

Banner General Release Guide

November 2006

Release 7.4



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Prepared By: SunGard Higher Education
4 Country View Road
Malvern, Pennsylvania 19355
United States of America

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Introduction

This guide documents Release 7.4 of the Banner General System. Release 7.4 includes enhancements, RPEs, and problem resolutions.

This document describes the following enhancements.

Integration Components (Intcomp) Support

New features offer greater flexibility for maintaining third party product integration settings.

Immunization Information

Several new forms and tables enable you to maintain immunization information.

Data Extract

Job Submission performance when using the data extract functionality is improved.

Multi-Institution Functionality (MIF) Support for Job Submission

For MIF institutions, jobs are now run under the home institution code which is set for the session at login, regardless of a user's default institution code.

Prerequisites

The following must be installed prior to this release:

- Banner General Release 7.3
- Oracle Version 9.2.0.6

Note: For Open VMS clients who are using the Campus Card and/or Housing Integration APIs, Oracle Version 9.2.0.7 is required. If those APIs are not being used, then Version 9.2.0.5 is recommended. Version 9.2.0.6 is not available for Open VMS.

Do Forms Need to be Regenerated?

Several changes were made to the Form Object Library (GOQOLIB) which affect Banner forms. The forms only need to be regenerated if your institution wants to use the changed functionality. Regenerating the forms is not mandatory, although SunGard Higher Education highly recommends it.

Note: If some (but not all) forms are regenerated, then the changed functionality will only be available on the regenerated forms.

The following changes were made to GOQOLIB:

- ID and Name window search improvements
- Correction of Banner event and function problem (#CMS-DFCT103244)
- Correction of F5 navigation issues (#1-GIR5Y)
- Brand name changes for Workflow

Refer to the “Miscellaneous Enhancements” and “Problem Resolutions” sections of this guide for more information about these changes.

Banner Finance Users:

Problem #1-W2FWY was corrected in the version of GOQCLIB included in this release. If you have Finance installed at your site, then the following Finance forms must be regenerated:

- FTMAGCY
- FTMCUST
- FTMFMGR
- FTMVEND

For more information, refer to patch p1-w2fwy_gen70301.trz.

Web General Users:

If you have Web General installed at your site, then you must apply patch p1-ptyeg_bwg70300.trz. This patch contains corrections for problems #1-PTYEG and #CMS-DFCT97403 in the 7.3.0.1 version of BWGKOA1.sql. The patch depends on the 7.4 version of form GOAADRL, which was changed to allow the *Friend* role for Banner Advancement to appear in the Role list.

Do C and Cobol Need to be Recompiled?

Multi-Institution Functionality (MIF) institutions must recompile all C and Cobol programs in all Banner products. Refer to the “MIF Support for Job Submission Enhancement” section of this guide for more information.

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Section 1 Integration Components Enhancement - Functional

Institutions that use the Integration for e-Learning product (as well as other third party integration applications) need to store the integration configuration settings, so that administrators can control how Banner data is processed in those applications. A new form enables users to configure and edit the settings.

For more information about the Intcomp 7.3 release, refer to the *Integration for e-Learning 7.3 Release Guide*.

New Form

Integration Configuration Settings Form (GORICCR)

Use this form to maintain settings and configurations that are required for the Integration for e-Learning product. These configurations allow clients to control aspects of their institution's integration between Banner and third party systems.

Main Window

Key Block

Fields	Descriptions
Process	Code used to select process which contains all settings related to the integration solution. As of Intcomp's Release 7.3, the only valid process value is <i>ELEARNING</i> .
Setting	Code that is used to determine (or cross reference) specific values that are used to configure Integration for e-Learning.

Configuration Settings Block

Fields	Descriptions
Setting	Specific code for the integration (for example, <i>ACTIVE_ENROLLMENT_STATUS</i>).
Sequence	Sequence number for settings that may have multiple values where the order is significant (for example, <i>ICADDRESS</i>).
Value	Institution-defined value. This value comes from Banner validation forms. An example is a term code from <i>STVTERM</i> . These values may also come from a finite set of allowed values (for example, <i>LDIMODE</i> has a setting of <i>A</i> or <i>L</i>).
Description	Description of the value.
User ID	User ID of the user who created or last modified the record.
Activity Date	Date on which the record was created or last modified.
Translation	Translation value, if required. For example, <i>ICMEETYPE</i> has a translation value of <i>CLASSROOM</i> .

Changed Menu

Integration Component Management (*GENINTCOMP)

The Integration Configuration Settings Form (GORICCR) was added to this menu.

Section 2 Immunization Information Enhancement - Functional

With this enhancement, you can create and maintain immunization codes, as well as status codes to use for immunizations. You can then use those codes to record and maintain immunization status information for individuals.

This enhancement supports XML Transcript functionality in Banner Student. For more information about XML Transcript, refer to the *Banner Student 7.3 Release Guide*.

New Forms

Immunization Code Validation Form (GTVIMMU)

Use this form to store immunization codes and their descriptions.

Fields	Descriptions
Immunization Code	Code for the immunization.
Description	Description of the immunization code (for example, <i>Measles Immunization</i>).
User ID	User ID that created or last modified the record.
Activity Date	Date on which the record was created or last modified.

Immunization Status Code Validation Form (GTVIMST)

Use this form to store immunization status codes and their descriptions.

Fields	Descriptions
Immunization Status	Code of the immunization status (for example, <i>I</i>).
Description	Description of the immunization status (for example, <i>First Inoculation</i>).
User ID	User ID that created or last modified the record.
Activity Date	Date on which the record was created or last modified.

Immunization Information Form (GOIMMU)

Use this form to maintain immunization status information for an ID.

Note: Immunization codes must be set up on the Immunization Code Validation Form (GTVIMMU), and immunization status codes must be set up on the Immunization Status Code Validation Form (GTVIMST) prior to using them on this form.

Fields	Descriptions
ID	ID and name for which you want to view or record immunization status information.
Immunization	Immunization code and description. Choices come from the Immunization Code Validation Table.
Status	Immunization status code and description. Choices come from the Immunization Status Validation Table.
Immunization Date	Date of immunization.
User ID	User ID that created or last modified the record.
Activity Date	Date on which the record was created or last modified.

Fields	Descriptions
Comment	Comment about the immunization. Comments can be up to 4,000 characters in length (including spaces). Click the Edit button to edit an existing comment, or simply to view the comment in a new window.

New Menu

Medical and Immunization Information Menu (*GENMEDICAL)

This menu contains the three new immunization forms, as well as the Medical Disability Rule Form (GORMEDR) and the General Medical Information Form (GOAMEDI).

Changed Menu

Miscellaneous General Forms Menu (*GENMISC)

The new Medical and Immunization Information Menu (*GENMEDICAL) was added to this menu. Additionally, the Medical Disability Rule Form (GORMEDR) and the General Medical Information Form (GOAMEDI) were moved from this menu to *GENMEDICAL.

The *GENMISC menu is a submenu of the System Functions/AdministrationMenu (*GENSYS).

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Section 3 Integration Components Enhancement - Technical

This section contains technical information about the Integration Components enhancement.

For more information about the Intcomp 7.3 release, refer to the *Integration for e-Learning 7.3 Release Guide*.

New API

Integration Configuration (gb_integ_config)

This API creates and maintains integration configuration settings in the GORICCR table.

<i>Table</i>	<i>Objects</i>	<i>API Object Name</i>	<i>API Entity Name</i>	<i>Task Performed</i>
GORICCR	GORICCR	gb_integ_config	INTEG_CONFIG	Creates, updates, and deletes records in the GORICCR table.

The following files support this API:

- gokb_integ_config0.sql
- gokb_integ_config1.sql
- gokb_integ_config_r0.sql
- gokb_integ_config_r1.sql
- gokb_integ_config_s0.sql
- gokb_integ_config_s1.sql
- gokd_goriccr0.sql
- gokd_goriccr1.sql

New Tables

Integration Configuration Setting Name Code Validation Table (GTVICSN)

This table stores the setting name code that is used in integration configuration settings. It is populated by SEED data scripts that are delivered in the integration solution product to which they pertain (e.g., Integration for e-Learning).

Note: There is no corresponding form to enter or update GTVICSN records. Since integration logic contains hard-coded references to the GTVICSN records, there is no need to enter the records manually.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GTVICSN_CODE	VARCHAR2(30)	N	SETTING NAME: The setting name code referenced in integration configuration settings.
GTVICSN_DESC	VARCHAR2(60)	N	DESCRIPTION: Description of the setting associated with the setting name code.
GTVICSN_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date that the information for the row was inserted or updated in the GTVICSN table.
GTVICSN_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.
GTVICSN_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.

The following scripts create this table:

- `gtvicsn1.sql`—Creates the table.
- `gtvicsn2.sql`—Adds the primary key.
- `gtvicsn3.sql`—Adds the comments.

Integration Configuration Process/Setting Name Table (GOBICPS)

This table stores the integration configuration process code with its associated setting code. It is populated by SEED data scripts that are delivered in the integration solution product to which they pertain (e.g., Integration for e-Learning).

Note: There is no corresponding form enter or update GOBICPS records. Since integration logic contains hard-coded references to the GOBICPS records, there is no need to enter the records manually.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GOBICPS_SQPR_CODE	VARCHAR2(30)	N	PROCESS CODE: The process code.
GOBICPS_ICSN_CODE	VARCHAR2(30)	N	SETTING NAME: The setting name code.
GOBICPS_MULTIPLE_IND	VARCHAR2(1)	N	MULTIPLE INDICATOR: Indicates whether multiple occurrences of the process/name combination are allowed in the GORICCR table.
GOBICPS_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date that the information for the row was inserted or updated in the GOBICPS table.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GOBICPS_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.
GOBICPS_VALIDATION_SQL	VARCHAR2(4000)	Y	VALIDATION SQL: SQL query used to validate values associated with the process/name combination in the GORICCR table.
GOBICPS_VALIDATION_SYSTEM	VARCHAR2(20)	Y	VALIDATION SYSTEM: System in which the Validation SQL will query, and in which the List Values form is found. Values in this field must be recognizable to the goksystem.f_isproducti nstalled function.
GOBICPS_LIST_VALUES	VARCHAR2(30)	Y	LIST VALUES: Name of a form that can be used to provide a list of valid values that can be associated with the process/name combination in the GORICCR table.
GOBICPS_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.

