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Introduction

This guide documents changes made with the delivery of Banner Operational Data Store (Banner ODS) release 8.4.1. Release 8.4.1 includes several RPE enhancements and problem resolutions.

The following enhancements are delivered with this release and described in later sections of this guide.

• “Data Enhancements” on page 10
• “Reconciliation Enhancements” on page 85
• “Performance Enhancements” on page 88
• “Administrative User Interface Enhancements” on page 92
• “Documentation Enhancements” on page 93

The following sections include lists of objects that changed and defects that were fixed with this release.

• “New and Changed Objects” on page 95
• “Problem Resolutions” on page 116

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 ODS.

Related documentation

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

• Banner ODS Installation Guide 8.4.1 for instructions about performing a fresh install of Banner ODS 8.4.1.
• Banner ODS Upgrade Guide 8.4.1 for instructions about upgrading from Banner ODS 8.4.

• Banner ODS Handbook 8.4.1 for complete information about the Banner ODS product.

• BPRA Resource Guidelines for hardware and software recommendations.

• BPRA Oracle Streams Supplement for information about using Oracle Streams to stage data in Banner ODS.

• BPRA Materialized Views Supplement for information about using Oracle Materialized Views to stage data in Banner ODS.
Data Enhancements

This release of Banner ODS includes a major data coverage enhancement. New data areas were added and data areas were modified in every business area of the ODS. Many of the data enhancements were implemented based on specific RPE requests from the Banner ODS Increased Data Coverage Request For Product Enhancements (RPE) Survey conducted October 14, 2010, through February 11, 2011.

This section includes information about the data coverage enhancements including a description of the requested enhancement, RPE or defect resolved, solution, and list of new or modified objects (for example, new or changed business concepts, reporting views, columns, and functions). The enhancements are organized into sections by ODS business area.

Refer to the following subsections to find specific information about each data area added or modified and the related RPEs or defects addressed.

• "Accounts Receivable" on page 10
• "Advancement" on page 16
• "Common" on page 23
• "Finance" on page 31
• "Financial Aid" on page 46
• "Human Resources" on page 55
• "Student" on page 61
• "Travel and Expense" on page 79

Accounts Receivable

The following sections describe the new data coverage enhancements related to Accounts Receivable information.

Added AR tax data

Resolves RPE 1-4POJE3

Users are unable to report on Finance tax table FAB1099 and Accounts Receivable tax table TTBTAXN.
Solution

Provide one reporting view reporting on Finance 1099 tax data called VENDOR_TAXABLE_REPORTING. Provide one reporting view reporting on Accounts Receivable 1098-T tax data called STUDENT_TAX_NOTIFICATION.

This enhancement includes changes to both the accounts receivable and finance modules. Refer to the description of the enhancement in the section “Added Finance tax data” on page 38 under the Finance module.

New objects

The following objects were added.

• New reporting view STUDENT_TAX_NOTIFICATION.

• New function MTKFUNC. F_GET_STDNT_TAX_NOTIF_LTST_IND, which determines the current notification record for the student in each tax year and returns either a Y or N.

Modified objects

The following objects were modified.

• Composite view AT_VALIDATION modified to store hard coded values and descriptions for TAX_DOCUMENT_BOX_NUMBER.

• Reporting view RECEIVABLE_ACCOUNT_DETAIL includes the new column:

  • TAX_DOCUMENT_BOX_NUMBER_DESC

• Reporting Tools Business Concepts that include the new columns for STUDENT_TAX_NOTIFICATION:

  • Receivable Customer

• Reporting Tools Business Concepts that include the new column for RECEIVABLE_ACCOUNT_DETAIL:

  • Receivable Customer
  • Receivable Revenue
  • Financial Aid Award and Disbursement
  • Loan Disbursement
  • Transaction History
Added institution defined entity category and account detail information

Resolves RPE 1-3ABNQ3, 1-BAMWTH (duplicate), and RPE 1-LMHSG

Institutions require the entity category from the receivable account (TBBCPRF_ECAT_CODE) be added to the ODS Receivable account view to permit reporting by the institution defined entity categories.

**Note:** The RPE also asked to include credit limit (TBBCPRF_CREDIT_LIMIT) but it was already included in this reporting view as CREDIT_LIMIT_MAX.

In addition, institutions need the ability to report on the delinquent account and do not bill accounts as recorded in the Banner account information on TBBACCT.

**Solution**

Enhance receivable account reporting by adding institution defined entity category and other specific account detail information.

**New objects**

None

**Modified objects**

The following objects were modified.

**•** Reporting view RECEIVABLE_ACCOUNT includes these new columns:
  - ENTITY_CATEGORY and ENTITY_CATEGORY_DESC
  - BILL_HOLD_TYPE and BILL_HOLD_TYPE_DESC
  - REFUND_IND and REFUND_IND_DESC
  - ACCT_DEFAULT_ADDRESS_TYPE, ACCT_DEFAULT_ADDRESS_TYPE_DESC, and ACCT_DEFAULT_ADDRESS_NUMBER
  - ACCOUNT_ACTIVITY_DATE
  - ACCOUNT_USER
  - ACCOUNT_DATA_ORIGIN

**•** Reporting Tools Business Concepts includes these new columns:
  - Receivable Revenue
  - Receivable Customer
Added receivable accounting data

Several RPEs and a defect were resolved related to receivable accounting. The following sections describe each RPE or defect and the overall solution that addresses them.

Resolves Defects 1-W16OCU, 1-E3TS4A (duplicate)

Banner Accounts Receivable release 8.2 added the financial aid designator code to the receivable accounting table TBRACCT. This changed the granularity of the table and impacted the ODS reporting view for RECEIVABLE_ACCOUNTING. Term Based Accounting Designators are being selected for non-applicable Detail Codes. The ledger_designator and operating_designator are being set in AT_ACCOUNT_DETAIL, when the detail code is not term based.

Resolves RPEs 1-BEQSIZ, 1-IOLMAB

Banner Accounts Receivable release 8.1.1 added aid year columns to support aid year based accounting, allowing institutions to maintain separate accounts for each award year program as well as begin the first stage for changes needed to incorporate billing and reporting out of Accounts Receivable by an aid enrollment period.

Resolves RPE 1-D46F6K, 1-2UE0RJ

Unable to determine which account details are used as a refund, PLUS refund, or a manual refund.

Resolves RPE 1-2UE0RJ

Many columns on the receivable accounting table TBRACCT are still missing in the ODS for verification and reconciliation reporting.

Solution

Enhance receivable account reporting by adding aid year, aid enrollment period, designator type and refund information. Correct the ledger designator and operating designator columns to include either the academic period-based designator or the financial aid year-based designator. This provides the ability to note which account details are refunds, and supports reporting on charges and payments for a specific aid enrollment period which may consist of multiple terms. This allows for cross reporting between Accounts Receivable and Financial Aid now by aid enrollment period. The designator columns utilize the appropriate designator that would be used to determine which accounting line is extracted and fed to finance for the detail code on the transaction. Designator_Type tells us which designator was used, either the term-based designator or the financial aid year-based designator or no designator. The addition of the account index for line a and line b completes all columns reportable for accounts receivable accounting on each detail code to ensure the accounting is correct.

New objects

None
Modified objects

The following objects were modified.

