



Banner General - Release Notes, August 2020

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Banner General, Release Notes

These release notes describe new features, enhancements, and updates in the Banner General 8x and 9x releases.

For previous versions of release documentation not available here, go to the Ellucian Customer Center and search for the content pack with the product name and version number you are seeking.

To download more documents to support the installation or upgrade of a release, such as the resolutions report and object list, click **More**  and then **Attachment** to select a zip file associated with the release.

Release 8.12.2/9.3.18

The Banner General 8.12.2/9.3.18 release contains new features, enhancements and defect resolutions.

Supporting documentation for this release includes the following files:

1. Banner_General_Upgrade_Guide_8.12.2_August_2020.pdf
2. Banner_General_Resolutions Report 8.12.2.txt
3. Banner_General_Resolutions_Report 9.3.18.txt
4. Banner_General_Object_List_8.12.2_August_2020.pdf
5. Banner_General_Page_List_9.3.18_August_2020.doc
6. Banner_General_903180004_Installation_Reference.txt
7. Banner_General_Use_8.12.2_9.3.18_August_2020.pdf
8. Banner_General_Configure_8.12.2_9.3.18_August_2020.pdf

To download these files, click **More**  and then **Attachment** to select the zip file associated with the release.

New Features

Data Privacy Extract (GJRDPEX) job submission process

This release introduces the new Data Privacy Extract (GJRDPEX) job submission process.

This process provides institutions the ability to locate and extract all of the Banner data for one or more individuals from the Banner database (baseline and localized products) for a given ID or Population Selection in support of data privacy regulations, such as the "Right to Know" and "Right to Access" elements of the General Data Protection Regulation (GDPR).

The GJRDPEX process writes all extracted data for each ID to a CSV file and generates a unique password. It then compresses the CSV into a ZIP file, protected with the password, and emails the

unique password to the preferred email address for that ID on record. The institution can choose to override that option and send the one-time password to an institutional administrator instead, as defined on the Banner Applications Configurations (GUACONF) page. The institution can then provide the requestor with the ZIP file which they can access using the generated password provided. For Population Selection's used in the GJRPDEX process, unique and separate ZIP files are generated for transmission to the requester. If the requester loses the generated password, the institution must run the data extract process again to generate a new password and CSV file.

The output ZIP file is available to download from the Saved JobSub Reports (GJAJLIS) page if you have GJRDPEX enabled on the JobSub Output Definition (GJAJBMO) page.

The GJRDPEX process introduces additional administrative configurations for the BAN_GEN application available on the Banner Applications Configurations (GUACONF) page.

Ellucian delivers GJRDPEX in the BAN_ADMIN_C security class with the BAN_DEFAULT_M role assigned.

This enhancement satisfies CR-000173394.

Related concepts

[Data Privacy Extract \(GJRDPEX\) process](#)

New view script and view

The `gjvdpex.sql` script creates a new GJVDPEX view containing all tables within the database that contain a column ending with PIDM in the column name (e.g. TABLE_PIDM) and the Datatype = NUMERIC, across all schema's, to identify a person.

This search includes customizations as long as they use the standard naming conventions of *TABLE_PIDM*.

The new GJVDPEX view contains the list of all tables that the Data Extract (GJRDPEX) process performs searches on looking for data.

Column	Comment
GJVDPEX_OWNER	OWNER: Table owner.
GJVDPEX_TABLE_NAME	TABLE NAME: Table name.
GJVDPEX_COLUMN_NAME	COLUMN NAME: Column name.

New DML scripts

This release delivers new DML scripts containing the seed data for the Data Privacy Extract (GJRDPEX) java batch processes.

Script	Description
gjbjobsi_081202.sql	Seed data used to create the job.
gjbpdfi_081202.sql	Seed data used to add default values for job.

Script	Description
gjbpxvali_081202.sql	Seed data used to define job parameters validation values for each job.
gjrbmoi_081202.sql	Seed data used to define job file upload activity and mime detail for each job.
gobfeobi_081202.sql	Seed data used to exclude job from FGAC processing rules.
gubobjsi_081202.sql	Seed data used to add the job to the Banner Admin Menu.
guraobji_081202.sql	Seed data used to add default role for job.
guruobji_081202.sql	Seed data used to define user access to job.
gurocfgi_081202.sql	Seed data used to configure email parameters for GJRDPEX.
gjbpxdefi_081202.sql	Seed data used to define job submission parameters.