The following scripts create this table:

- gobicps1.sql—Creates the table.
- gobicps2.sql—Adds the primary key.
- gobicps3.sql—Adds the foreign key from this table to the GTVSQPR table.
- gobicps4.sql—Adds the foreign key from this table to the GTVICSN table.
- gobicps5.sql—Creates the table and column comments.

Integration Configuration Rules Table (GORICCR)

This table stores the values for the integration settings. If the order in which integration settings are used is important, you can specify the sequence number in the GORICCR_SEQ_NO column.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GORICCR_SQPR_CODE	VARCHAR2(30)	N	PROCESS CODE: The integration configuration setting process code.
GORICCR_ICSN_CODE	VARCHAR2(30)	N	SETTING NAME: The integration configuration setting name code.
GORICCR_VALUE	VARCHAR2(200)	N	VALUE: Value of the configuration setting.
GORICCR_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date that the information for the row was inserted or updated in the GORICCR table.
GORICCR_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GORICCR_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.
GORICCR_VALUE_DESC	VARCHAR2(60)	Y	VALUE DESCRIPTION: Description of the value entered for the given setting.
GORICCR_SEQ_NO	NUMBER(2)	Y	SEQUENCE NUMBER: Ordinal number used when order of configuration settings is important.
GORICCR_TRANSLATION_ VALUE	VARCHAR2(200)	Y	TRANSLATION VALUE: A value that is the technical equivalent of the value in the VALUE field.

The following scripts create this table:

- `goriccr1.sql`—Creates the table.
- `goriccr2.sql`—Adds the primary key.
- `goriccr3.sql`—Adds the foreign key from this table to the GOBICPS table.
- `goriccr4.sql`—Creates the table and column comments.

Changed DBPROC

gokb_inst_role1.sql

The Banner Intcomp product moved all configuration setting rules from the GTVSDAX table to the new GORICCR table via a script delivered in Intcomp 7.3. Accordingly, the `gokb_inst_role1.sql` script was modified so that the INSTITUTION_ROLE API now retrieves the *LDIVPDROLE* setting from GORICCR, instead of GTVSDAX.

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Section 4 Immunization Information Enhancement - Technical

This section contains technical information about the Immunization Code enhancement.

New Tables

Immunization Validation Table (GTVIMMU)

This table stores immunization codes.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GTVIMMU_CODE	VARCHAR2(10)	N	IMMUNIZATION CODE: Immunization Code.
GTVIMMU_DESC	VARCHAR2(30)	N	DESCRIPTION: Description of the immunization code.
GTVIMMU_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date on which the information for the row was inserted or updated.
GTVIMMU_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.
GTVIMMU_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.

The following scripts create this table:

- `gtvimmu1.sql`—Creates the table.
- `gtvimmu2.sql`—Adds the primary key.
- `gtvimmu3.sql`—Creates the table and column comments.

Immunization Status Validation Table (GTVIMST)

This table stores immunization status codes.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GTVIMST_CODE	VARCHAR2(2)	N	IMMUNIZATION STATUS CODE: Immunization Status Code.
GTVIMST_DESC	VARCHAR2(30)	N	DESCRIPTION: Description of the immunization status code.
GTVIMST_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date on which the information for the row was inserted or updated.
GTVIMST_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.
GTVIMST_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.

The following scripts create this table:

- `gtvimst1.sql`—Creates the table.
- `gtvimst2.sql`—Adds the primary key.
- `gtvimst3.sql`—Creates the table and column comments.

Immunization Information Table (GORIMMU)

This table stores immunization codes and related statuses by PIDM, as well as any comments about the immunization.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GORIMMU_PIDM	NUMBER(8)	N	PIDM: Banner ID of the individual.
GORIMMU_IMMU_CODE	VARCHAR2(10)	N	IMMUNIZATION CODE: Immunization code.
GORIMMU_SEQ_NO	NUMBER(2)	N	SEQUENCE NUMBER: Sequence number for the immunization record. Used to display immunization records on the GORIMMU form.
GORIMMU_USER_ID	VARCHAR2(30)	N	USER ID: The unique identification of the user.
GORIMMU_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: The date on which the information for the row was inserted or updated.
GORIMMU_IMMU_DATE	DATE	Y	IMMUNIZATION DATE: Date of immunization.
GORIMMU_IMST_CODE	VARCHAR2(2)	Y	IMMUNIZATION STATUS CODE: Gtvimst status code.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GORIMMU_COMMENT	VARCHAR2(4000)	Y	COMMENT: Immunization Comment.
GORIMMU_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that created or updated the row.

The following scripts create this table:

- `gdrpimmu.sql`—Drops existing GORIMMU table.
- `gorimmu1.sql`—Creates the table.
- `gorimmu2.sql`—Adds the primary key.
- `gorimmu3.sql`—Adds a foreign key for GTVIMMU.
- `gorimmu4.sql`—Adds a foreign key for GTVIMST.
- `gorimmu5.sql`—Creates the table and column comments.

New APIs

GTVIMMU Validation (`gb_gtvimmu`)

This package provides validation support for the Immunization Validation Table (GTVIMMU).

The following files support this API:

- `gvkb_gtvimmu0.sql`
- `gvkb_gtvimmu1.sql`

GTVIMST Validation (gb_gtvimst)

This package provides validation support for the Immunization Status Validation Table (GTVIMST).

The following files support this API:

- gvkb_gtvimst0.sql
- gvkb_gtvimst1.sql

Immunization (gb_immunization)

This API creates and maintains immunization status information in the GORIMMU table.

<i>Table</i>	<i>Objects</i>	<i>API Object Name</i>	<i>API Entity Name</i>	<i>Task Performed</i>
GORIMMU	GORIMMU	gb_immunization	IMMUNIZATION	Creates, updates, and deletes records in the GORIMMU table.

The following files support this API:

- gokd_gorimmu0.sql
- gokd_gorimmu1.sql
- gokb_immunization0.sql
- gokb_immunization1.sql
- gokb_immunization_r0.sql
- gokb_immunization_r1.sql
- gokb_immunization_s0.sql
- gokb_immunization_s1.sql

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Section 5 Data Extract Support - Technical

To improve the performance of standard Banner Data Extracts, two new tables were created to temporarily collect the extracted data. The data are then purged from the table upon logout from your Banner session. Previously, all Data Extract data were collected and stored in the same tables used for Job Submission output, GUBOUTP and GUROUTP. By storing Data Extract data in separate tables, however, there is less demand on the Job Submission tables during month-end, quarter-end, and year-end time periods, which significantly improves performance.

Note: Data extracted using the Banner Finance GASB Parameter Form (FGAGASB), or accessed via the Saved Output Review Form (GJIREVO), are still stored in the GUBOUTP and GUROUTP tables.

Changed Forms

General WebUtil File Extract Form (GUQWUTL)

For standard Data Extract functionality, this form now uses the new GUBOUTD and GUROUTD tables instead of the GUBOUTP and GUROUTP tables. For Finance FGAGASB users, this form still collects extracted data in the existing GUBOUTP and GUROUTP tables. Also, the GUBOUTP and GUROUTP tables are still used for extracted data used on the Saved Output Review Form (GJIREVO).

To support this new functionality, the WHEN-BUTTON-PRESSED trigger on the EXTRACT_BTN form object was modified to call the PULL_FOR_DATA_EXTRACT_OUTD routine, because Data Extract data are now retrieved from the new GUBOUTD and GUROUTD tables. This trigger still calls the PULL_FOR_DATA_EXTRACT routine for the GJIREVO or FGAGASB form.

General Menu Form (GUAGMNU)

This form was modified so that any Data Extract data stored in the new GUBOUTD and GUROUTD tables during your Banner session is purged when you log out of Banner. To support this change, the POST-FORM trigger on this form was modified to execute the PURGE_DATA_EXTRACT_OUTD trigger, which removes the data upon exiting this form.

Note: If Banner Finance is installed, then data is still purged from the GUBOUTP and GUROUTP tables upon logout.

New Tables

Two new tables support the intermediate collection of Internet-Native Banner Data Extract data.

Data Extract Collection Header Table (GUBOUTD)

This table is used to collect data extract header information.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GUBOUTD_USER_ID	VARCHAR2(30)	N	The guboutd_user_id is the Oracle username used to perform the Data Extract.
GUBOUTD_USER_NUM	NUMBER	N	The guboutd_user_num is the Oracle user_id assigned to the Oracle username used to perform the Data Extract.
GUBOUTD_ONE_UP_NO	NUMBER	N	The guboutd_one_up_no is the one up number used when the Data Extract was performed from a BANNER form.
GUBOUTD_JOB	VARCHAR2(30)	N	The guboutd_job is the name of the job or process which generated the Data Extract.
GUBOUTD_FILE_NAME	VARCHAR2(60)	N	The name of the file created by the processed job (ex: GJRRPT.S_123456.log).

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GUBOUTD_FILE_NUMBER	NUMBER	N	The file number for the processed job. 1 corresponds to the LIS file. 2 corresponds to the LOG file.
GUBOUTD_NUMBER_OF_LINES	NUMBER	N	The number of rows that are found in the corresponding data of the GUBOUTD child table.
GUBOUTD_ACTIVITY_DATE	DATE	N	The guboutd_activity_date is the date the Data Extract was saved into the database.
GUBOUTD_DATE_PRINTED	DATE	Y	The guboutd_date_printed - not applicable
GUBOUTD_DATA_ORIGIN	VARCHAR2(30)	Y	The guboutd_data_origin - is the system the data originated from.

The following scripts create this table:

- guboutd1.sql—Creates the table.
- guboutd2.sql—Creates the index.
- guboutd3.sql—Creates the comments on table and columns.

