# Table of Contents

**Introduction** ................................................................. 4

Enhancements for Banner EDW 8.4.3 ........................................ 4

Prerequisites ................................................................. 5

Related documentation .................................................... 5

**New Faculty Feedback Data** ........................................... 6

Changed business concept ................................................ 6

Changed stars ............................................................... 7

Changed Parameter maps .................................................. 7

**New Admissions Data** .................................................. 8

Changed business concept ................................................ 8

New and changed stars .................................................... 9

Changed operational stars ................................................ 9

New operational stars ..................................................... 9

New Parameter maps ....................................................... 10

New EDW Extract Parameter ............................................. 10

Fixed the Traditional Student Indicator ............................... 10

**Documentation Enhancement** ........................................ 11

**New and Changed Objects** ............................................ 12

**Problem Resolutions** ................................................ 13
Introduction

This guide documents changes made with the delivery of Banner Enterprise Data Warehouse (Banner EDW) release 8.4.3. Release 8.4.3 includes several RPE enhancements and problem resolutions.

Banner EDW Relationship with Performance products

You can implement this release alone or in conjunction with the Banner Student Retention Performance (SRP) 1.1 and/or Banner Recruiting and Admissions Performance* (RAP) 1.3 products, which include the pre-built Cognos Business Intelligence components. If you have licensed the Banner Student Retention Performance and/or Banner Recruiting and Admissions Performance products, you will want to refer to the related SRP and RAP Release Guides and Handbooks for details about the Cognos components.

Note: *Banner Recruiting and Admissions Performance 1.3 is due to release later in Q1 2013. You will be able to use EDW 8.4.3 with RAP 1.3 at that time.

Enhancements for Banner EDW 8.4.3

This document describes the following enhancements.

"New Faculty Feedback and Course Instructors Data" on page 6

This release of the Banner EDW includes new and changed components (business concept and stars) that support the addition of Faculty Feedback data in the warehouse. You can use these components to enhance reporting capabilities related to faculty feedback. This release also includes the addition of all course instructors to the Analyze Student Progress business concept. You can use these components to determine what instructors are assigned to a course for an academic period and also how many courses an instructor is teaching within an academic period.

If you license Banner Student Retention Performance, these changes and additions support SRP reporting; however, you can use these components without the SRP product.

"New Admissions Data" on page 9

This release of the Banner EDW includes changed components (business concepts and stars) that support the addition of admissions cycle and admissions application source data in the warehouse. You can use these components to enhance admissions related reporting capabilities. If you license Banner Recruiting and Admissions Performance, these changes and additions support RAP reporting; however, you can use these components without the RAP product.
The Banner EDW Handbook was split into two books:

- Banner EDW Administration Guide - describes the architecture and administrative tasks that a warehouse administrator needs to know to maintain the EDW.
- Banner EDW User Guide - describes procedures for setting up and maintaining the EDW and includes diagrams of the EDW business concepts.

### Prerequisites

Refer to the *Banner Performance Reporting & Analytics (BPRA) Resource Guidelines* document for the most current information about BPRA, Banner, and Third Party product dependencies and compatibility for this release.

The *Banner DC Release Interdependency Matrix* document, available for download from the Documentation Download area of the Customer Support Center, outlines source Banner system release dependencies for Banner EDW.

### Related documentation

You can refer to the following documents for more details about the Banner ODS:

- *Banner EDW Installation Guide 8.4.3* for instructions about performing a fresh install of Banner EDW 8.4.3.
- *Banner EDW Upgrade Guide 8.4.3* for instructions about upgrading from Banner EDW 8.4.
- *Banner EDW Handbook 8.4.3* for complete information about the Banner EDW product.
- *BPRA Resource Guidelines* for hardware and software recommendations.
- *BPRA Oracle Streams Supplement* for information about using Oracle Streams to stage data in Banner EDW.
- *BPRA Materialized Views Supplement* for information about using Oracle Materialized Views to stage data in Banner EDW.
New Faculty Feedback and Course Instructors Data

This section describes the new or changed components that were added to the Banner EDW to support bringing faculty feedback data and all instructors assigned to a course into the warehouse. These components are part of EDW baseline and SRP. These components are briefly described in this enhancement section with pointers on where you can find more detailed information.

