf issues with login vs timeout.
Middle Tier	1-7GAG10	Instructions on the migrating all css, images, hlp ... file to web server added to Middle Tier Guide.
Middle Tier	1-8IO0BO	Banner General Middle Tier Implementation Guide missing information regarding SQL Injection rewrites.
Middle Tier	1-9M582U	Middle Tier Guide does not include tuning parameters for DAD.
ProCToolkit	1-5L5596	Documentation clarification needed on pro-c80000toolkit.pdf related to TMCHAR var[35][15] and rekey.
Release Guide	1-9A1HTT	Banner General Release Guide (7.6.1.1 and 8.2.1.1) Payment Processor Connection.
Security Handbook	1-5O5HXF	Documentation defect in General 8.1 Security Handbook on non existent table GURUACC.
Security Handbook	1-AU49P0	Doc Defect in Security Admin Handbook 8.3 regarding tab level security on forms SGASTDN and SFAREGS.

Object	Defect #	Summary
TRM	1-75DENN	Banner INFMGR owner not listed in General TRM (page 1-13).
TRM	1-8BMNQI	Banner NLS_DATE_FORMAT and ORA-01480: trailing null missing from STR bind value.
TRM	1-8Q6DZL	No documentation exists on delivered Banner userid FLEXUSR and STREAMSADMIN.
User Guide	1-6AJZO9	Documentation - Letter Generation format command #I (Indent) needs clarification.
Web Services HB	1-99YO84	Banner General webservices installation step 7, source not matching what handbook shows.
Web Services HB	1-9F8J3N	Documentation defect. pci_acct_trans_one.wSDL on page 20 of the General Web Services Handbook.
Web Services HB	1-AH3I7C	Documentation Datasources BWS-PCI.
Web Services HB	1-8WBTDX	General documentation is needed to explain how SDE triggers are to be created.
Web Services HB	1-AR1HAO	Documentation for using LIKE parameter on GLRSLCT.
gokb_third_party_a_r1. sql	1-C7O83J	Inconsistent behavior on GOATPAD and SSB PIN reset.