- Reporting view RECEIVABLE_ACCOUNTING added new columns
- Reporting view RECEIVABLE_ACCOUNT_DETAIL added new columns
- Reporting view MEMO added new columns
- Reporting Tools Business Concept included these new columns:
  - Receivable Revenue
  - Receivable Customer
  - Transaction History
  - Financial Aid Award and Disbursement
  - Loan Disbursement
- Reporting Tools Business Concept join corrected between RECEIVABLE_ACCOUNT_DETAIL and RECEIVABLE_ACCOUNTING to use Operating_Designator and Designator in the join:
  - Receivable Revenue
  - Transaction History
- ODS Accounts Receivable Object:Access views de-supported with addition of aid year designator from Banner:
  - AT_APPLICATION_OF_PAYMENTS_CHG
  - AT_APPLICATION_OF_PAYMENTS_PAY

Added third party contract pay detail

Resolves RPE 1-D46F6M and 1-17UCDKN

A Banner Accounts Receivable 8.1 enhancement allows the ability to record details about a payment received from the sponsor of a third party contract. This information needs to be added as a new reporting view that includes supporting information modified on the account detail, contract and application of payments Banner tables.

Solution

Added new table Third Party Contract Payment Detail (TBRCPDT) to support additional data gathered for third party contract payments received by the institution. Banner table TBRACCD was modified adding TBRACCD_CPDT_IND, indicating that the contract payment detail is used for application of a payment for this contract charge. TBRAPPL_CDT_TRAN_NUMBER represents the contract payment detail transaction number, which together with the pay transaction number identifies the detail record on which the application of payment is based. Added activity date, user id and or data origin
as appropriate to RECEIVABLE_ACCOUNT_DETAIL, APPLICATION_OF_PAYMENT and CONTRACT reporting views.

Note: Also dropped the old index on TBBESTU and new PK index is using Exemption, Academic Period (Term) and Student Priority. (This was not related to the RPE request.)

New objects

The following objects were added.

- Composite view AT_CONTRACT_PAYMENT_DETAIL
- Composite table MTT_CONTRACT_PAYMENT_DETAIL
- Reporting view CONTRACT_PAYMENT_DETAIL

Modified objects

The following objects were modified.

- Reporting view CONTRACT includes these new columns:
  - CONTRACT_DATA_ORIGIN
  - CONTRACT_ACTIVITY_DATE
- Reporting view RECEIVABLE_ACCOUNT_DETAIL includes these new columns:
  - CONTRACT_PYMT_TRANSACTION_IND
  - ACCOUNT_DETAIL_USER_ID
  - ACCOUNT_DETAIL_DATA_ORIGIN
  - ACCOUNT_DETAIL_ACTIVITY_DATE
- Reporting view APPLICATION_OF_PAYMENT includes these new columns:
  - CONTRACT_PAYMENT_TRANSACTION
  - DIRECT_PAYMENT_TYPE
  - DIRECT_PAYMENT_TYPE_DESC
  - INVOICE_NUMBER_PAID
  - ACCOUNT_POSTING_STATUS_DESC
  - APPL_OF_PAYMENT_USER_ID
  - APPL_OF_PAYMENT_ACTIVITY_DATE
- Reporting view APPL_OF_PAY_DETAIL_ACCOUNTING includes these new columns:
  - CONTRACT_PAYMENT_TRANSACTION
  - APPL_OF_PAYMENT_USER_ID
  - APPL_OF_PAYMENT_ACTIVITY_DATE
• Reporting Tools Business Concept that include the new CONTRACT columns:
  • Receivable Customer
  • Receivable Revenue
• Reporting Tools Business Concept that include the new RECEIVABLE_ACCOUNT_DETAIL columns:
  • Financial Aid Award and Disbursement
  • Receivable Customer
  • Receivable Revenue
  • Transaction History
• Reporting Tools Business Concept that include the new APPLICATION_OF_PAYMENT and APPL_OF_PAY_DETAIL_ACCOUNTING columns:
  • Receivable Revenue
  • Transaction History
• Reporting Tools Business Concept that include the new CONTRACT_PAYMENT_DETAIL reporting view:
  • RECEIVABLE_REVENUE

Advancement

The following sections describe the new data coverage enhancements related to Advancement information.

Added proposal results data

Resolves RPE: 1-11EH7ME

Banner Advancement release 8.0 added the capability to report on proposal results. Users need to be able to report on proposal results for a prospect to identify if contacts and plans are working as expected.

Solution

Provide the ability to report on individual proposal results for a prospect as well as summary of the results for a prospect’s proposal or proposal project. Determine whether a result does exist for the prospect’s proposal or proposal project.
New objects

The following objects were added.

• Composite view AA_PROSPECT_PROPOSAL_RESULT
• Composite table MAT_PROSPECT_PROPOSAL_RESULT
• Reporting view PROSPECT_PROPOSAL_RESULT

Modified objects

The following objects were modified.

• Reporting view PROSPECT_PROPOSAL_MASTER includes these new columns:
  • PROPOSAL_TOTAL_RESULT
  • PROPOSAL_RESULT_EXISTS_IND
• Reporting view PROSPECT_PROPOSAL_PROJECT includes these new columns:
  • PROJECT_TOTAL_RESULT
  • PROJECT_RESULT_EXISTS_IND
• Reporting Tools Business Concept that includes the new PROSPECT_PROPOSAL_MASTER and PROSPECT_PROPOSAL_PROJECT columns:
  • Advancement Prospect
• Reporting Tools Business Concept that includes the new PROSPECT_PROPOSAL_RESULT reporting view:
  • Advancement Prospect

Added ability to report on active and inactive exclusions

Resolves Defect 1-R6ZTMH

Incorporate changes from Advancement 8.3.1 release that now allows for inactive exclusions. The enhancement to exclusions changed the primary key on table ARPECXL which impacts design usage in the ODS. When exclusion is assigned to a constituent or organizational constituent, it was always considered to be “Active”. Now with the enhanced exclusion functionality from Advancement, exclusions can be deactivated with an end date and become inactive. There is currently no method to determine the difference between inactive and active exclusions in the ODS.

Solution

The changes made provide the ability for historical reporting on active and inactive exclusions for a constituent or organizational constituent on EXCLUSION reporting view.
New objects

None

Modified objects

The following objects were modified.

• Reporting view EXCLUSION includes these new columns:
  • EXCLUSION_END_DATE
  • EXCLUSION_COMMENT
  • ACTIVE_EXCLUSION_IND

• EXCLUSION_SLOT reporting view modified to now include only active exclusions in the slots

• Function MAKFUNC.F_COUNT_EXCLUSION changed to count only active exclusions
  • CONSTITUENT reporting view now reflects only active exclusions in the EXCLUSION_COUNT

• Added ACTIVE_EXCLUSION filter in Cognos where EXCLUSION query subject used

• Reporting Tools Business Concepts that include the new ACTIVE_EXCLUSION filter:
  • Constituent
  • Constituent Entity
  • Organizational Constituent

• ODS Advancement Object: Access views being de-supported due to new Advancement functionality:
  • AA_CAMPAIGN_GIVING_BY_ID
  • AA_CONSTITUENT_ORGANIZ_SHARED
  • AA_DESGINATION_GIVING_BY_ID
  • AA_EXCLUSION

Added ability to report on active and inactive staff assignments

Resolves Defect 1-12BXNER

A new improvement to managing Prospect staff assignments released in Banner Advancement 8.5 creates loss of active staff assignments capability in ODS since staff assignments can now be made inactive. Similarly, new improvements to managing Prospect Strategy create loss of active Prospect Strategy assignments in ODS since Prospect Strategy assignments can now be made inactive. The granularity of tables was
changed to use multiple allowing the user to have multiple strategy assignments for a Strategy and Project combination provided the Start and End dates do not overlap.