Changed business concept

The PM Analyze Student Progress business concept was enhanced to include the following data:

- Faculty Feedback - use this data to analyze and evaluate the impact that faculty feedback or lack of faculty feedback had on student's academic performance, retention and success.

- Course Instructors - use this data to determine what instructors are assigned to a course for an academic period and also how many courses an instructor is teaching within an academic period.

Faculty feedback and course instructors are dependent on the existence of a course; therefore, these new data elements were added in the Student Course query subject:

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Course Feedback Counts and Indicators</td>
<td>Includes several indicators that you can use to monitor the impact of faculty feedback, for example, Monitored Student Ind, Optional Ind, and Feedback Exists Ind. Also includes related headcounts and calculated percents for the indicators.</td>
</tr>
<tr>
<td>Faculty Course Feedback</td>
<td>Includes several data elements related to faculty course feedback such as Feedback Session, Latest Feedback Instructor Name, and Estimated Grade. Also include folders of related data elements for Latest Issue or Recommendation Date and Latest Comment/Estimated Grade Date.</td>
</tr>
<tr>
<td>Faculty Course Feedback Filters (Added within the Student Course Filters folder)</td>
<td>Includes filters that let you narrow report data based on the existence of various feedback related criteria for a course within a feedback session.</td>
</tr>
</tbody>
</table>
New and changed stars

Some operational stars were changed to support the new faculty feedback and course instructor data that was added with this release. The following stars were added or changed with this release.

For more details about these stars, refer to the Banner Enterprise Data Warehouse Stars Reference Guide.

New operational stars

The following operational star was added with this release:

• Feedback
  • Course Instructor

Changed operational star

The following operational star was changed with this release:

• Student Course

Changed parameter maps

Some indicators available in the Cognos FM Models and associated packages are based on information from the warehouse fact tables. The Positive Indicators (1) parameter map defines the 'Yes' description and the The Negative Indicators (0) parameter map defines the 'No' description for the fact-based indicators used within the Cognos FM Models and associated packages.

The following values (parameter map records) were added to the Positive Indicators (1) and Negative Indicators (0) Parameter maps to support the new indicators added in the Faculty Course Feedback Counts and Indicators and the Course Instructors folders.

• Monitored Student Ind
  • Monitored Complete Ind

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Instructors</td>
<td>Includes data elements that identify all instructors assigned to a course for an academic period.</td>
</tr>
<tr>
<td>(Added within Course Section Detail folder)</td>
<td></td>
</tr>
</tbody>
</table>
- Optional Feedback Ind
- Feedback Exist Ind
- Issue Ind
- Recommendation Ind
- Estimated Grade Ind
- Comment Ind
- Primary Instructor Ind

You do not need to edit these parameter records. The existence of these records makes the related Positive and Negative Indicators available for reports.
New Admissions Data

This section describes the new or changed components that were added to the Banner EDW to support bringing admissions cycle and additional admissions application source data into the warehouse. These components are part of EDW baseline and RAP. These components are briefly described in this enhancement section with pointers on where you can find more detailed information.

Changed business concept

The PM Manage Applicant (MA) business concept has been enhanced with a new feature called Admissions Cycle Day (and Week). Admissions Cycle Day provides an optional method for capturing a complete linear admissions cycle timeline for specific date based activities for a target academic period. These include Application (Date) Cycle Day/Week, Application Decision (Date) Cycle Day/Week and Latest Application Decision (Date) Cycle Day/Week.

The PM Manage Applicant business concept was also enhanced to include all admissions (application) source information. You can use this information to analyze all sources associated with an application including secondary schools, post secondary schools or other source information. The data includes primary and initial source indicators and source reported date.

Both the PM Manage Applicant and PM Impact Of Aid On New Enrollment (IANE) business concepts were enhanced to include new data items, including Current Pre Student Status (and order) and Latest Application Decision Status (and order). The Yield Measures were also expanded to include Admitted Rate, Accepted Rate and Deposited Rate.