Banner Environment Comparison Tool (GURBCTR) job submission process

The new Banner Environment Comparison Tool (GURBCTR) process compares an institution's Banner environment against a Banner baseline environment to highlight the differences.

To prepare for cloud migration and deprecating obsolete customizations, it is important for institutions to identify customizations that exist within a Banner environment. The Banner Environment Comparison Tool identifies and reports on objects within the Banner environment, granular to the column level, that are different than baseline. The Banner Environment Comparison Tool scans the Banner database and applicable components in the Banner code tree to flag items that are different from Ellucian delivered versions of those items. The tool allows for applying filters to the results to help isolate specific customizations of interest while iteratively researching customizations within environments.

GURBCTR generates one signature file for each schema in your database and one signature file for all objects in your Banner links directory. The process then compares these files to Ellucian baseline signatures pulled down from the internet.

The GURBCTR job process is available only if your job submission server is running CentOS/Redhat version 6 or later, or Windows (64-bit).

Note: For those institutions not running their job submission server on a supported operating system, or that want to run comparisons against other environments besides the baseline options available using the GURBCTR job, refer to the *Banner Technical Reference* located in the Banner General Documentation library on the Ellucian Customer Center for more information.

This enhancement satisfies CR-000173393, CR-000173382, and IDEA-64003.

Related concepts

[Banner Environment Comparison Tool \(GURBCTR\) report](#)

New pages

This release of Banner General 9.3.18 delivers two new pages to support the Banner Environment Comparison Tool (BECT).

- Banner Environment Comparison Tool Filter Code Validation (GTVBCTF) page - Use this page to create the filter codes used to define the database objects to exclude from the Banner Environment Comparison Tool (BECT) report.
- Banner Environment Comparison Tool Filter Rules (GURBCTF) page - Use this page to specify the objects to exclude from the Banner Environment Comparison Tool (BECT) report for the associated filter code created on the Banner Environment Comparison Tool Filter Code Validation (GTVBCTF) page.

New tables

This release delivers two new tables to support the Banner Environment Comparison Tool (BECT)

Banner Environment Comparison Tool Filter Validation (GTVBCTF) table

This validation table stores the filter codes. Filter codes define sets of database objects to exclude from the Banner Environment Comparison Tool (BECT) report.

Column	Null?	Type	Comment
GTVBCTF_CODE	NOT NULL	VARCHAR2(15)	Unique code for the Banner Environment Comparison Tool filter.
GTVBCTF_DESC	NOT NULL	VARCHAR2(60)	Description that describes the purpose of the filter.
GTVBCTF_SYS_REQ_IND	NOT NULL	VARCHAR2(1)	This field denotes whether the Filter code is system required. Valid values are Y (yes) and N (no).
GTVBCTF_ACTIVITY_DATE	NOT NULL	DATE	Date record last updated or inserted.
GTVBCTF_USER_ID	NOT NULL	VARCHAR2(30)	The user ID of the person who inserted or last updated this record.
GTVBCTF_SURROGATE_ID	NOT NULL	NUMBER(19)	The surrogate ID for this record.
GTVBCTF_VERSION	NOT NULL	NUMBER(19)	The optimistic lock token for this record.
GTVBCTF_DATA_ORIGIN	NULL	VARCHAR2(30)	Source system that created or updated the data.
GTVBCTF_VPDI_CODE	NULL	VARCHAR2(6)	Multi-entity processing code.

Banner Environment Comparison Tool Filter Rule (GURBCTF) table

This rules table specifies the objects to exclude from the Banner Environment Comparison Tool (BECT) report for an associated filter code stored on the (GTVBCTF) table.