Solution

Provide the ability to report on active or inactive staff assignments for a prospect. Provide the ability to report on active or inactive strategy plans for a prospect and to reuse the strategy plan repeatedly with a different set of move dates. Determine if prospect strategy plans are active or inactive for a constituent contact including each time the strategy plan was used with a different set of moves.

New objects

None

Modified objects

The following objects were modified.

• Reporting view PROSPECT_STAFF_ASSIGNMENT includes these new columns:
  • STAFF_ASSIGNMENT_START_DATE, STAFF_ASSIGNMENT_END_DATE
  • STAFF_ASSIGNMENT_STATUS_IND, STAFF_ASSIGNMENT_STATUS_IND_DESC, ACTIVE_STAFF_ASSIGNMENT_IND

• Reporting view PROSPECT_MOVES_MANAGEMENT includes these new columns:
  • STRATEGY_PLAN_END_DATE, ACTIVE_PROSPECT_STRATEGY_IND
  • STRATEGY_PLAN_STATUS_IND, STRATEGY_PLAN_STATUS_IND_DESC

• Reporting view PROSPECT_MOVES_MANAGEMENT granularity changed with the addition of STRATEGY_PLAN_SEQUENCE_NUMBER allowing the strategy plan to be reused with the same set of moves used with different dates.

• Reporting view CONSTITUENT_CONTACT includes these new columns:
  • STRATEGY_PLAN_END_DATE, ACTIVE_PROSPECT_STRATEGY_IND
  • STRATEGY_PLAN_STATUS_IND, STRATEGY_PLAN_STATUS_IND_DESC
  • STRATEGY_PLAN_SEQUENCE_NUMBER

• Reporting view CONSTITUENT_CONTACT granularity changed with the addition of STRATEGY_PLAN_SEQUENCE_NUMBER allowing the contacts to be repeated for each strategy plan reused.

• Reporting Tools Business Concepts that include the new PROSPECT_STAFF_ASSIGNMENT and PROSPECT_MOVES_MANAGEMENT columns:
  • Advancement Prospect

• Reporting Tools Business Concepts that include the new CONSTITUENT_CONTACT columns:
• Advancement Prospect
• Organizational Constituent
• Constituent

Added matching gift data

Resolves RPE 1-ASU021

The GIFT_MATCHING reporting view provides data for matching gifts that includes ENTITY_UID, MATCH_EMPLOYER_UID, gift number, etc. GIFT_MATCHING_TRANSACTION contains the same data and whether the gift was fully or partially paid. Neither identifies for the gift number the match gift number.

The Banner Advancement Matching Gift Ident Repeating Table (AGRMGIF) contains the original gift number and the match gift number that is to be added to the other gift match data brought into the ODS. Some institutions need to report on these associated gift number and gift match number.

Solution

Add data for gift matching and create a new reporting view that shows the original gift number and the match gift number - GIFT_MATCHING_DETAIL.

This changes the granularity of the data in the AA_GIFT_MATCHING composite view and the MAT_GIFT_MATCHING ODS composite table. The granularity of the GIFT_MATCHING and GIFT_MATCHING_TRANSACTION will not be changed.

With the addition of the match gift number, there may be many to many relationships so the same gift number and gift match number may be on multiple rows as it now is on the Banner table AGRMGIF.

New objects

The following objects were added.
• Reporting view GIFT_MATCHING_DETAIL

Modified objects

The following objects were modified.
• Composite view AA_GIFT_MATCHING includes these new columns:
  • ENTITY_IND
  • ENTITY_IND_DESC
  • MATCH_ENTITY_IND
  • MATCH_ENTITY_IND_DESC
  • MATCH_GIFT_NUMBER
• MATCH_GIFT_AMOUNT
• MATCH_GIFT_ACTIVITY_DATE

• Reporting Tools Business Concept includes the new reporting view GIFT_MATCHING_DETAIL (aliased as both Employee Gift Matching Detail and Employer Gift Matching Detail):
  • Gift

## Changed data type of year-related fields in several reporting views

**Resolves RPE: 1-6SD92X**

Previously the Fiscal Year field and other year-related fields were defined with a NUMBER data type in various reporting views. These fields have been changed to a data type of VARCHAR2 format so that when they are retrieved in various tools (for example, Cognos) the fields aren’t treated as numbers and automatically totaled or displayed with commas.

### New objects

None

### Modified objects

The following objects were modified.

• The following reporting views were enhanced to change the Fiscal Year field or fields with variations of the Fiscal Year name from data type NUMBER to VARCHAR2.
  • ANNUAL_GIVING
  • ANNUAL_GIVING_SLOT
  • CAMPAIGN_GIVING_HISTORY
  • CONSTITUENT
  • DESIGNATION_GIVING_HISTORY
  • GIFT
  • GIFT_MEMO
  • GIFT_MULTIPLE

In addition to the original Fiscal Year format issue identified in RPE 1-6SD92X, the following reporting views were also enhanced to correct the datatype of the identified fields.

• GIFT_SOCIETY

  Enhanced to change the Gift_Society_Year and Gift_Society_End_Year fields from datatype NUMBER to VARCHAR2.
• SPECIAL_ACTIVITY
  Enhanced to change the First_Year and Last_Year fields from datatype NUMBER to VARCHAR2.

• SPECIAL_ACTIVITY SLOT
  Enhanced to change the Last_Year1, Last_Year2, and Last_Year3 fields from datatype NUMBER to VARCHAR2.

• SPECIAL_ACTIVITY YEAR
  Enhanced to change the Participation_Year field from datatype NUMBER to VARCHAR2.

• SPECIAL_ACTIVITY YEAR SLOT
  Enhanced to change the Participation_Year1 through Participation_Year10 fields from datatype NUMBER to VARCHAR2.

• PROSPECT_MOVES_MANAGEMENT
  Enhanced to correct the size of the datatype for Complete_Fiscal_Year from VARCHAR2(4) to VARCHAR2(63), and for Complete_Fiscal_Year_Desc from VARCHAR2(30) to VARCHAR2(255).

• Several related packages were modified within Cognos so that a user no longer needs to adjust date fields to prevent them from being treated as a number.

In the course of addressing the year datatype issue, it was discovered that the Special Activity reporting views did not exist in any business concepts. These views were added to the following business concepts in both Cognos and Oracle Discoverer as described.

• Reporting Tools Business Concepts that include the SPECIAL_ACTIVITY_YEAR and SPECIAL_ACTIVITY_YEAR_SLOT reporting views:
  • CONSTITUENT
  • CONSTITUENT ENTITY

• Reporting Tools Business Concept that includes the SPECIAL_ACTIVITY_YEAR reporting view:
  • ORGANIZATIONAL CONSTITUENT

• Reporting Tools Business Concept that includes the SPECIAL_ACTIVITY_YEAR, SPECIAL_ACTIVITY_YEAR_SLOT, and SPECIAL_ACTIVITY_SLOT reporting views:
  • PERSON SUPPLEMENTAL
Common

The following sections describe the new data coverage enhancements related to Common information.

Added ability to identify type of address used for a report

Resolves RPE 1-5GUGDL and RPE 1-12OLOS1

When a client uses the PERSON_ADDRESS or ORGANIZATION_ENTITY_ADDRESS it selects the individual address that is active and first in the hierarchy sequence defined. Some institutions would like to know the address type by the person or organization entity that was returned by the address rule. Enhancement will add the ADDRESS_TYPE and ADDRESS_TYPE_DESC to the reporting views PERSON_ADDRESS and ORGANIZATION_ENTITY_ADDRESS. These reporting views will include all persons even when the person or organization entity has no address data because they do not meet the address rule criteria.

The address information is optional for most reporting and all entities may not have an active address that matches the ADDRESS_RULE, so the business concepts were reviewed to make certain no data will be lost when no address is reported.