Data Extract Collection Detail Table (GUROUTD)

This repeating global temporary table stores the data from the Data Extract being performed.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GUROUTD_USER_NUM	NUMBER	N	The guroutd_user_num is the Oracle user_id assigned to the Oracle username used to perform the Data Extract.
GUROUTD_ONE_UP_NO	NUMBER	N	The guroutd_one_up_no is the one up number used when the Data Extract is performed from a BANNER form.
GUROUTD_FILE_NUMBER	NUMBER	N	The file number for the processed job. 1 corresponds to the LIS file. 2 corresponds to the LOG file.
GUROUTD_SEQ_NO	NUMBER	N	The guroutd_seq_no is a one up sequence number indicating the order of the lines in the file.
GUROUTD_LINE	VARCHAR2(2000)	Y	The guroutd_line is a line of output from the Data Extract file.

The following scripts create this table:

- guroutd1.sql—Creates the table.
- guroutd2.sql—Creates the index.
- guroutd3.sql—Creates the foreign key.
- guroutd4.sql—Creates the comments on table and columns.

Changed Library

Dynamic Procedure Library (goqrpls.pll)

Several changes were made to this library to support this enhancement:

- The G\$_DATA_EXTRACT routine was modified to use a new function, G\$_WEB_SHOW_DOCUMENT_OUTD. This new function uses the new GOKOUTD package. The G\$_WEB_SHOW_DOCUMENT function is still used for the Finance GASB Data Extract.
- The G\$_DATA_EXTRACT routine now sets the SYSTEM.MESSAGE_LEVEL to a value of 15 so that any navigation which causes an error in some forms is hidden from the user. The G\$_WRITE_BLOCK routine was modified to reset the SYSTEM.MESSAGE_LEVEL back to 0 just prior to displaying a status message when being called by G\$_DATA_EXTRACT.
- The G\$_WRITE_BLOCK routine was changed to use the GUBOUTD and GUROUTD tables.

New Package

Data Extract Local Push (GOKOUTD)

gokoutd.sql (package specification)
gokoutd1.sql (package body)

This database package retrieves Data Extract data from the database and pushes it through a pipe to a browser. Its functionality is similar to the existing GOKOUTP package.

New PLUS Script

gdeloutd.sql

This script is used to delete any GUBOUTD and GUROUTD records that are less than the input date (in *DD-MM-YYYY* format) provided by the user. Since the data stored in the new GUBOUTD and GUROUTD tables are temporary, and purged during logout from Banner, a problematic exit from Banner may cause the data to remain in the tables. In that case, you can use this script to manually remove the data.

New Environment Variable

BAN_DATA_EXTRACT_PAD_COLUMNS

This optional environment variable supports the modifications to the Banner Data Extract process. It is used in conjunction with the GOQRPLS routines GOQRPLS.G\$_DATA_EXTRACT and GOQRPLS.G\$_WRITE_BLOCK.

- If the variable is set to *Y (Yes)*—The Data Extract logic in the G\$_WRITE_BLOCK will pad the columns with spaces, just as it did before this enhancement.
- If the variable is set to *N (No)*—The columns will not be padded with spaces. The padding is not needed because the columns have “wrapper” of double quotes around them.

Note: If the variable does not exist, then Banner assumes a value of *N*.

Section 6 Multi-Institution Functionality (MIF) Support for Job Submission Enhancement - Technical

What if my Institution Does not use MIF?

This enhancement is only available to institutions that have implemented Multi-Institution Functionality (MIF), which also requires Virtual Private Database (VPD) functionality. If your institution is interested in using MIF, it is strongly recommended that SunGard Higher Education Application Practices perform the implementation. Your institution should not attempt to make VPD changes to the database on its own.

Warning: If your institution does not use MIF, do *not* place any data in the following tables:

- GTVVPDI
- GURUSRI

Placing data in these tables in a non-MIF environment can seriously impact the integrity of your system.

Additionally, your DBA should ensure that the `gt_login_set_vpdi_context` trigger is disabled if your institution does not use MIF.

Overview

With this enhancement, your jobs will run under the home institution that you set for the session at login, regardless of the default institution code that is set up for you on GSAVPDI.

Note: If your institution is using Multi-Institution Functionality, all C and COBOL programs must be recompiled when the General 7.4 release is installed.

For Jobs Submitted Through Job Submission (not on Hold)

The institution code that Banner uses for processing in a particular session is always the one you chose on login to that Banner session. Prior to this enhancement, if you had several sessions open at once, Banner used the code from the most recently-opened session for jobs that you processed in any of your open sessions, regardless of the code originally chosen for that session. With this enhancement, the institution code used for processing jobs is specific to the session you are in, regardless of other sessions you may have open.

For Jobs Put on Hold for Future Processing

When you put a job on hold on the Job Submission Form (GJAPCTL), Banner saves the institution code that you chose for the session, along with the job sequence number, to a new table. Later, when you submit the job for processing, you must manually set the “one up” environment variable to the job sequence number, so that Banner can retrieve the stored institution code for the job.

The environment variable you must set is:

<i>Platform</i>	<i>Variable</i>	<i>Example</i>
UNIX	ONE_UP	export ONE_UP, then ONE_UP = 123456 (where 123456 is the jobseqno)
WIN NT	SCTBAN_ONE_UP_NUMBER	set SCTBAN_ONE_UP_NUMBER = 123456 (where 123456 is the jobseqno)
VMS	SEQ	ONE_UP_NO := 123456 (where 123456 is the jobseqno)

Setup Steps

To use this enhancement in a MIF-enabled environment, your DBA must perform the following steps:

1. Populate the GTVVPDI and GURUSRI tables using the Oracle/Banner VPD Security Maintenance Form (GSAVPDI). Enable the `gt_login_set_vpdi_context` trigger, if it is disabled.

Logon to SQL*Plus as bansecr and type:

```
alter trigger gt_login_set_vpdi_context enable;
```

You may want to edit the `gstvpds0.sql` script and change *disabled* to *enabled*, because it is now enabled in your database.

2. Enable the `gt_gjbprun_vpdi_air` and `gt_gjbprun_vpdi_aur` triggers.

Logon to SQL*Plus as *general* and type:

```
alter trigger gt_gjbprun_vpdi_air enable;  
alter trigger gt_gjbprun_vpdi_aur enable;
```

You may want to edit the `gjtprun0.sql` and `gjtprun1.sql` scripts and change *disabled* to *enabled* because they are now enabled in your database.

Note: SunGard Higher Education recommends that you do not add GJAPCTL to the GORVPDI form, because users may assume that their jobs will be processed under an institution code other than the home institution code, which is incorrect.

Changed Form

Job Submission Interface Form (GUQINTF)

This form was modified to pass the MIF code to `gurjobs.pc`.

New Table

Banner VPDI Support for Job Submission Table (GJBVPDI)

This table stores the job sequence number and institution code for jobs that are placed on hold through GJAPCTL.

Note: You cannot apply VPD to this table.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GJBVPDI_ONE_UP_NO	NUMBER	N	ONE UP NUMBER: The Job One up number.
GJBVPDI_VPDI_CODE	VARCHAR2(6)	N	VPDI CODE: The MIF code.

<i>Name</i>	<i>Type</i>	<i>Nullable?</i>	<i>Comments</i>
GJBVPDI_USER_ID	VARCHAR2(30)	N	USER ID: User ID of the person who created or updated the row.
GJBVPDI_ACTIVITY_DATE	DATE	N	ACTIVITY DATE: Date on which the row was created or last updated.
GJBVPDI_DATA_ORIGIN	VARCHAR2(30)	Y	DATA ORIGIN: Source system that generated the data.

The following scripts create this table:

- gjbvpdi1.sql—Creates the table.
- gjbvpdi2.sql—Creates the primary key.
- gjbvpdi3.sql—Creates the comments on the table and columns.

Changed C Programs

guaorac2.pc

A new procedure, `setvpd()`, has been added to this program to support MIF processing. It is invoked from the `setrole()` procedure.

gurjobs.pc

This program was changed to retrieve the MIF code from GUQINTF and pass it on for the batch jobs to use.

Changed Cobol Program

GUASETR.pco

This program was changed to set the institution code based upon environment variables.

Changed Perl Module

sctban.pm

This Perl Module was changed so that Windows NT can process the MIF code when it is passed for use in Job Submission.

Changed Command Procedure (Open VMS)

GJAJOBS.COM

This Open VMS command procedure was changed so that the MIF code can be passed to subsequent procedures for use in Job Submission.

New Grants

To support this enhancement, grant select on GJBVPDI to PUBLIC was issued. It is delivered in script `gjbvpdipriv.sql`.

In addition, the following grants were issued:

- Grant select on GOBVPDI to *PUBLIC*
- Grant execute on GOKVPDA to *PUBLIC*

New Triggers

Two new triggers were placed on the GJPBRUN table. These triggers are delivered disabled. They must be enabled prior to using this enhancement.

gjtprun0.sql

This trigger adds a record to the GJBVPDI table when a record is inserted into GJPBRUN. For MIF institutions, the value of gjbvvpd_one_up_no is the same as gjbprun_one_up_no.

gjtprun1.sql

When a record is deleted from the GJPBRUN table, this trigger deletes the corresponding record from the GJBVPDI table, based on the gjbvvpd_one_up_no value.

Section 7 Miscellaneous Enhancements

This section describes miscellaneous enhancements and small changes to the system.

API Bind Variable Updates

A performance issue existed for DML packages in Banner Business Entity APIs. The API update strategy used in Banner 7.0 dynamically constructed an update statement so only the specific table columns that had changed would be updated. This strategy forced Oracle to perform a hard parse on the update cursor every time it was executed. As a result, the internal overhead may have manifested itself in latch contention in the SGA and prevented the system from performing as efficiently as it could have.

A solution has been found that resolves this issue and allows Oracle to reuse cursors efficiently in both 9i and 10g. This solution requires changes to all APIs and will be implemented in the next scheduled major release for each product. The changes are internal to the DML packages and API package bodies only and do not require any changes to application programs. You will not need to modify any custom programs you may have written that call Banner APIs.

Problem resolution #1-GLKLZ discusses the performance issue. The specific General System problem resolution for this issue is (#1-PFO9J).