Column	Null?	Type	Comment
GURBCTF_BCTF_CODE	NOT NULL	VARCHAR2(15)	Unique code for the Banner Environment Comparison Tool filter.
GURBCTF_SCHEMA	NOT NULL	VARCHAR2(30)	Schema for which this filter rule applies. Use a single asterisk (*) to apply this filter rule to all schemas.
GURBCTF_OBJECT_TYPE	NOT NULL	VARCHAR2(30)	Object type for which this filter rule applies. Use a single asterisk (*) to apply this filter rule to all object types.
GURBCTF_OBJECT_PATTERN	NOT NULL	VARCHAR(30)	Object name pattern for which this filter rule applies. Use a single asterisk (*) to apply this filter rule to all objects. You can also use a regular expression (regex) to apply this filter rule for multiple objects matching the pattern.
GURBCTF_REASON	NOT NULL	VARCHAR2(90)	Reason for the filter rule.
GURBCTF_ACTIVITY_DATE	NOT NULL	DATE	Date record last updated or inserted.
GURBCTF_USER_ID	NOT NULL	VARCHAR2(30)	The user ID of the person who inserted or last updated this record.
GURBCTF_SURROGATE_ID	NOT NULL	NUMBER(19)	The surrogate ID for this record.
GURBCTF_VERSION	NOT NULL	NUMBER(19)	The optimistic lock token for this record.
GURBCTF_DATA_ORIGIN	NULL	VARCHAR2(30)	Source system that created or updated the data.
GURBCTF_VPDI_CODE	NULL	VARCHAR(6)	Multi-entity processing code.

New DDL scripts

This release delivers new DDL scripts to support the Banner Environment Comparison Tool (BECT).

Script	Description
gos_gtvbctf_seq_081202.sql	Create surrogate_id sequence for GTVBCTF table.
gos_gurbctf_seq_081202.sql	Create surrogate_id sequence for GURBCTF table.
gtvbctf_081202_01.sql	Create new GTVBCTF table.
gtvbctf_081202_02.sql	Create Primary Key for new GTVBCTF table.
gtvbctf_081202_03.sql	Create surrogate_id index for new GTVBCTF table.
gtvbctf_081202_04.sql	Add comments to new GTVBCTF table.
gurbctf_081202_01.sql	Create new GURBCTF table.
gurbctf_081202_02.sql	Create Primary Key for new GURBCTF table.
gurbctf_081202_03.sql	Create surrogate_id index for new GURBCTF table.
gurbctf_081202_04.sql	Create foreign key constraint on GTVBCTF_CODE for new GURBCTF table.
gurbctf_081202_05.sql	Add comments to new GURBCTF table.

New DML scripts

This release delivers new DML scripts to support the Banner Environment Comparison Tool (BECT).

Field	Description
gtvbctfi_081202.sql	Insert DEFAULT filter validation code into new GTVBCTF table.
gurbctfi_081202.sql	Insert object exclusion rules for DEFAULT filter validation code into new GURBCTF table.
gubobjsi_081202.sql	Insert Banner security objects for new GURBCTR job and new *GENBECT menu.
gurmenui_081202.sql	Insert new *GENBECT menu onto the *GENERAL menu and add GURBCTR job reference.
gubappli_081202.sql	Insert SAAS-BECT as a new application to be used in configuring credentials for running BECT.
gurocsgi_081202.sql	Insert credential records for SAAS-BECT. These records will be modified as part of the setup for running BECT.
gjbjobsi_081202.sql	Insert new GURBCTR job for running BECT through Jobsub.
gobfeobi_081202.sql	Insert statement to exclude GURBCTR job from FGAC.
gjrjbmoi_081202.sql	Insert statement for GURBCTR job batch output.
gjbpdefi_081202.sql	Insert statements for GURBCTR job parameters.

Field	Description
gjbpdfi_081202.sql	Insert statements for GURBCTR job parameter default values.
gjbpvali_081202.sql	Insert statements for GURBCTR job parameter validations.
guraobji_081202.sql	Insert BAN_DEFAULT_M security record for new GURBCTR job.
guruobji_081202.sql	Assign GURBCTR job to the BAN_ADMIN_C security class.

New DBPROC and MISC scripts

This release delivers new DBPROC and MISC scripts to support the Banner Environment Comparison Tool (BECT).

DBPROC scripts

Script	Description
gukbect0.sql	Create package spec for new GOKBECT package.
gukbect1.sql	Create package body for new GOKBECT package.
gt_gtvbctf_surrogate_id.sql	Add new trigger for GTVBCTF sequence and version.
gt_gurbctf_surrogate_id.sql	Add new trigger for GURBCTF sequence and version.