Business concepts joins were adjusted as required to make certain no records were lost. This meant a left outer join was used. Verified and changed as necessary the Cognos FM Model/packages and Discoverer EULs.

Solution

The changes made provide the ability to identify the type of address used for a report with the ADDRESS_RULE used to select the single address record.

New objects

None

Modified objects

The following objects were modified.

• Reporting view PERSON_ADDRESS includes these new columns:
  • ADDRESS_TYPE
  • ADDRESS_TYPE_DESC

• Reporting Tools Business Concepts that include new PERSON_ADDRESS columns:
  • Admissions Application
  • Advancement Prospect
• Advisor Student List
• Constituent
• Employee
• Enrollment Management
• Faculty Assignment
• Financial Aid Application
• Financial Aid Award and Disbursement
• Government Reporting
• Human Resource Application
• Human Resource Faculty
• Loan Disbursement
• Payroll
• Person Demographic
• Pledge
• Position
• Recruitment Information
• Student Detail

• Reporting view ORGANIZATION_ENTITY_ADDRESS includes these new columns:
  • ADDRESS_TYPE
  • ADDRESS_TYPE_DESC

• Reporting Tools Business Concepts that include new ORGANIZATION_ENTITY_ADDRESS columns:
  • Organization Entity
  • Organizational Constituent

• Reporting Tools Business Concepts that includes new PERSON_ADDRESS and new ORGANIZATION_ADDRESS columns:
  • Advancement Rating
  • Annual Giving
  • Campaign Giving History
  • Designation Giving History
  • Event
  • Receivable Customer
  • Receivable Revenue
  • Relationship
• Modified join to an outer join for either PERSON_ADDRESS or ORGANIZATION_ENTITY_ADDRESS for Cognos FM Model/Packages and Oracle Discoverer EUL:
  • Admissions Application
  • Advancement Prospect
  • Faculty Assignment
  • Loan Disbursement
  • Organization Entity
  • Organization Constituent
  • Person Demographic
  • Receivable Customer
  • Receivable Revenue

Added new TELEPHONE_CURRENT reporting view

Resolves RPE 1-10M3MB7

A TELEPHONE_CURRENT reporting view needs to be created and stored in the ODS database so that it may be used in the Cognos reporting tool as a query subject but also be available to all other ODS client selected reporting tools. The logic to select a non-ended telephone number that is not identified as inactive is similar to that of the ADDRESS_CURRENT and will permit the option of only using valid telephone numbers.

Adding the TELEPHONE_CURRENT reporting view as a query subject to the ODS Data View and all other business concepts where current telephone number is required means that it will not have be done multiple times and in many reporting tools.

Solution

The TELEPHONE_CURRENT reporting view was added to the ODS database so that it may be defined to the Cognos and Oracle reporting tool meta data for delivery to ODS clients using either reporting tool or other reporting tools. Cognos users will notice a major performance improvement to reports that access this reporting view.

New objects

The following objects were added.

• New reporting view TELEPHONE_CURRENT
  • Remove Cognos defined query subject TELEPHONE_CURRENT from all business concepts and replace with new reporting view
Modified objects

The following objects were modified.

- Reporting Tools Business Concepts that had the query subject removed and updated or added to include the new TELEPHONE_CURRENT reporting view:
  - Active Registration
  - Admissions Application
  - Advancement Prospect
  - Advancement Rating
  - Advisor Student List
  - Annual Giving
  - Campaign Giving History
  - Constituent
  - Designation Giving History
  - Employee
  - Enrollment Management
  - Event
  - Faculty Assignment
  - Financial Aid Application
  - Financial Aid Award and Disbursement
  - Government Reporting
  - Human Resource Application
  - Organization Entity
  - Payroll
  - Pledge
  - Person Demographic
  - Position
  - Recruitment Information
  - Receivable Customer
  - Receivable Revenue
  - Relationship
  - Student Detail
Added alternative ID data

Resolves RPE 1-4AW37H

Users would like to have Alternative ID (GORADID) data added to the ODS so that they can take advantage of the additional Identification data captured in Banner through a tab on the Identification Form (SPAIDEN). Alternative IDs are recorded in Banner when it is important to track those IDs for cross-reference of the Banner ID with an internal or an external system. The alternative IDs are important to make this cross reporting possible.

Solution

Added repeating table data so the Alternative IDs are available in a new reporting view that was added to Person Supplemental and Organization Entity business concept in the Cognos packages. Add count of alternative IDs to PERSON_DETAIL and ORGANIZATION_ENTITY reporting views.

Note: New reporting view ALTERNATIVE_ID is added to the Oracle Discoverer EUL.

New objects

The following objects were added.

- New composite view AG_ALTERNATIVE_ID
- New composite table MGT_ALTERNATIVE_ID
- New reporting view ALTERNATIVE_ID

Modified objects

The following objects were modified.

- Reporting views PERSON, PERSON_DETAIL, and ORGANIZATION_ENTITY added new column
  - ALTERNATIVE_ID_COUNT
  - ENTITY_CREATE_USER
  - ENTITY_CREATE_DATA_ORIGIN
  - ENTITY_CREATE_DATE
  - ENTITY_UPDATE_USER
  - ENTITY_ORIGIN
  - ENTITY_ACTIVITY_DATE
- Reporting Tools Business Concept added new reporting view ALTERNATIVE_ID
  - Person Supplemental
  - Organization Entity
• ADD new PERSON_DETAIL and ORGANIZATION_ENTITY columns to the business
concept/package listed below:

  - As required joined the Organization Entity package by removing the
    ORGANIZATION_ENTITY reporting view in the business concept and added an
    alias to the ORGANIZATION_ENTITY reporting view.

  - PERSON_DETAIL reporting views are joined as an alias to the PERSON_DETAIL
    reporting view in the Person Supplemental business concept/package.
    - Advancement Prospect
    - Advancement Rating
    - Annual Giving
    - Campaign Giving History
    - Designation Giving History
    - Event
    - Gift
    - Invoice Payable
    - Pledge
    - Purchasing Payable
    - Receivable Customer
    - Receivable Revenue
    - Relationship
    - Solicitation Effort

• ADD new PERSON_DETAIL columns only to the business concept/packages listed
below:

  - PERSON_DETAIL reporting views are joined as an alias to the PERSON_DETAIL
    reporting view in the Person Supplemental business concept/package.
    - Active Registration
    - Admissions Application
    - Advisor Student List
    - Constituent
    - Employee
    - Enrollment Management
    - Faculty Assignment
    - Financial Aid Application
    - Financial Aid Award and Disbursement
    - Government Reporting
    - Human Resource Application
• Added the join to the Organization Entity package by removing the ORGANIZATION_ENTITY reporting view and adding an alias to the ORGANIZATION_ENTITY reporting view within the Organization Entity business concept/package:
  – Organizational Constituent
  – Organizational Entity

Note: Since functionality is different in Oracle Discoverer EUL, added the new ALTERNATIVE_ID new reporting view to all appropriate business concepts/EULs.

Corrected Cognos Framework Manager joins

Resolves Defect 1-16FMJWV

When Cognos Framework Manager (FM) relationships defined between query subjects in a package are 0..N or 1..N, it causes the amounts on the central reporting view to multiply by the number of associated records to the join. Because the ODS is not working with star schemas, all relationships defined in Cognos packages should always be defined as 0..1 or 1..1. That way when counts or amounts are displayed, and the items selected from the joined view are unique, then the amounts do not multiply and present incorrect data.

Solution

Change all joins in Cognos FM defined as 0..N to 0..1 and from 1..N to 1..1.