The following APIs and/or supporting packages have been modified for this update:

- gokb_address1.sql
- gokb_bio1.sql
- gokb_bldg_defn1.sql
- gokb_busprofile1.sql
- gokb_busprofpii1.sql
- gokb_classtimes1.sql
- gokb_cm_data_dict1.sql
- gokb_cm_disp_hier1.sql
- gokb_cm_disp_option1.sql
- gokb_cm_rules1.sql
- gokb_cm_srce_prior1.sql
- gokb_cm_srce_rule1.sql
- gokb_cm_user_procl.sql
- gokb_cm_user_setup1.sql
- gokb_display_cols1.sql
- gokb_display_mask1.sql

- gokb_email1.sql
- gokb_emerg_cont1.sql
- gokb_fg_bprofrule1.sql
- gokb_fg_domains1.sql
- gokb_fg_domaintype1.sql
- gokb_fg_exclobj1.sql
- gokb_fg_grprule1.sql
- gokb_fg_predrule1.sql
- gokb_fg_userrule1.sql
- gokb_hold1.sql
- gokb_ident1.sql
- gokb_inst_role1.sql
- gokb_large_object1.sql
- gokb_medical1.sql
- gokb_partner_rule1.sql
- gokb_pcol_degree1.sql
- gokb_person_race1.sql
- gokb_pii_tables1.sql
- gokb_pii_usdefault1.sql
- gokb_pii_usrdomain1.sql
- gokb_prior_college1.sql
- gokb_race_ethn1.sql
- gokb_room_assign1.sql
- gokb_room_defn1.sql
- gokb_telephone1.sql
- gokb_third_party_a1.sql
- gokb_vbs_tables1.sql
- gokb_visa1.sql
- gokd_gobcmus0.sql
- gokd_gobcmus1.sql
- gokd_gobfdmn0.sql
- gokd_gobfdmn1.sql
- gokd_gobfdtp0.sql
- gokd_gobfdtp1.sql
- gokd_gobfeob0.sql
- gokd_gobfeob1.sql
- gokd_gobfgac0.sql
- gokd_gobfgac1.sql
- gokd_gobfpud0.sql
- gokd_gobfpud1.sql
- gokd_gobtpac0.sql
- gokd_gobtpac1.sql
- gokd_gorblob0.sql
- gokd_gorblob1.sql
- gokd_gorcdd0.sql
- gokd_gorcdd1.sql

- gokd_gorcmdh0.sql
- gokd_gorcmdh1.sql
- gokd_gorcndo0.sql
- gokd_gorcndo1.sql
- gokd_gorcmsc0.sql
- gokd_gorcmsc1.sql
- gokd_gorcmsp0.sql
- gokd_gorcmsp1.sql
- gokd_gorcmsr0.sql
- gokd_gorcmsr1.sql
- gokd_gorcmap0.sql
- gokd_gorcmap1.sql
- gokd_gordmc10.sql
- gokd_gordmc11.sql
- gokd_gordmsk0.sql
- gokd_gordmsk1.sql
- gokd_gorema10.sql
- gokd_gorema11.sql
- gokd_gorfbpi0.sql
- gokd_gorfbpi1.sql
- gokd_gorfbpr0.sql
- gokd_gorfbpr1.sql
- gokd_gorfdpi0.sql
- gokd_gorfdpi1.sql
- gokd_gorfdp10.sql
- gokd_gorfdp11.sql
- gokd_gorfgbp0.sql
- gokd_gorfgbp1.sql
- gokd_gorfgus0.sql
- gokd_gorfgus1.sql
- gokd_gorfpi0.sql
- gokd_gorfpi1.sql
- gokd_gorfprd0.sql
- gokd_gorfprd1.sql
- gokd_gorintg0.sql
- gokd_gorintg1.sql
- gokd_goriro10.sql
- gokd_goriro11.sql
- gokd_gorprac0.sql
- gokd_gorprac1.sql
- gokd_gorrace0.sql
- gokd_gorrace1.sql
- gokd_gorvisa0.sql
- gokd_gorvisa1.sql
- gokd_slbbldg0.sql
- gokd_slbbldg1.sql

- gokd_slbrdef0.sql
- gokd_slbrdef1.sql
- gokd_slrrasg0.sql
- gokd_slrrasg1.sql
- gokd_sordegr0.sql
- gokd_sordegr1.sql
- gokd_sorpcol0.sql
- gokd_sorpcol1.sql
- gokd_spbpers0.sql
- gokd_spbpers1.sql
- gokd_spraddr0.sql
- gokd_spraddr1.sql
- gokd_spremr0.sql
- gokd_spremr1.sql
- gokd_sprhold0.sql
- gokd_sprhold1.sql
- gokd_spriden0.sql
- gokd_spriden1.sql
- gokd_sprmedi0.sql
- gokd_sprmedi1.sql
- gokd_sprtele0.sql
- gokd_sprtele1.sql
- gokd_ssrmeet0.sql
- gokd_ssrmeet1.sql

Internationalization Changes

Changed Forms

Calendar Form (GUACALN)

This form was modified to accommodate a dual display for internationalized versions of Banner. If a single calendar display is chosen, then the default height of the calendar window is 215. If a dual display mode is chosen, then the height of the second version of the calendar can be changed.

The dual calendar display is established by the WHEN-NEW-FORM-INSTANCE trigger, which looks at the environment variable NLS_CALENDAR2.

Calculator Form (GUACALC)

A decimal was hard-coded for all NLS_LANG values other than *AMERICAN_AMERICA*. The following items were updated:

- PROCESS_INPUT
- ADD_PERIOD
- FORMAT_AMT
- ON-MESSAGE
- PRE_FORM_TRG
- CALC_BLOCK.INPUT.WHEN-VALIDATE_ITEM
- CALC_BLOCK.PERIOD_BTN.WHEN-BUTTON-PRESSED

Changed Scripts

goknls1.sql
goknls1g.sql

A format message function was added to these scripts to support Internationalization.

Miscellaneous Changed Forms

Job Submission Form (GJAPCTL)

The Workflow product name was changed in support of SunGard branding modifications in the error messages of the following triggers:

- SUBMIT_BLK.KEY-COMMIT
- SUBMIT_BLK.DISPLAY_SUBMIT_IND.WHEN-RADIO-CHANGED
- SUBMIT_BLK.DISPLAY_SUBMIT_IND.WHEN-NEW-ITEN-INSTANCE

Personal Image Form (GUAIMGE)

- The property of PERSON_IMAGE sizing style was changed from *Crop* to *Adjust*.
- The WHEN-NEW-FORM-INSTANCE trigger was changed to support the new optional environment variables BAN_GUAIMGE_ID_RANGE and BAN_GUAIMGE_EXTENSION that are a part of GOQRPLS.
- PL/SQL units INIT_GLOBAL_ID_RANGE and INIT_GLOBAL_EXTENSION were added to this form. Calls to the WHEN-NEW-FORM-INSTANCE trigger were changed for GLOBAL.IMAGE_NAME when exiting the form. This ensures that the form will only be run from an **ID** field, and will only be run by selecting Help>>Display ID Image from the form's menu.

Banner Global Initialization Form (GUAINIT)

This form was modified to handle the condition where the institution code value is missing from the parameter passed from a Workflow call. This change was made to support Multi-Institution Functionality (MIF) in Workflow.

General User Preferences Maintenance Form (GUAUPRF)

This form was modified so that the BASELINE user can now choose whether changes to baseline values are used as the default values for all current users.

Note: These options are only visible to the BASELINE user.

Next to each record on the Directory Options and the My Links tabs, the BASELINE user can choose between three values in the **Propagate** field:

- *Copy to All Users*—The value you enter for the record will be copied into all user's individual user preference rows in the GURUPRF table. Any existing user value will be overwritten with this option.
- *Copy to No Users*—The value you enter for the record will not be copied to any users.
- *Copy to Users having same value as BASELINE value*—The system will compare the old baseline value with each user's individual row for this preference. If the value on the baseline row matches the value on the user's row, then the new baseline value will be copied into the user's row. If the user's current value is different than the current baseline value (prior to the change being made), then the user value will *not* be updated to match the baseline row.

Note: Although the **Propagate** options are visible next to the record used to specify the **Oracle Reports Root Subfolder**, the only valid option is *Copy to No Users*. An error message appears if you try to change it, because the **User Value** is appended to the **Default Value**.

Miscellaneous Changed Libraries

Workflow Library (goqwflw.pll)

Two changes were made to support Multi-Institution Functionality (MIF) in Workflow:

- The G\$_WF_WAIT_FOR_WORK.WF_INIT_GLOBALS procedure was modified.
- A new global, GLOBAL.WF_VPDI_ON, checks for a missing value for the VPD parameter that is passed from Workflow to the GUAINIT form during startup.

Form Object Library (goqolib.fmb)

Note: The following changes are only available on forms that have been regenerated after installing this release. Refer to the “Introduction” section of this release guide for more information.

Extended Name and ID Search window improvements

The following changes were made to improve the performance of the Extended Name and ID Search window:

- The G\$_EXTENDED_SEARCH_BLOCK was modified to disable and hide several function keys that are not appropriate for the block.
- A KEY-EXIT trigger was added to close the Extended Search window.
- A label was added to the **Count** item.
- The trigger logic on the **Birth Date** item was changed to test if the user has entered any wildcard characters. If they have, then the g\$_date_reformat routine is not called.
- The **Date** item datatype value was changed from *DATE* to *CHAR* to support the use of wildcards.

Brand name updates

Brand name changes for the Workflow product name were made in the G\$_FORM_CLASS class for triggers PRE-FORM and WHEN-TIMER-EXPIRED.

Dynamic Procedure Library (goqrpls.pll)

Nine-digit IDs for Image files

Prior to the 7.4 release, image files that were displayed on the Personal Image Form (GUAIMAGE) had to use the following convention:

- Seven characters of the ID, starting with position three, and prefixed with the letter *I* (for example, an ID of *A01394287* would become *I1394287*). This is referred to as the *3,7* convention.
- A file extension of *.bmp* (for example, *I1394287.bmp*).