MISC scripts

Script	Description
gurbctr.pl	Perl script to run GURBCTR on Windows.
gurbctr.shl	Unix-based shell script to run GURBCTR on CentOS/Redhat 6 and above.
gurbctr_unzip.pl	Perl scrip to unzip the correct version of BECT for Windows. This runs as part of the installer to install the correct <code>banner_compare</code> executable and README file for your specific Jobsub OS.
gurbctr_unzip.shl	Unix-based shell script to unzip the correct version of BECT for CentOS/Redhat 6 and above. This runs as part of the installer to install the correct <code>banner_compare</code> executable and README file for your specific Jobsub OS.
banner-compare-centos-1.7.0.zip	Version of <code>banner_compare</code> for CentOS/Redhat 6 or later.
banner-compare-unsupported-1.7.0.zip	Version of <code>banner_compare</code> for unsupported Jobsub OS (displays message in the GURBCTR log file). If you have an unsupported Jobsub OS, review the README file to manually install <code>banner_compare</code> on a supported OS to run it from the command-line.
banner-compare-windows-1.7.0.zip	Version of <code>banner_compare</code> for Windows.

Modified script and package

This release delivers a modified script and package to support the Banner Environment Comparison Tool (BECT).

- GOKPVAL - Modified package that adds GTVBCTF_EQUAL validation. This package, referenced from Banner Job Submission, validates the entered filter code against the GTVBCTF table.
- gokpval.sql - Adds GTVBCTF_EQUAL validation to the GOKPVAL package.

Import list of IDs and PIDMs (GJRPSIM) job submission process

The Import list of IDs and PIDMs (GJRPSIM) allows an institution to import an external CSV file containing a list of either IDs or PIDMs organized in a single column with a header, into the existing Population Selection Extract Base (GLBEXTR) table.

This feature provides an easy way to import IDs and PIDMs into an existing Population Selection. GJRPSIM does not create a population selection, but rather, uses an already defined population selection that may or may not have any population rules created for it.

The GJRPSIM process uses a defined parameter to indicate whether to import IDs or PIDMs, but not both in the same CSV file. It also provides an additional way to delete all GLAEXTR records, including both system-generated and manually added records before the batch import, eliminating the need to access the Population Selection Extract Data (GLAEXTR) page and selecting the **Delete All** check box. The ability to delete all records still requires that the User ID used to run the process is the same as the Creator ID of the Population Selection.

Note: While the process allows for the import of PIDMs, Banner continues to follow a standard of not displaying the PIDM on the Population Selection Extract Data (GLAEXTR) page.

The GJRPSIM process can use either a CSV file found in an Oracle directory or a file imported using the Import File to JobSub Server (GJAJFLU) file upload process. After the process runs, it generates LIS and LOG files available to view on the Save Output Review (GJIREVO) page or download from the Job Submissions Reports (GJAJLIS) page.

Ellucian delivers GJRPSIM in the BAN_GENERAL_C security class with the BAN_DEFAULT_M role assigned.

This new feature satisfies CR-000173106 and IDEA-48586.

Related concepts

[Import IDs and PIDMs \(GJRPSIM\) process](#)

New DML scripts

This release delivers new DML scripts containing the seed data for process Import list of IDs or PIDMs (GJRPSIM).

Script	Description
gjbjobsi_081202.sql	Seed data used to create job.

Script	Description
gjbpdfti_081202.sql	Seed data to add default values for GJRPSIM.
gjbpdefi_081202.sql	Seed data used to define job submission parameters.
gjbpvai_081202.sql	Seed data used to define job parameters validation values.
gjrjbmoi_081202.sql	Seed data used to define job file upload activity and mime detail.
gobfeobi_081202.sql	Seed data used to exclude job from FGAC processing rules.
gubobjsi_081202.sql	Seed data used to add the new GJRPSIM job to the Banner Admin Menu.
guraobji_081202.sql	Seed data used to add default role for job.
guruobji_081202.sql	Seed data used to define user access to GJRPSIM.

Enhancements

Visa number character length expansion

As institutions expand attendance across regions and continents, there becomes a need to support visa numbers with expanded character lengths. To accommodate this need, this release delivers a modification to the International Information (GOINTL) page and two modified tables.

On the International Information (GOINTL) page, the **Visa Number** field increased from 18 to 40 characters.

This enhancement satisfies CR-000172297, CR-000172298, and IDEA-63716.

Modified tables

This release delivers two modified tables to support the visa number character length expansion.

Table	Modified column
Multiple Visa Information Table (GORVISA)	GORVISA_VISA_NUMBER Column length increased from 18 to 40 characters.
Document Information Table (GORDOCM)	GORDOCM_VISA_NUMBER Column length increased from 18 to 40 characters.