New objects

None
Modified objects

The following Reporting Tools Business Concepts were changed to include corrected joins from 0..N to 0..1 and from 1..N to 1..1:

- Account Index Audit
- Active Registration
- Admission Application
- Advisor Student List
- Authorization
- Constituent
- Course Catalog
- Employee
- Endowment Distribution
- Endowment Unit
- Financial Aid Application
- Financial Aid Award and Disbursement
- Financial Aid Fund
- Fixed Asset
- General Ledger
- Organizational Constituent
- Gift
- Government Reporting
- Grant and Project
- Human Resource Application
- Institution
- Invoice Payable
- Loan Disbursement
- Organization Entity
- Payroll
- Pledge
- Person Demographic
- Person Supplemental
- Position
- Purchasing Payable
- Receivable Customer
Finance

The following sections describe the new data coverage enhancements related to Finance information.

Added grant events and personnel

Three RPEs were resolved in the area of grants and billing. See the summary of each RPE and its solution in the following descriptions.

Resolves RPE 1-5QXBAL, 1-HM1OT

Grant Departments want to create reports that specify if a status on a grant billing payment is pending or complete and who the responsible user is of that grant. They would like to report on the billing formats, event frequency, payment method, and billing or report cycle start and end dates being used for the grant. In the university setting, grants are divided and sent out to each grant specialist for them to manage. Currently there is no way to obtain this information from the ODS.

Solution

Create GRANT_PERSONNEL reporting view to provide the ability to report on all the responsible personnel assigned to the grant, their roles, and send them reports via email or other contact information. Create GRANT_EVENT and GRANT_EVENT_STATUS reporting views to provide the ability to report on the generated billing events or reporting events for the grant, responsible personnel assigned to the event, and if the event has been satisfied or is still pending. This includes the type of event, event frequency, payment method for the bill, billing format, and billing start and end dates for the billing cycles.

Resolves RPE 1-D46F44

New columns were added with Finance release 8.2 to support a new federal financial report-billing format. These columns include an email address for the Principal Investigator and the total recipient share for the grant. The total recipient portion includes all matching and cost sharing provided by the recipients and third party providers to meet the level required by the federal agency. These columns as well as the new effort
certification required on the grant and federal funding agency of the CFDA are important for reporting.

Solution

Add new columns to the grant view to determine if effort certification is required for the grant. Report on the federal funding agency name associated with the CFDA. Report on the total recipient share of the grant required by the federal agency for all matching and cost sharing.

New objects

The following objects were added.

• Composite views:
  • AF_GRANT_EVENT
  • AF_GRANT_EVENT_STATUS
  • AF_GRANT_PERSONNEL

• Composite tables:
  • MFT_GRANT_EVENT
  • MFT_GRANT_EVENT_STATUS
  • MFT_GRANT_PERSONNEL

• Reporting views:
  • GRANT_EVENT
  • GRANT_EVENT_STATUS
  • GRANT_PERSONNEL

Modified objects

The following objects were modified.

• Reporting view GRANT_VIEW includes these new columns:
  • EFFORT_CERTIFICATION_REQ_IND
  • PRIN_INVESTIGATOR_EMAIL_ADDR
  • FEDERAL_IDENTIFICATION_STATUS
  • FEDERAL_AGENCY_NAME
  • TOTAL_RECIPIENT_SHARE_AMOUNT
  • GRANT_ACTIVITY_DATE, GRANT_USER_ID

• Reporting Tools Business Concepts that include the new GRANT_VIEW columns:
  • Grant and Project
  • Fixed Asset
• Operating Ledger
• Grant Ledger
• General Ledger

• Reporting Tools Business Concept Grant and Project now includes these new reporting views:
  • GRANT_EVENT
  • GRANT_EVENT_STATUS
  • GRANT_PERSONNEL

• Reporting Tools Business Concept Grant and Project now includes this existing reporting view:
  • ORGANIZATION_HIERARCHY

### Added detail behind grant deferred costs

**Resolves Defect 1-D46F6I**

Banner Finance release 8.4 created a new table to retain the detail information behind deferred grant indirect costs, cost share, and revenue. Clients need the ability to report on the detail behind the summary of these costs. This can assist in analyzing individual transactions by document type and reconciling any outstanding issues.

**Solution**

Create new GRANT_DEFERRED_COST reporting view that provides the ability to report on the detail behind summarized posted transactions for deferred grant indirect costs, cost share, and revenue.

**New objects**

The following objects were added.

• Composite view AF_GRANT_DEFERRED_COST
• Composite table MFT_GRANT_DEFERRED_COST
• Reporting view GRANT_DEFERRED_COST

**Modified objects**

The following objects were modified.

• Reporting Tools Business Concept that includes the new reporting view GRANT_DEFERRED_COST:
  • Grant and Project
Added vendor data and adjusted “remit to” logic

Several RPEs and a defect were resolved in the area of vendors. The following sections describe each RPE, the defect, and the overall solution that addresses them.

Resolves RPE 1-3NE8OW, RPE 1-4B3021

Vendor effective and termination dates were missing from the Vendor reporting view. There is a need to be able to distinguish between active and terminated vendors. We want to create a Discoverer workbook that lists only active vendors and has limited information so it is shorter and more manageable than the one in Banner - FARVALP.

Resolves RPE CMS-RPE47475

Need to be able to report on the actual address sequence number used with the address type. Field already exists in AF_VENDOR and MFT_VENDOR as ORDER_FROM_ADDRESS_NUMBER but is needed in the VENDOR reporting view.

Resolves RPE CMS-RPE45256

New fields released in Banner Finance 7.0 need to be added to Vendor to support e-procurement originating vendors. Add fields FTVVEND_EPROC_IND and FTVVEND_DATA_ORIGIN to support queries separating e-procurement vendors.

Resolves RPE 1-H4DTIS

New columns were added in Banner Finance release 8.4 to support vendor holds on orders and payments, however, the data is missing from the ODS. Users need to be able to analyze vendors with holds on them.

Resolves Defect 1-127ZWY5

Prior to this release, “remit to” information was not indicative of the real remit to vendor. If there is no check vendor (FTVVEND_VENDOR_CHECK_PIDM), then the remit to vendor is the vendor itself (FTVVEND_PIDM) and we should use the default accounts payable address (FTVVEND_VENDOR_CHECK_ATYP_CODE) for the FTVVEND_PIDM. However, if there is a check vendor for this vendor, we should use the check vendor’s default accounts payable remit to address from its vendor record. This is the way the Invoice form works in Finance to default the appropriate remit to information.

Solution

The Vendor reporting view was enhanced to include all usable remaining columns from the FTVVEND table in Banner Finance. Reports can now segregate inactive vendors, e-procurement vendors, when a vendor becomes active, determine the order from and remit to address number used with the address type for accurate identification of the address, and which vendors have order or payment holds on them.

Additionally, the remit to information now represents the address of the vendor the check will be written to. For example, if the vendor check PIDM exists on the vendor, then that
becomes the remit to vendor, and we now use that vendor’s default accounts payable address information for the remit to information. If the vendor does not have a vendor check PIDM, then we use the vendor as the vendor check PIDM and use its default accounts payable address information for the remit to information.

**New objects**

None

**Modified objects**

The following objects were modified.