The following table lists the new query subjects and folders that were added to support this new data, and which business concept the informations was added to.

<table>
<thead>
<tr>
<th>Query Subject</th>
<th>Folder</th>
<th>Description</th>
<th>Added to MA</th>
<th>Added to IANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions Cycle (New query subject)</td>
<td>N/A</td>
<td>Includes new Admissions Cycle, Description and Start Date data elements</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Admissions Application (Existing query subject)</td>
<td>Application Dates - Admissions Cycle</td>
<td>Includes new Application Cycle Day and Application Cycle Week data elements</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
New and changed stars

Some operational stars were added or changed to support the new admissions data that was added with this release. The data for these stars is based on existing content from the Banner Student product.

For more details about these stars, refer to the *Banner Enterprise Data Warehouse Stars Reference Guide*. 

<table>
<thead>
<tr>
<th>Query Subject</th>
<th>Folder</th>
<th>Description</th>
<th>Added to MA</th>
<th>Added to IANE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions Application (Existing query subject)</td>
<td>Application Decision Dates - Admissions Cycle (New folder added within Application Decision - All folder)</td>
<td>Includes new Application Decision Cycle Day and Application Decision Cycle Week data elements</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Admissions Application (Existing query subject)</td>
<td>Latest Application Decision Dates - Admissions Cycle (New folder added within Application Decision - Latest folder)</td>
<td>Includes new Latest Application Decision Cycle Day and Latest Application Decision Cycle Week data elements</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Admissions Application (Existing query subject)</td>
<td>Application Sources</td>
<td>Includes new data elements related to Application Sources including reported dates and application source Count.</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Admissions Application (Existing query subject)</td>
<td>Application Decision - Latest (Existing folder)</td>
<td>Added new Latest Application Decision Status and Latest Application Decision Status Order data elements</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pre Student Status (Existing query subject)</td>
<td>N/A</td>
<td>Added new Current Pre Student Status and Current Pre Student Status Order data elements</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>No related query subject; folder at query subject level</td>
<td>Yield Measures (Existing folder)</td>
<td>Added new Admitted Rate, Accepted Rate, and Deposited Rate data elements</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
New operational stars

The following operational star was added with this release:

• Combined Admissions Source

Changed operational stars

The following operational stars were changed with this release:

• Application Decision
• Admissions Application
• Admissions Recruitment

New Parameter maps

The following new Parameter Maps were added with this release:

• Current Pre Student Status
• Latest Application Decision Status

For more details about these Parameter Maps, refer to the “Set Up Data” chapter of the *Banner Enterprise Data Warehouse User Guide*.

New EDW Extract Parameter

A new EDW Extract Parameter named Admissions Cycle was added with this release. This parameter is used to identify the academic cycle start date for an academic period. You set up the parameter by defining the External Code and Description to add a start date for each academic period. The values defined in this parameter are used to calculate the cycle days and weeks for the applicable date based attributes. The Admissions Cycle EDW Extract Parameter is also used in the FM models to generate the Admissions Cycle, Admissions Cycle Description and Admissions Cycle Start Date data items found in the Admissions Cycle query subject.

For more details about this EDW Extract Parameter, refer to the “Set Up Data” chapter of the *Banner Enterprise Data Warehouse User Guide*. 
Changed Traditional Student Indicator

Resolves Defect 1-1C8U4ZL

The Traditional Student Indicator now compares the prospective student’s Admit Age as of the start date for the Academic Period in context to determine whether the prospective student should be classified as a traditional or non-traditional student. The previous logic was using the prospective student’s current age.
Documentation Enhancement

Reorganized Banner EDW books

The *Banner EDW Handbook* that existed with previous releases of the EDW was reorganized into the following two new books.