Global currency enhancement

This release delivers multiplier and divisor conversions to support enhancements in Banner Accounts Receivable for bringing global currency functionality from localizations into Banner baseline.

This enhancement introduces a conversion rate multiplier based on the currency selected and multiplying factor. This provides users the option to calculate the multiplier or divisor values based on the inverse value entered on the Currency Code Maintenance (GUACURR) page.

Baseline objects calculate converted amounts using the Conversion Rate Divisor and this enhancement does not change this method.

This enhancement satisfies CR-000172110 and CR-000172111.

Page modifications for global currency

This release provides User Interface (UI) page modifications to support the global currency enhancement.

Page	Modification
Installation Controls (GUAINST)	<p>New Display Conversion Rate Multiplier Method indicator check box. Delivered as not enabled (check box cleared).</p> <p>This allows the user to select if they want to display the Conversion Rate Multiplier column on the Currency Codes (GTVCURR) and Currency Code Maintenance (GUACURR) pages.</p>
Currency Codes (GTVCURR)	<p>Added new Conversion Rate Multiplier column.</p> <p>Modified Conversion Rate label to Conversion Rate Divisor</p>
Currency Code Maintenance (GUACURR)	<p>Added new Conversion Rate Multiplier column.</p> <p>Modified Conversion Rate label to Conversion Rate Divisor</p>

Modified tables

This release delivers two modified tables to support the multi-currency enhancement.

Table	Description
Institutional Description Table (GUBINST)	GUBINST_CONV_RATE_METHOD_IND - New column
Currency Conversion Rate Table (GURCURR)	<p>GURCURR_CONV_RATE - Column length increased</p> <p>GURCURR_CONV_RATE_INV - New column</p>

Alternate Unified Digital Campus Identifier (UDC ID) generation

This release delivers modified database objects in support of an alternate UDC ID generation method.

Currently, the baseline delivered method for creating UDC ID records in the GOBUMAP table in real-time uses the Banner Enterprise Identify Services (BEIS) Identity Gateway and Proxy components. Institutions that do not use BEIS Identity Gateway and Proxy components for account provisioning, can now use this alternate UDC ID generation method for account provisioning.

This modification consists of an alternate method for the generation of the UDC ID (GOBUMAP row) when the institution creates or updates a SPRIDEN row. A call to this new alternate method of creating a UDC ID (GOBUMAP row) exists in the GB_IDENTIFICATION pl/sql API. Ellucian delivers a configuration in the GUROCFG table accessible from the Configurations tab of the Banner Applications Configurations (GUACONF) page with the following parameters:

- **Application Id**=GLOBAL
- **Configuration Name**=AlternateUdcidGenerationOnOff
- **Configuration Type**=integer.
- **Configuration Value**= 0 or 1

The delivered configuration has a value of 0 (not enabled) which prevents the use of this alternate UDC ID generation method.

Warning! If you have Banner Enterprise Identity Services (BEIS) components installed and active, do not enable this alternate UDC ID generation method.

The GUACONF page now displays a message to the user when they set the **Configuration Value** to 1 notifying them that they should only set the value to 1 if they do not use Banner Enterprise Identity Services (BEIS).

Some institutions have implemented a custom modification known as the UDC ID trigger. This alternate UDC ID Generation, is a variant implementation of the UDC ID trigger.

This enhancement Satisfies CR-000173381 and resolves IDEAs 51385, 13235, 36210.

New and modified database objects

This release delivers a new and modified scripts to support alternate UDC ID generation.

New DML

gurocfgi_081202.sql - Seed data to support an alternate method for the generation of the UDC ID.

Modified DBPROCS scripts

Script	Description
goksels.sql	Adds new function <code>f_get_gurocfg_integer</code> to support fetching integer value from the GUROCFG table.

Script	Description
<code>goksell.sql</code>	<ul style="list-style-type: none"> Add function <code>f_get_gurocfg_integer</code> to support fetching an integer from GUROCFG table. Modify <code>nvl</code> to <code>COALESCE</code> in support of ANSI compliant standards.
<code>gokb_ident1.sql</code>	<ul style="list-style-type: none"> Adds call to the alternate method for creating a UDC ID (GOBUMAP row). Establishes value for <code>g_alternate_udcid_gen_onoff</code> in GB_IDENTIFICATION package main begin and end section. Support for ANSI compliant standards.