- Reporting view Vendor includes these new columns:
  - VENDOR_START_DATE, VENDOR_TERMINATION_DATE
  - FEDERAL_REPORT_VENDOR_UID, FEDERAL_REPORT_VENDOR_ID, FEDERAL_REPORT_VENDOR_NAME
  - FEDERAL_WITHHOLDING_PERCENT, STATE_WITHHOLDING_PERCENT
  - TAX_INCOME_TYPE_KEY, TAX_INCOME_TYPE, TAX_INCOME_TYPE_DESC, VENDOR_COLLECTS_TAX, VENDOR_COLLECTS_TAX_DESC
  - ORDER_FROM_ADDRESS_NUMBER, REMIT_TO_ADDRESS_NUMBER, PHONE_COUNTRY_CODE
  - REMIT_TO_VENDOR_UID, REMIT_TO_VENDOR_ID, REMIT_TO_VENDOR_NAME

- Reporting Tools Business Concepts that include the new Vendor columns:
  - Invoice Payable
  - Purchasing Payable
  - Organization Entity
  - Transaction History
  - Person Role
  - Fixed Asset
  - Encumbrance

**Added bank reconciliation transaction date**

Resolves RPE 1-2SDSAJ, RPE 1-4577X5 (duplicate), 1-BMV8QD (duplicate)

Users unable to report on the date a check cleared the bank. Users request that the FABBKTP_TRANS_DATE be included in the INVOICE_CHECK view.
Solution

Added the bank transaction date, bank reconciliation indicator, bank check amount, and bank transaction description to the INVOICE_CHECK reporting view to aid in the reconciliation process for Finance checks.

New objects

The following objects were added.

- New Function FOKODSF.F_GET_FABBKTP_TRANS_DATE to retrieve the maximum transaction date for the check if it was entered into the reconciliation table more than once.

Modified objects

The following objects were modified.

- Composite table MFT_INVOICE_CHECK, corrected BANK_ID datatype from VARCHAR2(9) to VARCHAR2(63).
- Reporting view INVOICE_CHECK, corrected BANK_ID datatype from VARCHAR2(9) to VARCHAR2(63).
- Reporting view INVOICE_CHECK includes these new columns:
  - CHECK_TYPE_DESC
  - RECONCILIATION_IND_DESC
  - AUTOMATED_CLEARING_HOUSE_IND
  - BANK_TRANSACTION_DATE
  - BANK_RECONCILIATION_IND, BANK_RECONCILIATION_IND_DESC
  - BANK_CHECK_AMOUNT
  - BANK_TRANSACTION_COMMENT
- Reporting Tools Business Concept that includes the new columns:
  - Invoice Payable
  - Purchasing Payable

Added new INVOICE_ACCOUNTING_TAX_RATE reporting view

Resolves Defect 1-11KL4TZ

The ODS Invoice Payable Cognos package has incorrect joins for Invoice Accounting with Invoice Tax Rate. Using items from Invoice, Invoice Accounting and Invoice Tax Rate returns multiple rows, one for each Invoice Accounting row for each Invoice Tax Rate. The problem is that the INVOICE_TAX_RATE view was created without considering that it
contained individual records for Invoice Tax Items and individual records for Invoice Tax Accounting items. The INVOICE_TAX_RATE_SLOT is pulling in all rows where the item number is equal. Consequently, it will pull in rows for accounting where the item number is not equal to 0.

Solution

Provide the ability to segregate invoice item taxes from invoice accounting taxes and report on each separately. Exclude invoice accounting taxes from the INVOICE_TAX_RATE_SLOT, reporting on only invoice item taxes.

New objects

The following objects were added.

• Reporting view INVOICE_ACCOUNTING_TAX_RATE displays only invoice accounting taxes

Modified objects

The following objects were modified.

• Reporting view INVOICE_ITEM_TAX_RATE modified to display only invoice item taxes.
• Reporting view INVOICE_TAX_RATE_SLOT modified to display only invoice item taxes.
• Reporting Tools Business Concepts that include the new reporting view INVOICE_ACCOUNTING_TAX_RATE:
  • Invoice Payable - joined to INVOICE_ACCOUNTING
  • Purchasing Payable - joined to INVOICE_ACCOUNTING

Added new reporting views for commodity level accounting

Resolves RPE 1-147BHYL

Need to retrieve the FOAPALs from the Purchase_Order_Accounting for each Purchase_Order_Item so that the amount by FOAP can be reported for each Commodity - “based on the quantity received and how much should each FOAP be billed”. Current processing retrieves the wrong result as the join for the accounting is based on the document level. Commodity Accounting has not been handled in the join between Purchase_Order_Item and Purchase_Order_Accounting. The same problem exists for a needed relationship between INVOICE_ITEM and INVOICE_ACCOUNTING in both the Purchasing Payables and Invoice Payables packages.
Solution

Provide the ability to segregate commodity level accounting from document level accounting for both the purchase order and the invoice, and report on each separately.

New objects

The following objects were added.

• Reporting view INVOICE_ITEM_ACCOUNTING
• Reporting view PURCHASE_ORDER_ITEM_ACCOUNTING

Modified objects

The following objects were modified.

• Reporting view INVOICE_ACCOUNTING modified to display only document level accounting (where ITEM = 0)
• Reporting view PURCHASE_ORDER_ACCOUNTING modified to display only document level accounting (where ITEM = 0)
• Reporting Tools Business Concepts that include the new INVOICE_ITEM_ACCOUNTING reporting view:
  • Invoice Payable - joined to INVOICE_ITEM
  • Purchasing Payable - joined to INVOICE_ITEM
• Reporting Tools Business Concept that includes the new PURCHASE_ORDER_ITEM_ACCOUNTING reporting view:
  • Purchasing Payable - joined to PURCHASE_ORDER_ITEM

Added Finance tax data

Resolves RPE 1-4POJE3

Users are unable to report on Finance tax table FAB1099 and Accounts Receivable tax table TTBAXTN.

Solution

Provide one reporting view reporting on Finance 1099 tax data called VENDOR_TAXABLE_REPORTING. Provide one reporting view reporting on Accounts Receivable 1098-T tax data called STUDENT_TAX_NOTIFICATION.

This enhancement includes changes to both the accounts receivable and finance modules. Refer to the description of the enhancement in the section “Added AR tax data” on page 10 under the Finance module.
New objects

The following objects were added.

- New reporting view:
  - VENDOR_TAXABLE_REPORTING

Modified objects

The following objects were modified.

- Reporting view VENDOR includes the new columns:
  - FEDERAL_ADDRESS_TYPE
  - FEDERAL_ADDRESS_NUMBER
  - All associated address information

- Reporting Tools Business Concepts that include the new columns for VENDOR_TAXABLE_REPORTING:
  - Invoice Payable
  - Purchasing Payable

- Reporting Tools Business Concepts that include the new columns for VENDOR:
  - Purchasing Payable
  - Invoice Payable
  - Encumbrance
  - Fixed Asset
  - Organization Entity
  - Person Role
  - Transaction History

Added Finance control accounts data

Resolves RPE 1-2UA1YT

Users need to be able to link operating ledger to general ledger through the control accounts and list the detail from the operating ledger.

Solution

Added control accounts for each operating ledger amount on the OPERATING_LEDGER. Create a new Operating Ledger Reconciliation package to link the operating ledger to the general ledger via each control account.
New objects

The following object was added.

• New reporting business concept Operating Ledger Reconciliation

Modified objects

The following objects were modified.