With this release, your institution can choose to use the following convention:

- Nine characters of the ID, starting with position one. (for example, an ID of *A01394287* would become *A01394287*). This is referred to as the *1,9* convention.
- A file extension of *.gif*, *.jpg*, *.tif*, or *.bmp* (for example, *A01394287.gif*).

Your institution's preference is stored in two environment variables, `BAN_GUAIMAGE_ID_RANGE` and `BAN_GUAIMAGE_EXTENSION`, which are used by the `G$_DISPLAY_IMAGE` routine. If the variables are not present or do not have values, then image files will be named using the same convention as they were prior to this release.

- `BAN_GUAIMAGE_ID_RANGE`—You can use the *3,7* naming convention, or the new *1,9* convention. If you want to name all new files with the *1,9* format, but still use the existing *3,7* files, then specify *1,9* for this variable. Then, if Banner cannot find an image file named with the *1,9* convention, it will search for one with the *3,7* format.
- `BAN_GUAIMAGE_EXTENSION`—You can specify a file extension of *.gif*, *.jpg*, *.tif*, or *.bmp*. The default value is *.bmp*, if this variable is not present, or if it does not have a value.

ID and Name Extended Search

The `G$_IDNAME_SEARCH` routine was modified to pass the query to a new routine in the `gb_identification` package. This allows the use of bind variables and the sharing of cursors among users for improved performance.

ID and Name search and performance issue for Workflow

Logic in `G$_DUPLICATE_PIDM` was changed to remove the local SQL and to instead call the `gb_common.f_pidm_exists` API that has the exact same logic.

The `G$_EXTRACT_BCC_ITEMS`, `G$_RESET_VIEW`, and `G$_GET_UPRF_WEBBKSHLF` routines were modified to remove all the existing logic, or to execute the NULL command. These routines are obsolete, but are being left in place for compatibility.

Local ID lookup

Several procedures in the G\$_GOOQLIB_FUNC_INFO_BLOCK package were updated to replace existing cursors with calls to existing APIs. The G\$_SEL_SPRIDEN_ID routine was changed to remove the local logic that was looking up an ID based on the PIDM parameter. It was changed to call the existing routine GB_COMMON.F_GET_ID.

g\$_form_call_PL for forms with dynamic name construction

The G\$_SECURED_FORM_CALL_PL was modified to check that the FORM_NAME_IN to be called is valid. Some form names that are constructed dynamically were not being found (i.e. RNANAxX).

Miscellaneous Changed DBPROCS Scripts

gokb_name_translate1.sql

In order to handle data that is entered in either mixed case or lower case, an UPPER command was added to the following functions:

- f_isequal
- f_exists
- f_queryonlock
- f_query_one

gokb_cm_rules0.sql

A new function, f_exists_by_column, was added to find any rule that uses a specified data dictionary table (GORCMDD) column. It indicates whether the object has been passed through the conversion.

goo_idname_search.sql

New object type declaration to support the ID/Name search functionality within Banner. This type is used by the gb_identification package and is used to provide a means of using the OT in a select statement.

goo_idname_search_nt.sql

A new object type declaration was added to support the ID/Name search functionality in Banner. The gb_identification package relies on this object type in order to use the OT in a Select statement.

gokb_cm_rules_s0.sql **gokb_cm_rules_s1.sql**

A new routine, CANNOT_DELETE_RULES_EXIST, was added to stop an attempt to delete a GORCMDD row that is used by a GORCMSR row.

gokb_ident0.sql **gokb_ident1.sql**

A new routine was added to perform the ID/Name search query. This routine is called by the GOQRPLS library routine, and defines a cursor for one of four different Select statements, based on the parameters that are passed to it. It then retrieves all of the matching records into a pipelined object type so the data can be retrieved, via a Select statement, from another application.

Additionally, data_origin is now set correctly in p_update, due to a change that passes the correct parameter for data_origin to the DML update.

gendbpr.sql

The following new triggers, packages and idname_search types were added to this script:

- gokoutd
- gokoutd1
- gjtprun0
- gjtprun1 (disabled MIF triggers)
- immunization API
- gvkb_gtvimmu0
- gvkb_gtvimmu1
- gvkb_gtvimst0
- gvkb_gtvimst1
- gokd_goriccr0
- gokd_goriccr1
- gokd_gorimmu0
- gokd_goriccr1
- integration configuration API

stksbgi.sql

Two new functions were added to support messaging:

- `f_query_one`
- `f_stvsbgi_exists`

Miscellaneous Changed PLUS Script

gurospl.sql

This script was modified to reduce trailing blanks in spooled output.

Miscellaneous Changed ADMIN Script

banlogic.com

New logic was define: BH (a/k/a BAN_HOME). This is used to build SQLPATH, since using BAN_HOME makes it too long.

Miscellaneous Changed MISC/COM Scripts

New forms GTVIMMU, GTVIMST, GOAIMMU and GORICCR were added to the following scripts:

- `genform.bat`
- `genformr2.bat`
- `genform.shl`
- `genformr2.shl`

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Section 8 Problem Resolutions

This section lists the problem resolutions included in Release 7.4.

Common Matching

GOAMTCH

(#1-TTTLJ)

Description: The Details window list of forms was not being cleared when Rollback was used to select a new Matching Source. When this happened, forms that were not associated with the current Matching Source appeared in the Detail window, which was incorrect.

Impact: Forms not pertinent to the current Matching Source appeared in the Detail window.

Resolution: The GORCMDO.When-New-BLock-Instance trigger was modified to clear the block of old values before populating it with new ones.

(#1-12A0K3)

Description: Addresses containing only city and nation were not considered 'complete' and therefore were not being created when a new ID was created.

Impact: Addresses containing only city and nation were not considered 'complete' and therefore were not being created when a new ID was created.

Resolution: The CM_CREATE_NEW_ID_1 trigger was modified to require the same set of form items that the gb_address API requires.

(#1-KUWC1)

Description: When a postal code (i.e. abc def) was entered on GOAMTCH, the field was not automatically stored in uppercase. Since SPAIDEN forces postal code to be uppercase, so should GOAMTCH.

Impact: When a postal code (i.e. abc def) was entered on GOAMTCH, the field was not automatically stored in uppercase. Since SPAIDEN forces postal code to be uppercase, so should GOAMTCH.

Resolution: The form item GOTCMME.GOTCMME_ZIP Property Functional.Case Restriction was changed from *Mixed* to *Upper*.

(#CMS-DFCT103345)

Description: The current address was not available after Common Matching updated the existing ID. It should have been marked inactive and the new address sequence number should have been inserted with the current date as the **From** date.

Impact: The sequence 2 address remained unchanged, but the sequence 1 address, with the current date range marked inactive, left the person with no current address.

Resolution: The F_CM_UPDATE_ADDRESS function was modified by adding a new cursor to find any current address by date, and by modifying an existing cursor to find the address sequence number for the current address.

GORCMRL

(#1-TOINR)

Description: When you inserted a new row, and then used F10 to save the row, your record was saved but the user ID was placed on the following line. Also, if you attempted to delete the newly created row, you received a “record has been updated by another user” message.

Impact: Your user ID appeared on a new line after creating and saving a record with the F10 key. You could not then delete the extra new record.

Resolution: You can now create and save records correctly when using the F10 key.

GORCMSC

(#1-MXHZL)

Description: An ORA-6502 error occurred when the **E-mail Code** had a description greater than 30 characters.

Impact: If an e-mail code was entered on GORCMSC that had a description greater than 30 characters, the following error appeared when the user tabbed out of the **E-mail Code** field: *FRM-40735: WHEN-VALIDATE-ITEM trigger raised unhandled exception ORA-06502.*

Resolution: The WHEN-VALIDATE-ITEM triggers for the **Address Code**, **Telephone Code**, and **E-mail Code** fields in the Hierarchy of Display blocks were changed to use %TYPE syntax instead of VARCHAR2. Additionally, several key triggers were updated so that they are visible via the ShowKeys function.

GOVCMRT

(#1-FWKD1)

Description: Missing grant to INTEGMGR on GOVCMRT view.

Impact: Partner applications could not query Common Matching results through the GOVCMRT view.

Resolution: Grant select was added to INTEGMGR so that Campus Card and Housing integrations can review the Common Matching results.

gokcmpk1.sql

(#1-143P44)

Description: If there were two or more aliases set up for the same vendor, GOAMTCH aborted with a unique constraint error when a partial name was entered.

Impact: An Oracle error occurred.

Resolution: Secondary name matching logic was modified so that if the last name and first name match, then the transpose logic is not performed. The logic was also changed to store the matching results after the first and last names, prior to performing any name transpose logic. A subquery was added to eliminate duplicates to the primary name logic that is specific to non persons.

(#1-17SOAV)

Description: Potential matches were incorrectly marked as "New" or "Match" rather than "Suspend" by Banner Student and Banner Financial Aid batch matching processes.

Impact: Records were marked as 'New' or 'Match' rather than suspended.

Resolution: The secondary name match logic was changed to update the status counts after doing the last name comparison.

(#1-NUQP6)

Description: 7.3 Common Matching considers a match to be 'exact' when the Last Name and SSN match, and ignores other conditions of the rules.

Impact: When Last Name and SSN matched, the record was considered a match and other elements were ignored in the secondary match.

Resolution: The logic was modified in the secondary SPBPERS matching procedure so an exit is not forced from the procedure if the SSN was matched in a primary SSN search.

(#1-V2AQH)

Description: Record with no SSN appeared on the Match tab. With **Transpose First Name/ Last Name** checked, Common Matching results on GOAMTCH were wrong.

Impact: Incorrect matching results.

Resolution: The secondary name match logic was changed to update the status counts after doing the last name comparison.

(#1-V2AX2)

Description: GOAMTCH resulted in an error when the Matching Source had the **Transpose First Name/ Last Name** check box checked on GORCMSC.

Impact: GOAMTCH displayed the following error: *ORA-00001 unique constraint (general.gotcmrt_key_index) violated.*

Resolution: The logic in the primary name matching procedure was changed to verify that first name is included in the rule, and that it is not null in order to perform the name transpose search. Logic was also added to the P_INSERT_NAMES routine (which is called by P_PRIMARY_MATCH_NAME) to verify that all name items are not null after applying the length rules in order to perform the search.