Web Tailor transformation changes

As part of transforming Web Tailor from 8x to 9x technology, certain functionality moved from Web Tailor to Banner General.

The new page, Maintain Self-Service User Roles (GUAUSRL), in Banner General allows you to assign or modify roles for a user in Banner Self-Service application pages. These user roles determine what menus display after logging on and what each person has access to. This is the assign user roles functionality that exists in Web Tailor 8x.

The Banner Applications Configurations (GUACONF) page has two new sections added to it: Self-Service Rules section and Self-Service Parameters section. You can use the Self-Service Rules section to define and customize the Self-Service rules. The Self-Service Parameters section lists the Self-Service parameters and you can use this section to customize the parameters used in Web Tailor processing. These are the Web Rules features and the Web Tailor Parameters feature that exist in Web Tailor 8x.

For more information on this, see the Online help.

This enhancement satisfies CR-000174193 and CR-000174945.

Related concepts

[General Web Management](#)

New view

The new `govusrl.sql` view fetches the system roles for the user.

Column	Comment
<code>GOVUSRL_CODE</code>	Role Code.
<code>GOVUSRL_DESC</code>	Role Description.
<code>GOVUSRL_PIDM</code>	User PIDM.
<code>GOVUSRL_IND</code>	Role Indicator.

New function

The new function `f_get_gorrsq1_role_code` fetches the system roles from the Business Rules (GORRSQL) page.

Updates

Technical currency upgrade - Java source

Banner Java Batch programs released with Banner General 8.12.2 contain the needed technical currency upgrades to the dependent log4j library.

This update corrects the use of deprecated methods when instantiating logger objects within the Java programs. Additionally, the 8.12.2 release delivers the open source libraries used with the Banner Java batch programs externalized as standalone libraries distributed with the Banner General product release. These libraries now reside in the `general/java` folder on the Job Submission server.

- `gjpgicur.jar`
- `gjpgjlis.jar`
- `gjrdpex.jar`
- `gjrjflu.jar`
- `gjrpsim.jar`
- `gurbctr.jar`
- `gurjbif.jar`
- `gurjsdn.jar`
- `transcript.war`
- `transporter.jar`

This enhancement satisfies CR-000174723.

Redelivery of gurcnva.c library

The Banner Report Engine (REPT) 8.3.2 release delivered a change to the `gurcnva.c` library to support UTF-8 to ASCII functionality in support of California MIS regulatory processing. The

Banner General 8.12.2 release re-delivers the same updated `gurcna.c` library, ensuring customer repositories are kept in sync.

International Components for Unicode (ICU) version 3.6 deprecation

As of this Banner General 8.12.2 release, Banner no longer supports ICU 3.6.

International Components for Unicode (ICU) provides internationalization and i18n functionality to Pro*C/C++ processes in Banner. The Banner General 8.12 release (March 2020) provided initial support for ICU version 58.3, ensuring ICU libraries remain compatible with Banner supported operating systems.

Initially communicated in <https://ecommunities.ellucian.com/thread/82347> and reaffirmed in <https://ecommunities.ellucian.com/docs/DOC-17848>, this Banner General 8.12.2 release officially deprecates ICU version 3.6.

See the *Banner Technical Reference Manual* located in the Banner General Documentation library on the Ellucian Customer Center for information about upgrading ICU to the supported version.

A modification made to the `sctproc.pl` script now provides ANSI complaint SQL `common_parser` logic for institutions using Windows.

Note: The current version of `sctproc.pl` still supports the `common_parser` flag.

As part of this release, Ellucian has deprecated the following objects:

- `sctproc.pl_521`, `sctproc_8801.pl`
- `msgfmttm.cpp`
- `tmcilib.cpp_583`, `tmcilib.cpp_hpux_583`, `tmcilib.cpp_hpux_583`, `tmcilib.h_583`
- `umsgtm.cpp_583`, `umsgtm.h_583`

These changes satisfy and resolve CR-000170886 and CR-000175084.

Resolutions

A *Resolution Report* contains comprehensive and detailed resolution information for a release.

Each change request has a listed URL. Copy and paste the URL into a web browser to see more details about the change request on the Ellucian Customer Center. For resolution information in this release, download the Banner GeneralResolutions Report attachment.