• Reporting view ACCOUNT_HIERARCHY include the new columns:
  • CTRL_ADOPTED_BUDGET, CTRL_ADOPTED_BUDGET_DESC
  • CTRL_ADOPTED_BUDGET_SEQUENCE, CTRL_ADOPTED_BUDGET_SEQ_DESC
  • CTRL_BUDGET_ADJUSTMENT, CTRL_BUDGET_ADJUSTMENT_DESC
  • CTRL_BUDGET_ADJUST_SEQUENCE, CTRL_BUDGET_ADJUST_SEQ_DESC
  • CTRL_ACTUAL_ACTIVITY, CTRL_ACTUAL_ACTIVITY_DESC
  • CTRL_ACTUAL_ACTIVITY_SEQUENCE, CTRL_ACTUAL_ACTIVITY_SEQ_DESC
  • CTRL_ENCUMBRANCE, CTRL_ENCUMBRANCE_DESC
  • CTRL_ENCUMBRANCE_SEQUENCE, CTRL_ENCUMBRANCE_SEQ_DESC
  • CTRL_BUDGET_RESERVE, CTRL_BUDGET_RESERVE_DESC
  • CTRL_BUDGET_RESERVE_SEQUENCE, CTRL_BUDGET_RESERVE_SEQ_DESC
  • CTRL_TEMPORARY_BUDGET, CTRL_TEMPORARY_BUDGET_DESC
  • CTRL_TEMPORARY_BUDGET_SEQUENCE, CTRL_TEMPORARY_BUDGET_SEQ_DESC
  • CTRL_ADOPTED_BUDGET_PY, CTRL_ADOPTED_BUDGET_PY_DESC
  • CTRL_BUDGET_ADJUSTMENT_PY, CTRL_BUDGET_ADJUSTMENT_PY_DESC
  • CTRL_ACTUAL_ACTIVITY_PY, CTRL_ACTUAL_ACTIVITY_PY_DESC
  • CTRL_ENCUMBRANCE_PY, CTRL_ENCUMBRANCE_PY_DESC
  • CTRL_BUDGET_RESERVE_PY, CTRL_BUDGET_RESERVE_PY_DESC
  • CTRL_TEMPORARY_BUDGET_PY, CTRL_TEMPORARY_BUDGET_PY_DESC

• Reporting view OPERATING_LEDGER include the new columns:
  • CTRL_ADOPTED_BUDGET, CTRL_ADOPTED_BUDGET_DESC
  • CTRL_ADOPTED_BUDGET_SEQUENCE, CTRL_ADOPTED_BUDGET_SEQ_DESC
  • CTRL_BUDGET_ADJUSTMENT, CTRL_BUDGET_ADJUSTMENT_DESC
  • CTRL_BUDGET_ADJUST_SEQUENCE, CTRL_BUDGET_ADJUST_SEQ_DESC
  • CTRL_ACTUAL_ACTIVITY, CTRL_ACTUAL_ACTIVITY_DESC
• CTRL_ACTUAL_ACTIVITY_SEQUENCE, CTRL_ACTUAL_ACTIVITY_SEQ_DESC
• CTRL_ENCUMBRANCE, CTRL_ENCUMBRANCE_DESC
• CTRL_ENCUMBRANCE_SEQUENCE, CTRL_ENCUMBRANCE_SEQ_DESC
• CTRL_BUDGET_RESERVE, CTRL_BUDGET_RESERVE_DESC
• CTRL_BUDGET_RESERVE_SEQUENCE, CTRL_BUDGET_RESERVE_SEQ_DESC
• CTRL_TEMPORARY_BUDGET, CTRL_TEMPORARY_BUDGET_DESC
• CTRL_TEMPORARY_BUDGET_SEQUENCE, CTRL_TEMPORARY_BUDGET_SEQ_DESC

• Reporting Tools Business Concepts that include the new columns for ACCOUNT_HIERARCHY:
  • Encumbrance
  • Endowment Units

• Reporting Tools Business Concepts that include the new columns for OPERATING_LEDGER:
  • Operating Ledger
  • Transaction History

**Populated operating ledger LAST_YEAR_ACTUAL**

**Resolves RPE 1-2GDPKF and 1-CH65VT (duplicate)**

The LAST_YEAR_ACTUAL field is not populated in the operating ledger as it was intended for other products like Plus to populate. This can be populated from Banner Finance to compare current period actuals against prior year actuals or prior current year summary actuals against prior year summary actuals. Users need to be able to easily compare activity between current year and prior year.

**Solution**

Populate LAST_YEAR_ACTUAL with the 14th period SUM_YEAR_TO_DATE_ACTIVITY from the prior fiscal year. Created two new fields:

• SUM_LAST_YEAR_ACTUAL populated with the prior year amount from the same period for SUM_YEAR_TO_DATE_ACTIVITY.
• CURR_PERIOD_LAST_YEAR_ACTUAL populated with the prior year amount from the same period for CURR_YEAR_TO_DATE_ACTIVITY.

**New objects**

None
Modified objects

The following objects were modified.

- Reporting view OPERATING_LEDGER includes these new columns:
  - SUM_LAST_YEAR_ACTUAL
  - CURR_PERIOD_LAST_YEAR_ACTUAL
- Reporting view OPERATING_LEDGER now populates pre-existing column:
  - LAST_YEAR_ACTUAL with period 14 of last year's SUM_YEAR_TO_DATE_ACTIVITY

Added multi-year encumbrance data

Resolves RPE 1-2B7BZ5

Finance release 8.0 introduced a new indicator to allow for encumbering multiple years of labor for grant related jobs. Users need to be able to identify which grant-fund relationships support multi-year encumbering and which encumbrances are multi-year encumbrances.

Solution

Added MULTI_YEAR_ENCUMBRANCE_IND to reporting views GRANT_FUND and ENCUMBRANCE_ACCOUNTING. Added LABOR_ITEM_TYPE to identify future or current year salary, fringe or residual labor encumbrance items to ENCUMBRANCE_ACCOUNTING.

Resolves RPE CMS-RPE45556

Users unable to report remaining balance of an encumbrance without adding calculations to the reporting view. Add remaining encumbrance balance field on ENCUMBRANCE and ENCUMBRANCE_ACCOUNTING.

Solution

Calculated and added the LEDGER_ENCUMBERED_AMOUNT (representing original encumbrance plus any adjustments) and LEDGER_REMAINING_BALANCE (representing original encumbrance plus adjustments plus liquidations) fields on the ENCUMBRANCE_ACCOUNTING and ENCUMBRANCE reporting views.

Resolves RPE 1-D46F3Z

Finance release 8.0 introduced new columns to support data origins in encumbrances. Users are unable to report off of these columns.
Solution

Added new columns to ENCUMBRANCE and ENCUMBRANCE_ACCOUNTING to support who created the encumbrance and where the encumbrance was sourced from.

New objects

None

Modified objects

The following objects were modified.

- Reporting view GRANT_FUND includes the new columns:
  - MULTI_YEAR_ENCUMBRANCE_IND
  - GRANT_FUND_USER_ID
  - GRANT_FUND_ACTIVITY_DATE

- Reporting view ENCUMBRANCE includes the new columns:
  - HR_ENCUMBRANCE_IND
  - ENCUMBRANCE_TYPE_DESC
  - DEFERRED_EDIT_IND
  - NSF_ON_OFF_IND
  - LEDGER_ENCUMBERED_AMOUNT
  - LEDGER_REMAINING_BALANCE
  - ENCUMBRANCE_USER_ID
  - ENCUMBRANCE_ACTIVITY_DATE
  - ENCUMBRANCE_DATA_ORIGIN
  - ENCUMBRANCE_CREATE_DATE
  - ENCUMBRANCE_CREATE_USER
  - ENCUMBRANCE_CREATE_SOURCE

