

# Banner Finance Self-Service Release Guide

*Release 8.0*  
*April 2008*



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**Revision History Log****Publication Date    Summary**

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April 2008	New version that supports 8.0 software.
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# Introduction

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This guide documents Release 8.0 of the Banner Finance Self-Service System. Release 8.0 includes enhancements, RPEs, and problem resolutions.

This document provides detailed information about the Banner Finance Self-Service 8.0 release only. Banner Finance Self-Service Release 8.0 is a cumulative release that also includes enhancements, RPEs, and problem resolutions delivered in the Banner Finance Self-Service 7.3, 7.2, and 7.1 releases.

For complete documentation about these interim releases, refer to the release guides identified in the section entitled “Enhancements from Interim Releases” on page 5.

## Enhancements for Release 8.0

This document describes the following enhancements and changes.

### ***Encumbrance API Enhancement***

This section identifies changes to Self-Service objects that support the Encumbrance API enhancement delivered with Banner Finance 8.0.

### ***Miscellaneous Enhancements***

This section includes information about documentation changes, internationalization, PIN maintenance, RPEs, and seed data.

### ***Problem Resolutions***

The Problem Resolutions section includes a description for the defect correction delivered with this release.

## Enhancements from Interim Releases

This table summarizes the interim releases which are included in Release 8.0. Refer to the associated release guide for additional release documentation.

<b>Release Number</b>	<b>Contents</b>	<b>Release Date</b>
7.3	API Enhancement	January 2007
7.2	Delete Temples or Queries, Naming Conventions for Templates and Queries, View Document Enhancement	May 2006
7.1	Reference Number field added to query pages	May 2005

## Prerequisites

Before you install and use Banner Finance Self-Service 8.0, you must first install the following software:

Banner General Release 8.0

Banner Finance Release 8.0



## Encumbrance API Enhancement

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This section identifies the objects modified to support the Encumbrance API enhancement delivered with Banner Finance 8.0.

### Changed Scripts

Changes were made to the following scripts.

`bwfkedtc.sql`

Removed the following procedures that are no longer used:

```
p_trni_update_ench  
p_trni_update_encl  
p_trni_update_ench_appr
```

`bwfkedt1.sql`

Disabled the updates of `fgbench` and `fgbencl` since they are no longer used.

`bwfkquad1.sql`

Implemented Encumbrance Detail API by adding the following procedure:

```
p_update_internal
```

### Changed Packages

`fokutil`  
(`fokutil.sql/fokuti1.sql`)

Utility functions and procedures were added to this package to support the Encumbrance APIs.

# PIN Maintenance

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Banner General Release 8.0 includes an enhancement for user PIN (password) security. The following functionality is included in this enhancement.

- PINs are now stored only in encrypted form.

A cryptographic hash transforms the PIN before it is stored, so that the unencrypted password can never be retrieved from the database. For additional security, the PIN is “salted” before it is encrypted; that is, a randomly generated string is added to the PIN before encryption. When a user enters a PIN to gain access to the system, the user’s entered PIN is transformed using the same cryptographic PIN. The database checks for a match before the user can proceed.

- Institutions can now set and enforce standards for strong passwords.

Strong passwords are passwords which are long, complex, and nearly impossible to guess. Your institution can enforce strong password standards based on: the minimum and maximum permissible length of user PINs, the requirement that PINs include letters, digits, or both letters and digits, and the restriction of PIN reuse (number of days before a previous PIN can be reused).

- A new, more secure PIN reset mechanism has been established.

When a user forgets a password, the PIN reset can be requested by answering a series of security questions with answers that the user has previously provided. You can also decide whether users are allowed to generate their own security questions, or whether they must use standard questions established by the institution. The user’s answers are stored in encrypted form, just like the PIN.

- A new PIN Questions Form (GOAQSTN) is included in this enhancement. The Enterprise PIN Preferences Form (GUAPPRF), the Third Party Access Form (GOATPAC), and the Third Party Access Audit Form (GOATPAD) have been modified for the PIN security updates.

Please refer to the *Banner General 8.0 Release Guide* for more information on this enhancement.

# Internationalization

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The Banner system is used by higher education institutions worldwide. As Banner is enhanced and modernized, one major initiative is to make the system more adaptable for use in different countries and with different languages. This ongoing effort is called internationalization (and often abbreviated *I18N*). Internationalization reduces the amount of custom modifications required to make Banner usable for clients in various countries.

For this release, several major changes were made to support internationalization.



## Unicode Support

With this release, Banner supports the Unicode international character set through the character standard UTF8. As a part of the installation process for Release 8.0, Banner's Oracle database is converted to the UTF8 standard.

## Additional IDs

A new table, the Additional Identification Table (GORADID), allows you to store any number of extra IDs for a person. Each Additional ID must be assigned an ID Type. You can set up Additional ID Types using the new Additional Identification Type Validation Form (GTVADID).

A new Additional Identification window on the FOAIDEN form displays the new Additional ID information. See the *Banner General 8.0 Release Guide* for more information.

### Note

If your institution is already using Banner's tab-level security feature, you may need to set up tab-level security records for this new window. If you do nothing, any user with security access to the FOAIDEN form has access to the Additional Identification tab. See "Tab-Level Security" in the *Banner Security Administration Handbook* for details. ■

## Enhanced Fields

For this release, many fields have been expanded on self-service pages. These fields can now accommodate longer data values that might be needed. The types of fields that have been expanded include the following:

- Name
- Street Line 1, 2, 3
- City
- Zip/Postal Code
- Telephone number (including FAX)
- E-mail address
- Unit Price
- Currency amount

For complete information about I18N, including detailed information about changes to many Banner General objects, refer to the *Banner General 8.0 Release Guide*.

# Documentation Changes

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With the release of Banner 8.0, you will notice significant changes to the documentation.

- The look and feel of the documentation has been modernized. This new design incorporates new fonts, increased character size, and color to make the manuals easier to read and to use.
- Each manual now includes a publication date that reflects the actual month and year of publication. Any document that is revised will include an updated publication date to make it easier to identify revised materials.
- A revision history log has been added to the copyright page of each manual to identify any revised versions and associated changes.
- A link to a feedback form has been added to the copyright page of each manual, in the bookmarks of all PDF files, and into online help to enable you to provide input about the documentation.

## 2 Problem Resolutions



This section identifies and describes the problem resolution delivered in Banner Finance Self-Service for Release 8.0.

bwfkbdws.sql  
bwfkbws1.sql  
bwfkbw1.sql  
bwfkbpa1.sql  
bwfkbwsh.sql

### (CMS-DFCT90919)

**Description:** The browser back button appears to clear calculated amounts but does not. For example, assume that a user enters a change amount and then presses the calculate button. Then the user presses the back button on browser to undo changes made. Next, the user enters new change amounts on the page and presses post. In this situation, both new and original amounts are posted.

**Impact:** Updates to the worksheet after using the back button can include unwanted changes no longer displayed. Users may not realize their first set of changes will also be included with the update.

**Resolution:** When the browser back button is used, use the current value of new amount on screen to calculate the cumulative amount and update the FBRBDWC table, instead of leaving the stored values in the database. The updated amounts in FBRBDWC table are the Change Value and the New Budget total that the user sees on the screen. The use of the browser back button is still not supported and the Requery button should always be preferred. The back button still has undesired results when deleting rows and performing Downloads.