(#1-WEM6R)

Description: Blank spaces were not removed from non-person names.

Impact: Non-person names containing blank spaces did not correctly find potential matches because the matching package did not remove spaces prior to finding potential matches.

Resolution: The logic that calculates the length of the name items as part of the length override was updated.

Common Forms

GOAADRL

(#CMS-DFCT97656)

Description: Form GOAADRL does not allow users to specify the "FRIEND" role that was added to Self-Service Banner.

Impact: Without being able to set up address rules for the "FRIEND" role, users with only this role are unable to view/update address information in the Personal Information section of Self-Service Banner.

Resolution: The "FRIEND" role was added to this form.

GOAEMAL

(#CMS-DFCT103001)

Description: The CHECK_TO_SAVE trigger retrieved a variable instead of getting the value directly.

Impact: Translation Manager did not determine the correct value for non-U.S. values.

Resolution: The form-level trigger CHECK_TO_SAVE was modified to simplify the code and to change the error message assignment so that Translation Manager can properly handle the string.

SLARDEF

(#CMS-DFCT68853)

Description: All records were being displayed, even if a specific term had been entered in the key block.

Impact: All room records were displayed in the Room Definition block, regardless of the term code entered in the key block to request a specific term or record.

Resolution: The WHERE clause on the SLBRDEF block has been modified to check for the effective term, instead of for all terms.

SHACOMI,
SLAEVNT

(#CMS-DFCT84395)

Description: Users were experiencing a problem with slow functioning of SHACOMI when accessing SLAEVNT.

When you created a committee record on STVCOMT, then entered the committee data on SHACOMI, and then selected the Schedule Meeting item from the Options Menu to access SLAEVNT, Banner appeared to hang. If you waited, SLAEVNT was eventually displayed after about three minutes

Impact: Processing was slowed measurably when using SLAEVNT with SHACOMI to work with committee and event information.

Resolution: This has been corrected. The cursor in the CHECK_SLBEVNT form level trigger in SLAEVNT has been split to handle the null associated ID and to use the SLBEVNT Primary Key.

Events Forms

GEAATTD

(#LN70-0143-1745)

Description: When accessing the main window of the form (from either the key block or the Guest window), any persons listed as deceased on the Guest window caused the deceased warning to appear twice, making it appear as if the person in the main window was deceased.

Impact: The deceased and confidential pop-up messages appeared more often than they should, causing confusion.

Resolution: New display-only **Deceased** and **Confidential** check boxes were added to the Guest window and the Invitee window. Also, when guests or invitees exist who are either deceased or confidential, the user no longer receives pop-up warnings related to deceased or confidential people while scrolling through data on the form. Lastly, the deceased and/or confidential pop-up warnings display when entering new IDs on the Guest and Invitee windows only if the user preference for displaying the deceased and/or confidential additional warning is checked on GUAUPRF.

(#CMS-DFCT106062)

Description: Querying on a specific ID did not work.

Impact: You could not query on a specific ID.

Impact: The query functionality on this form was corrected.

(#CMS-DFCT97651)

Description: A navigation error on this form led to the message: **Error* Name is Invalid* appearing.

Impact: An error message appeared when it should not have.

Resolution: The message no longer appears.

(#1-VYF5B)

Description: If you entered an Extended Search, you were forced to select a name and then delete it if you did not want that particular name. There was no way to close the Extended Search box.

Impact: If you entered an Extended Search, you were forced to select a name and then delete it if you did not want that particular name. There was no way to close the Extended Search box.

Resolution: The code in triggers WHEN-WINDOW-CLOSED and WHEN_WINDOW_ACTIVATED_TRG was replaced with standard trigger contents.

GEAATID

(#CMS-DFCT105823)

Description: Navigating to the Guest Information block on GEAATID took the user back to the main menu.

Impact: Going to the next block exited the form instead.

Resolution: You can now navigate correctly to the Guest Information block.

GEAPART

(#1-15EK47)

Description: The options available from the Address Type button on this form included forms that are now obsolete.

Impact: The options included obsolete forms.

Resolution: Obsolete forms were removed from the list, and replaced with equivalent General Common forms.

GOAEQRM

(#1-TL9HF)

Description: The **Activity Date and Time** field did not display the time component.

Impact: The time was not visible.

Resolution: The time component was added to the field.

(#1-VDOEC)

Description: The event status was not accurately reflected on the Event Queue Maintenance Form (GOAEQRM).

Impact: Events in a status of "3" were inaccurately represented in the Banner event queue. This made event troubleshooting more difficult.

Resolution: The description of event status code "3" was changed from "Hold" to "Processed No Event Generated (3)" to accurately reflect the event status.

Population Selection

GLAEXTR GLIEXTR	(#1-FX5L9) Description: The dialog box messages for Confidential/Deceased messages were different for <i>Extract Data Extract with Key</i> than for <i>Data Extract No Key</i> . Impact: The dialog box messages were not consistent. Resolution: The message dialog boxes were removed.
GLISLCT	(#CMS-DFCT104693) Description: When using the mouse to exit from this form with a value, the exit function did not function consistently. Impact: The exiting function was not consistent. Resolution: GLISLCT now allows for consistent mouse double-click selection when called from the list.
GLRSLCT GLRVRBL	(#1-156EKW) Description: The following message appeared: <i>Record has been updated by another user. Re-query to see change.</i> Impact: The following message appeared: <i>Record has been updated by another user. Re-query to see change.</i> Resolution: <code>Glrslect.glrslct_activity_date</code> was set to type <i>DATE</i> and size <i>11</i> , where it had been set to <i>CHAR</i> and <i>30</i> . (#CMS-DFCT102961) Description: These reports inconsistently allowed leading spaces in data entry fields. Impact: Leading spaces could appear in data fields. Resolution: Leading spaces no longer appear in data entry fields for these reports.

Job Submission

GJAPCTL	(#1-NYFC5) Description: The canvas of this form had a extraneous “dot” on it. Impact: Users thought there was something on their monitor, when in fact it was a spot on the form. Resolution: The dot was removed from the canvas.
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GJAPDFT

(#CMS-DFCT96522)

Description: You could not use Record>>Insert to add user defaults.

Impact: When adding user's defaults in GJAPDFT, you could not use Record>>Insert to add multiple rows for parameters that allow multiple values.

Resolution: A new trigger was added to the User Parameters block to resolve the problem. In addition, the option to copy defaults to a new user is disabled when the cursor is in the User Defaults block.

(#CMS-DFCT101960)

Description: The following message incorrectly appeared: *Default Parameter set created for process GJRRPTS for user SAISUSR.*

Impact: The message *Default Parameter set created for process GJRRPTS for user SAISUSR* was received on GJAPDFT. This message should not have appeared since the form was running in Query mode only and no default parameters were created.

Resolution: The form was changed to no longer display this message in Query mode.

(#CMS-DFCT105726)

Description: The AutoHelp had incorrect instructions on how to remove user defaults. Additionally, when you added a user default by using the LOV button, the system automatically asked if you wanted to save your changes.

Impact: The AutoHelp had incorrect instructions on how to remove user defaults. Additionally, when you added a user default by using the LOV button, the system automatically asked if you wanted to save your changes.

Resolution: The navigation was modified to move between the blocks without saving, and the autohint text was corrected.

(#CMS-DFCT104646)

Description: The following error message appeared: *FRM-40105: Unable to resolve reference to item G\$_OPT_BLOCK.SELECT_A_DESC.*

Impact: The following error message appeared: *FRM-40105: Unable to resolve reference to item G\$_OPT_BLOCK.SELECT_A_DESC.* The Search should have taken the user to ROIAIDY for the list of values, or indicated that there were no LOVs, if none existed. Only certain processes lead to this message being received, while others do not.

Resolution: The missing object group and window is now provided.

System Functions

- GUACALC** (#CMS-DFCT699220)
Description: There was a problem with GUACALC and decimal points with NLS_LANG=FRENCH_FRANCE.WE8ISO8859P1.
Impact: There was a problem with GUACALC and decimal points with NLS_LANG=FRENCH_FRANCE.WE8ISO8859P1.
Resolution: This form now works correctly.
- GJIREVO** (#1-PE5DJ)
Description: For Data Extract users, selecting the Save button, choosing File>>Save, or using key-commit did not work correctly when the **Data Extract Format** record on GUAUPRF was set to *WEBUTIL*.
Impact: For Data Extract users, selecting the Save button, choosing File>>Save, or using key-commit did not work correctly when the **Data Extract Format** record on GUAUPRF was set to *WEBUTIL*.
Resolution: The GUROUTP.KEY-COMMIT routine was modified to execute the SAVE_AND_PRINT trigger, so Data Extract with *WEBUTIL* now works correctly.
- GUAUPRF** (#1-L28AR)
Description: If the **User Value** was blank for the record where users specify their Oracle Reports Root Subfolder name, then the **Default Value** was inserted. This caused a leading forward slash (/) to be inserted, which prevented the report from running correctly.
Impact: Oracle Reports did not run correctly for users with a blank **User Value** for their Oracle Reports Root Subfolder record.
Resolution: Banner inserts *DEFAULT_BEHAVIOR* if the **User Value** is blank for this record.
- Note:** This action does not occur for the BASELINE user.
- (#1-PVUN2)
Description: All rows of GUAUPRF (including GURUPRF table) were defaulted in the first time a user accessed GUAUPRF (other than the BASELINE user). Because of this, any changes (including web output URL, data extract method, reports server, images directory) required an update statement for users to see the changes.
Impact: All GUAUPRF values were defaulted into the fields the first time a user accessed this form.
Resolution: This form now functions correctly.

GOAWFED	(#1-NGK5F) Description: F5 navigation to other forms from this form did not work correctly. Impact: Navigation to other forms from this form using the F5 key did not work. Resolution: F5 navigation on this form now works correctly.
GUAMESG	(#1-N54W0) Description: Querying on a specific Reference ID did not work. Impact: All rows were returned instead of the one queried. Resolution: Reference ID is not a database field, and therefore is not queryable. The properties of that field were changed to prevent queries.
GUAOPTM	(#CMS-DFCT105067) Description: This form did not require the user to provide an item to navigate to if an option was created to navigate to a window. Impact: This form did not require the user to provide an item to navigate to if an option was created to navigate to a window. Resolution: The form now requires the user to provide an item to navigate to if an option is created to navigate to a window.