*Banner EDW Administration Guide*

This guide is intended for EDW administrators who need to understand the EDW architecture and maintain the warehouse. It includes the following information that existed in the *Banner EDW Handbook*:

- Architecture
- Enhanced Warehouse Architecture
- Administrative User Interface
- Cognos Business Intelligence

*Banner EDW User Guide*

This guide is intended for end users who will run reports against the warehouse. It includes the following information that existed in the *Banner EDW Handbook*:

- Set Up Data
- Banner EDW Business Concepts
- Banner EDW Cubes

Framework Durable Model information

Existing EDW Framework Manager models have incorporated Durable Model features to enable you to make changes to query subject and query item names without impacting existing reports, report authors, and end users. For information about converting a Framework Manager model to a Framework Durable model, refer to the “Cognos Reporting Tools” chapter of the *Banner EDW Administration Guide*. 
New and Changed Objects

The edw80403_changed_objects.csv file includes a detailed list of the objects (views, tables, columns) that were added, changed, or removed with this release of Banner EDW. To view the list, access the edw80403_changed_objects.csv file, which was delivered with your product documentation. You can open the file in Microsoft Excel or a similar spreadsheet application. You can reorganize the columns as needed.
Problem Resolutions

The following problem resolutions are delivered with this release.

For comprehensive and detailed problem, impact, and resolution information for all defects corrected in the release, refer to the supplemental problem resolutions file (edw80403resolutions.txt) delivered with the release guide in the edw80403d.zip documentation zip file. The information in the text file is extracted directly from the Customer Support Center just prior to release of the product and may include additional defects that were resolved after this document was finalized.

You can also access information about defects and their resolutions through the Customer Support Center.

The following table identifies which Solution (Performance product) each defect/resolution is related to.

<table>
<thead>
<tr>
<th>Object</th>
<th>Related Solution</th>
<th>Defect #</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS_F1B</td>
<td></td>
<td>1-17QZPX</td>
<td>Entities with preferred address selected are not getting the preferred_address_ind set properly</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1-18XW4H</td>
<td>ORA-01403, ORA-06512, ORA-04088: EDWMGR.WDT_FISCAL_DATE_INS</td>
</tr>
<tr>
<td>WDT_FISCAL_DATE_INS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>mtparm_jobs_data</td>
<td>AAC/AP</td>
<td>1-183GE0</td>
<td>DONOR_SUMMARY_KEY in WFT_CONSTITUENT_ENTITY not populated - Banner source only</td>
</tr>
<tr>
<td>multiple</td>
<td>RAP</td>
<td>1-1C8U4ZL</td>
<td>Traditional Student Indicator not working as originally intended.</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-12BWUG1</td>
<td>Banner Advancement release 8.5 changes to tables AMRSTAF, AMRPLAN impacts the EDW for the AP product</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-168D8M7</td>
<td>EDW8.4a mapping RELATIONSHIP_F1A generate ORA-02437 against PK_WFT_RELATIONSHIP</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-17B7X41</td>
<td>No data returned when reports run with Year of Giving</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-1858ATF</td>
<td>Cognos FM Join issue - campaign pyramid goals</td>
</tr>
<tr>
<td>Object</td>
<td>Related Solution</td>
<td>Defect #</td>
<td>Summary</td>
</tr>
<tr>
<td>--------</td>
<td>------------------</td>
<td>-----------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-18UYZ9T</td>
<td>RQPP Designation College and Department aggregate loads - performance issues</td>
</tr>
<tr>
<td>several</td>
<td>AAC/AP</td>
<td>1-199WW6H</td>
<td>Constituents without email data are dropped from the set</td>
</tr>
<tr>
<td>several</td>
<td></td>
<td>1-1BSHW4E</td>
<td>EDW 8.4.2 install- EDW HEALTH CHECK Warnings. MGBINDEX shouldn't always be populated with AP indexes.</td>
</tr>
<tr>
<td>TMP_WAT_RQPP_DES_COLL_INT_A1</td>
<td>AAC/AP</td>
<td>1-18OB0QV</td>
<td>(BANNER/ADVANCE) After changing EDW Extract Parameters for RQPP, Incorrect data being loaded</td>
</tr>
</tbody>
</table>