APIs

gb_identificatio n	(#1-TIYX9) Description: There was a problem with the gb_identification API (gokb_ident1.sql) and parameter calls to local user exits. Impact: There was a problem with the gb_identification API (gokb_ident1.sql) and parameter calls to local user exits. Resolution: The parameter list for p_create user exit call was modified, and moved to a position further in the code so it would pass the generated PIDM and/or ID values to the user exit.
gokb_pcol_degr ee_r1.sql	(#1-LPDEB) Description: The package was invalid if the Student system was not installed, due to a call to the SB_STVEGOL.F_CODE_EXISTS routine. Impact: The package was invalid. Resolution: The p_validate procedure was modified: <ul style="list-style-type: none">• A new cursor, gubinst_c, was added.• Two new variables, lv_student_installed and lv_egol_found, were added.• Code was changed to use native dynamic SQL to call SB_STVEGOL.

Security

GUAPSWD	(#CMS-DFCT105741) Description: This form allowed a password change with role <i>BAN_DEFAULT_Q</i> (Query). Impact: The form allowed password changes for an inappropriate role. Resolution: The form now works correctly.
GSASECR	(#1-LJ11V) Description: After installing the 7.3 release, Distributed Security users could only access the Summary button on the User tab of this form, and could no longer access the Modify button . Impact: Distributed Security users could not access the Modify button. Resolution: Distributed Security users can now access both buttons correctly.
gspvpds.sql	(#1-XV9OZ) Description: The multiuse context did not exist in <code>gspvpds.sql</code> , which resulted in an error. Impact: An error occurred. Resolution: A multituse context was added.

Miscellaneous

GOAINTL	(#CMS-DFCT88331) Description: Entering a country name with five or fewer letters converted to the Country code on STVNATN, while a longer country name did not convert to the Country code on STVNATN. This was inconsistent with the Nation of Issue in the Visa Information block, which allowed 30 characters and retrieved the matching STVNATN values. Impact: Entering a country name with five or fewer letters converted to the Country code on STVNATN, while a longer country name did not convert to the Country code on STVNATN. This was inconsistent with the Nation of Issue in the Visa Information block, which allowed 30 characters and retrieved the matching STVNATN values. Resolution: The length of the country name to enter was increased to 30.
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(#CMS-DFCT95036)

Description: There was a problem with GOAINTL when adding more than four document codes in the Document block.

Impact: If you tried to enter more than 4 document codes, and then attempted to perform a Record>>Insert, the Insert Record toolbar button, or a keystroke (F6), then the error **ERROR* Invalid Function* appeared. However, if the down arrow was used, or Ctrl+l, a new field opened for a new document code.

Resolution: A new record is now created when the Insert key is used.

gurchks.exe

(#CMS-DFCT103808)

Description: The GURCHKS.EXE file is obsolete in Banner 7.x and needs to be removed.

Impact: The GURCHKS.EXE file needs to be removed.

Resolution: This file was made obsolete.

sufname.sql

(#CMS-DFCT104120)

Description: This script was missing a grant to WebTailor.

Impact: Without this grant, when the functions were dropped and rebuilt using gendbpr.sql, you may have run into a problem when accessing the SSB product.

Resolution: Sufname.sql was modified to add gurgrtb.

GORRGTM
GORRSTS

(#CMS-DFCT99247)

Description: The main menu displayed a message that the maximum number of open forms had been exceeded when calling these two forms.

Impact: Users could not continue calling forms in Banner, even though they had not really exceeded the maximum number of open forms.

Resolution: Logic that was in the local version of the POST-FORM trigger in these forms was moved to the POST_FORM_TRG. These forms are now counted correctly by Banner when displaying the number of open forms.

GUBIPRF
GTVVOBJ
GTVNTYP
GORWFDS
GURUOBJ
GURAOBJ
GURALOG
GUBROLE

(#CMS-DFCT47640)

Description: These tables did not have any comments.

Impact: These tables did not have any comments.

Resolution: The following scripts provide comments for these tables:

- gubiprf1.sql
- gtvvobj1.sql
- gtvntyp1.sql
- gorwfds1.sql
- guruobj1.sql
- guraobj1.sql
- guralog1.sql
- gubrole1.sql

GURPDED

(#CMS-DFCT96238)

Description: Running GURPDED resulted in incorrect table and column comments for the following tables and view:

- GORCCRD
- GORCGEO
- GORMERC
- GORPGEO
- GORSGEO
- GOVSVSD
- GTVSCOD
- GTVVOBJ
- GTVVPDI
- GTVZIPC
- SPRMEDI
- SSBSECT
- GOVSVSD

Impact: Some tables and a view had incorrect comments.

Resolution: The following scripts were delivered to correct the comments and to create the view:

- gorccrd1.sql
- gorcgeol.sql
- gormerc1.sql
- gorpgeol.sql
- gorsgeol.sql
- govsvsd1.sql
- gtvscod1.sql
- gtvvobj1.sql
- gtvvpdi3.sql
- gtvzipc1.sql
- sprmedi8.sql
- ssbsect4.sql
- govsvsd.sql

GOAMEDI

(#1-O4G1L)

Description: When attempting to update a medical code, the GOAMEDI form appeared to allow the update and save. However, the update was not actually saved.

Impact: When attempting to update a medical code, the GOAMEDI form appeared to allow the update and save. However, the update was not actually saved.

Resolution: The SPRMEDI.On-Update trigger was modified to delete, then insert, if **Medical Code** has changed. Additionally, other small changes were made to improve layout and display one additional record on the form.

GUISRVS	(#1-FKTVT) Description: There was a navigation problem on this form. Impact: There was a navigation problem on this form. Resolution: The navigation is now correct.
GUASRVY	(#CMS-DFCT102625) Description: It was possible for survey data in the GORSRVR table to be “orphaned.” Impact: It was possible for survey data in the GORSRVR table to be “orphaned.” Resolution: Code was added to the delete trigger to check whether any subordinate records exist in the database, and to provide the user with an appropriate message. Also, a new Responses block allows for deleting of these rows, which did not exist online before.
GUAHELP	(#CMS-DFCT96663) Description: An error occurred when Dynamic Help was called from certain forms. Impact: An error occurred when Dynamic Help was called from certain forms. Resolution: A trigger’s internal variable was expanded from 355 characters to 4,000 characters to match the database column length.
ggivedba.sql	(#CMS-DFCT101871) Description: There was a problem with BANSSO account and ORA-01035: ORACLE only available to users with RESTRICTED SESSION privilege. Impact: There was a problem with BANSSO account and ORA-01035: ORACLE only available to users with RESTRICTED SESSION privilege. Resolution: Added note to Upgrade Guides explaining the owners in ggivedba get the role of DBA in case the upgrade is running when rdbms is in restricted mode. Add BANSSO to ggivedba in case installer uses restricted session during the upgrade. The users will have a default role of dba after running ggivedba.
goktpt1.sql guapprf.fmb gubpprf1.sql	(#1-HW0RF) Description: The default length of the Third Party ID Preferences field (GOBT PAC_EXTERNAL_USER) was too short. Impact: Users could not have PINs that used more than the first six characters of their last names. Resolution: A new column to store the length of the last name was added to GUAPPRF, so that institutions can either use the default length of seven characters for last names, or change it to up to 29 characters. Additionally, goktpt1.sql was modified to check the value of this new column. New script gubpprf1.sql creates the new column in the GUBPPRF table.

dml_ssbsect0.sql 	(#1-G7KLZ) Description: The dynamic update statements executed by the DML packages did not fully use bind variables for all runtime values. This caused system performance issues. Impact: The dynamic update statements in the APIs caused extra hard parsing of new cursors at runtime, affecting system performance by increasing parsing overhead, cached cursors, and latch contention. Resolution: The objects were modified to change the DML p_update procedure to use an explicit, rather than dynamic, update. Where necessary, the cursor in f_query_one_lock was split, so that there are distinct select statements for ROWID or Primary Key access.
sufadrs.sql	(#1-S3X7L) Description: The function f_get_address_rowid did not return a valid address rowid when the valid address did not have a spraddr_to_date and the input parameter address_date was in the future. Impact: A valid address was not returned for future dates. Resolution: The function f_get_address_rowid now returns the correct rowid.
sufadte.sql	(#1-S3X90) Description: The function f_get_address_telephone_rowid did not return a valid address rowid when the valid address did not have a spraddr_to_date and the input parameter address_date was in the future. Impact: A valid address was not returned for future dates. Resolution: The function f_get_address_rowid now returns the correct rowid.
gokfun1.sql	(#CMS-DFCT94657) Description: The audit trail for credit card payments (GORCCAU) was not updated correctly when AUDITMODE was set to T on GTVSDAX, and an INSERTERROR was encountered in the non-secure (Self-Service) Student Admissions area. This happened because the General code converted the user's ID to a PIDM. In the non-secure Admissions area, users do not have a PIDM, and thus a zero was inserted into the GORCCAU_PIDM column. When an INSERTERROR occurred, this record was updated from an approval to a denial. However, if multiple users were submitting credit card payments at the same time, it was possible that the wrong record was updated, since all users in the non-secure area had a 0 for their PIDM. Impact: It was possible that the wrong record was updated. Resolution: Procedure p_insert_gorccau was revised in gokfun1.sql to use the ID instead of PIDM when updating GORCCAU. This procedure is called by credit card packages in Banner Self-Service products.

Libraries

- goqclib.fmb (#1-W2FWY)
Description: You could not create an address sequence with a sequence number of your choosing. FTMVEND automatically assigned the next available sequence number within the address type specified.
Impact: You could not create an address sequence with a sequence number of your choosing. FTMVEND automatically assigned the next available sequence number within the address type specified.
Resolution: SPRADDR.ON - INSERT was modified to null out the SPRADDR.SPRADDR_SEQNO only if the global GLOBAL.USE_FINANCE_RULES is not Y.
- Note:** If you have Banner Finance installed, the following forms must be regenerated:
- FTMAGCY
 - FTMCUST
 - FTMFMGR
 - FTMVEND
- goqrpls.pll (#1-10J53J)
Description: The complete message did not appear for the following Oracle error message: **ERROR* Call to DO_EXEC_SQL routine failed.*
Impact: The complete message did not appear for the following Oracle error message: **ERROR* Call to DO_EXEC_SQL routine failed.*
Resolution: The complete message is now visible.
- (#1-PD501)
Description: Masking a date field on a form allowed access to GUACALN, revealing the full value of the masked date. This problem affected all forms with date fields.
Impact: Masking a date field on a form allowed access to GUACALN, revealing the full value of the masked date.
Resolution: The G\$_MOUSE_DOUBLECLICK routine was updated to check the item's status prior to launching GUACALN, rather than launching the calendar and then testing if the value can be copied back. This is so that if an item is concealed or partially masked, the user cannot see the value by having it displayed in the calendar form.

(#1-UUD85)

Description: After dismissing GUAERRM, the options menu was disabled.

Impact: The options on the menu were disabled after an error message displayed via GUAERRM, until a rollback was performed.

Resolution: The G\$_DISPLAY_ERR_MSG routine was changed to refresh the options after dismissing the GUAERRM form.

(#1-HRQ33)

Description: The contents of the **Comment** field and the **Date** field were combined in the resulting data extract file.

Impact: The contents of the **Comment** field and the **Date** field were combined in the resulting data extract file.

Resolution: Logic was modified to pad the columns with spaces, if needed.

(#1-Y4Q1N)

Description: Data Extract incorrectly defaulted to *WEBUTIL*.

Impact: Data Extract was being sent erroneously to *WEBUTIL* if a lowercase value of *file* or *text* was found on User Preferences.

Resolution: An UPPER function was added to G\$_GET_UPRF_DE_MIME_TYPE. Pre- With this fix, any value entered is now interpreted as all uppercase.

(#1-10J53J)

Description: The error message was truncated for the error message: **ERROR* Call to DO_EXEC_SQL routine failed.*

Impact: The error message was truncated.

Resolution: The entire error message now appears.

(#1-E9U9D)

Description: The last ID displayed on GLAEXTR replaced the current GLOBAL ID.

Impact: The last ID displayed on GLAEXTR replaced the current GLOBAL ID.

Resolution: A condition was added to value the GLOBAL.KEY_IDNO in PL/SQL unit G\$_VALID_ALL_ID only when you are in a KEY_BLOCK.

(#1-ZRFR8)

Description: Beneficiary IDs were replacing the original ID in the key block on Rollback.

Impact: Beneficiary IDs were replacing the original ID in the key block on Rollback.

Resolution: A condition was added to value the GLOBAL.KEY_IDNO in PL/SQL unit G\$_VALID_ALL_ID only when you are in a KEY_BLOCK.

goqolib.fmb

(#CMS-DFCT85566)

Description: When searching for names in the key block of any form, mixed results appeared, due to a filter from a previous query not being cleared by the system.

Impact: When searching for names in the key block of a form, there were inconsistent results if a filter was used in a previous query in the Extended Search window.

Resolution: Consistent results are now produced when searching for names in the key block of a form after using a filter in a previous query within the Extended Search window.

(#CMS-DFCT70800)

Description: In the *Reduce search by area* of the Extended Search window, the search did not return any students if the % wildcard was used in the **Birth Date** field.

Impact: In the *Reduce search by area* of the Extended Search window, the search did not return any students if the % wildcard was used in the **Birth Date** field.

Resolution: The *Reduce search by area* of the Extended Search window now performs correctly.

(#CMS-DFCT103244)

Description: An Oracle error appeared on GEAFCOM if a value greater than five characters was entered in the **Room** field of the Function Information window.

Impact: An Oracle error appeared on GEAFCOM if a value greater than five characters was entered in the **Room** field of the Function Information window.

Resolution: The maximum size of the of the **Room** field was increased from five to 10 characters.

(#1-GIR5Y)

Description: This library was causing Oracle errors when using the F5 key to go to other Banner forms from GJIREVO.

Impact: Oracle errors occurred while using the F5 to navigate to other forms.

Resolution: Two changes were made to the G\$_NAV_BLOCK.CALL_ROUTINE:

- The GLOBAL.FORM_WAS_CALLED routine was set to null.
- The GLOBAL.NAV_FRAME_CALL routine was set to Y.

Also, the global GLOBAL.FORM_WAS_CALLED was set to null to stop erroneous auto-navigation when called from the F5 key.

Lastly, the global GLOBAL.NAV_FRAME_CALL was set to Y to allow the called form to have the select disabled, thereby allowing the double-click to launch the LOV properly.

(#1-4SLY9)

Description: The Extended Search feature did not clear the Search criteria correctly when the Rollback function was used.

Impact: The Extended Search feature did not clear the Search criteria correctly when the Rollback function was used.

Resolution: The Extended Search feature now correctly clears the Search criteria on Rollback.

Cobol Programs

GLBDATA.pco

(#CMS-DFCT103448)

Description: The audit trail information was incorrect.

Impact: The audit trail information was incorrect.

Resolution: The object is being delivered as part of this release so that the audit trail and program version in the log file are consistent.

(#CMS-DFCT104887)

Description: In the Linux version of this program, an extra row of "#####" sometimes appeared in the output.

Impact: GLBDATA inserted an extra GLBSLCT row in LINUX.

Resolution: The following code was removed from GLBSLCT to correct this problem: where `ascii(substr(GLBSLCT_selection, 1, 1)) = 0;`

(#CMS-DFCT46581)

Description: The Help Text did not contain correct information.

Impact: The Help Text told the user to enter *S* to display SQL statements, *I* for SQL and Inserts, and *Y* for paragraphs. However, Parameter 8 actually works like this:

- Parameter 8 = *S* will display no debug information.
- Parameter 8 = *I* will display no debug information.
- Parameter 8 = *Y* will display the SQL, Inserts and Paragraphs debug info.

Resolution: Help Text for parameter 8 now describes the correct functionality.

(#CMS-DFCT89781)

Description: The GJAPCTL form would not validate GLRLETR parameter *Application* for valid values.

Impact: The GJAPCTL form would not validate GLRLETR parameter *Application* for valid values.

Resolution: SEED data were added through the GJAPDEF form to the GJBPDEF table to update the GLRLETR process' Parameter 1 with a validation value of *GLBAPPL_EQUAL*. Now the GJAPCTL form will edit the job's GLRLETR *Application* parameter for valid values, like it does for job GLBDATA.

(#CMS-DFCT85471)

Description: GLBDATA was missing Selection ID LOV for parameter 01 and 02.

Impact: Users could not choose Selection ID for parameter 01 and 02 from an LOV when running GLBDATA.

Resolution: SEED data were added through form GJAPDEF to table GJBPDEF to update *Process* GLBDATA parameter 01 and 02 to add *List* value of *GLISLCT*. Now form GJAPCTL will display LOV for job GLBDATA parameter Selection Identifier 1 and Selection Identifier 2.

ProC Makefile

sctproc.mk

(#CMS-DFCT91558)

Description: The UNIX General C compile script (gencmplc.shl) gave the following warning: *no explicit type given (E_NO_EXPLICIT_TYPE_GIVE)*.

Impact: The UNIX General C compile script (gencmplc.shl) gave the following warning: *no explicit type given (E_NO_EXPLICIT_TYPE_GIVE)*.

Resolution: On SunSolaris, the following addition was made to the ProC precompiler options: `PROCFLAGS=code=ansi_c`.

INSTALL Script

banssodir.sql

(#CMS-DFCT104629)

Description: There was a problem with the location of `banssodir.sql`.

Impact: There was a problem with the location of `banssodir.sql`.

Resolution: This script was migrated to the Banner Home\Install directory. No changes were made to the script or directions.

ADMIN Script

banlogic.com (#CMS-DFCT97523)
Description: There was a problem with the SQL script not being found during upgrades via SQLPATH/ORACLE_PATH related to banlogic.com.
Impact: There was a problem with the SQL script not being found during upgrades via SQLPATH/ORACLE_PATH related to banlogic.com.
Resolution: Defined new logical, BH (a/k/a BAN_HOME). This will be used to build SQLPATH since using BAN_HOME makes it too long. In other words, BH is a length of 2 and BAN_HOME is a length of 8. Every plus directory will be appended with the shorter prefix which makes the entire length of the combined plus directories as SQLPATH much shorter.

PLUS Scripts

gurrddl.sql (#1-11HWDR)
Description: This utility script no longer worked in OAS 10g.
Impact: This utility script no longer worked in OAS 10g.
Resolution: This script now works in OAS 10g.

gchkbgrt.sql (#1-LVGH3)
Description: When running gostage and the script gbg70300.sql, the following error occurred: *Grant select, insert, update, delete, references on HR_ODIN_AD to BANINST1 with grant option *ERROR at line 1: ORA-30657: operation not supported on external organized table.*
Impact: An error occurred.
Resolution: The gchkbgrt.sql script was modified to exclude tables where IOT_TYPE is not null, not just those of IOT_TYPE = IOT_OVERFLOW.

gchksec.sql (#CMS-DFCT103855)
Description: Running gchksec.sql after the General 7.1 upgrade, errors related to G\$_OREP_SECR, G\$_OREP_SECR_PKG occurred.
Impact: It was not possible to get correct results.
Resolution: The tests for obsolete G\$_OREP_SECR_PKG synonym and package G\$_OREP_SECR_PKG were removed.

gchksyn.sql

(#1-GLJEJ)

Description: There was a problem with upgrade/gostage and gchksyn.sql hanging and causing a performance issue in the Oracle database.

Impact: Upgrades could not be run that attempted to create synonyms on a 10g database.

Resolution: All_synonyms was changed to dba_synonyms for 10g performance issue. This change also required a grant select on dba_synonyms to baninst1.