- Reporting view ENCUMBRANCE_ACCOUNTING includes the new columns:
  - MULTI_YEAR_ENCUMBRANCE_IND
  - HR_ENCUMBRANCE_IND
  - LABOR_ITEM_TYPE
  - HR_ENCUMBRANCE_PERIOD, HR_ENCUMBRANCE_PERIOD_DESC
  - ACCOUNT_INDEX, ACCOUNT_INDEX_DESC, ACCOUNT_INDEX_STATUS
  - LEDGER_ENCUMBERED_AMOUNT
  - LEDGER_REMAINING_BALANCE
• COMMITMENT_TYPE, COMMITMENT_TYPE_DESC, COMMITMENT_PERCENT
• RULE_CLASS, RULE_CLASS_DESC
• FIELD_CODE, FIELD_CODE_DESC
• AVAILABLE_BALANCE_OVERRIDE_IND
• ENC_ACCOUNTING_USER_ID
• ENC_ACCOUNTING_ACTIVITY_DATE
• ENC_ACCOUNTING_DATA_ORIGIN
• ENC_ACCOUNTING_CREATE_DATE
• ENC_ACCOUNTING_CREATE_USER
• ENC_ACCOUNTING_CREATE_SOURCE

• Reporting Tools Business Concepts that include the new columns for ENCUMBRANCE:
  • ENCUMBRANCE
  • INVOICE PAYABLE
  • PURCHASING PAYABLE
  • AUTHORIZATION

• Reporting Tools Business Concept that includes the new columns for ENCUMBRANCE_ACCOUNTING:
  • ENCUMBRANCE

• Reporting Tools Business Concepts Encumbrance includes new filters:
  • ENCUMBRANCE has filter Encumbrance Remaining Balance > 0
  • ENCUMBRANCE_ACCOUNTING has filter Encumbrance Accounting Remaining Balance > 0

• Reporting Tools Business Concept that includes the new column for GRANT_FUND:
  • GRANT AND PROJECT

**Removed ETL dependency on Finance hierarchy fiscal tables**

Resolves RPE 1-12Y9C6K

ETL processing uses the Finance hierarchy fiscal tables to load or refresh TRANSACTION_HISTORY, GENERAL_LEDGER, OPERATING_LEDGER, GRANT_LEDGER, and BUDGET_AVAILABILITY_LEDGER. Using the hierarchy fiscal tables for the load or refresh causes performance degradation because they are very large and built to represent structures for each fiscal period and fiscal year.
Solution

Remove utilization of the hierarchy fiscal tables in the ETL for every composite view and join them back into the creation of equivalent reporting view to increase load and refresh performance.

New objects

The following objects were added.

• New table function MFKFUNC.F_GET_HIERARCHY_FISCAL_DATA to retrieve and populate all the hierarchy fiscal columns required for reporting views that need original hierarchy information.

Modified objects

The following objects were modified.

• Composite table MFT_TRAN_HISTORY removed several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables. These columns were predicated with ACTUAL.

• Composite tables modified to remove several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables:
  • MFT_BUDG_AVAIL_LEDG
  • MFT_GENERAL_LEDGER
  • MFT_GRANT_LEDGER
  • MFT_GRANT_LEDGER_MAX
  • MFT_OPERATING_LEDGER

• The following temporary composite tables used for partition mappings had several columns removed that were being populated by the ETL for the hierarchy fiscal tables: (The removed columns were predicated with ACTUAL.)
  • MFT_TRANS_HISTORY_TEMP1
  • MFT_TRANS_HISTORY_TEMP2
  • MFT_TRANS_HISTORY_TEMP3
  • MFT_TRANS_HISTORY_TEMP4
  • MFT_TRANS_HISTORY_TEMP5

• Composite Views modified to remove several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables:
  • MFVGNL1
  • MFVGR1
  • MFVGR2
• Reporting views modified to populate the hierarchy fiscal data in TRANSACTION_HISTORY view from the new table function MFKFUNC.F_GET_HIERARCHY_FISCAL_DATA:
  • BUDGET_AVAILABILITY_LEDGER
  • GENERAL_LEDGER
  • GRANT_LEDGER
  • OPERATION_LEDGER
  • TRANSACTION_HISTORY

Modified OWB Mappings

• Removed hierarchy fiscal columns which were part of all the loads for:
  • MFT_BUDG_AVAIL_LEDG
  • MFT_GENERAL_LEDGER
  • MFT_GRANT_LEDGER
  • MFT_GRANT_LEDGER_MAX
  • MFT_OPERATING_LEDGER
  • MFT_TRANS_HISTORY
  • MFT_TRANS_HISTORY_TEMP1
  • MFT_TRANS_HISTORY_TEMP2
  • MFT_TRANS_HISTORY_TEMP3
  • MFT_TRANS_HISTORY_TEMP4
  • MFT_TRANS_HISTORY_TEMP5

Financial Aid

The following sections describe the new data coverage enhancements related to Financial Aid information.

Added Financial Aid applicant status and aid year awards data

Resolves RPE 1-2A1J3L, RPE 1-D4ZRCZ, RPE 1-VMi651(duplicate), and RPE 1-VMi64Z

Financial Aid Application Date is defined by a Banner Financial Aid rule to select one of a number of dates available. Based on the institution preference the
RORSTAT_APPL_RCVD_DATE is populated. This date is not included in the ODS FINAID_APPLICANT_STATUS reporting view. Often institutions use the financial aid application date to identify early FAFSA filers for priority awarding consideration.

In addition the FINAID_APPLICANT_IND function identifies whether the person has a financial aid status record for the aid year but does not identify whether the person has completed a federal aid application and or an institution aid application. The existence of an aid application is used in various financial aid and student reporting. Identifying those who have submitted an application and the type of aid application is important reporting information.

Solution

Enhanced reporting with the FINAID_APPLICANT_STATUS reporting view by adding columns to identify financial aid applicant attributes including the date received and type(s) of applications submitted. Enhanced the AWARD_BY_AID_YEAR reporting view by adding columns to report on students with additional Pell or Stafford awards.

New objects

None

Modified objects

The following objects were modified.

- Reporting view FINAID_APPLICANT_STATUS includes these new columns:
  - APPLICATION_RECEIVED_DATE
  - FINANCIAL_AID_APPLICATION_IND
  - FM_APPLICATION_IND, IM_APPLICATION_IND
  - ADDITIONALPELL_AWARDS, ADDITIONALPELL_AWARDS_DESC
  - ADDITIONALSTAFFORD_AWARDS, ADDITIONALSTAFFORD_AWRDS_DESC
  - DEPENDENT_NO_PARENT_DATA
  - DEPENDENT_NO_PARENT_DATA_DESC
- Reporting view AWARD_BY_AID_YEAR include these new columns:
  - ADDITIONALPELL_AWARDS, ADDITIONALPELL_AWARDS_DESC
  - ADDITIONALSTAFFORD_AWARDS, ADDITIONALSTAFFORD_AWRDS_DESC
- Reporting Tools Business Concepts that include the new FINAID_APPLICANT_STATUS columns:
  - Financial Aid Application
  - Financial Aid Award and Disbursement
  - Person Role
  - Loan Disbursement
• Human Resource Application
• Admissions Application
• Reporting Tools Business Concepts that include the new AWARD_BY_AID_YEAR columns:
  • Financial Aid Application
  • Financial Aid Award and Disbursement

Added new data sourced from RCRAPP1, 3, 4 tables

Resolves RPE 1-5W1M5L, RPE 1-EBOSBX, RPE 1-D4ZR7O, RPE 1-D4ZRC6, RPE 1-D4ZRD5, RPE 1-12X8CH3, RPE 1-451TJS, Defect 1-12IZZUZ, Defect 1-14HQNSI

New columns added to the Financial Aid Application tables (RCRAPP1,3,4) over the last five years need to be added to the ODS so that they can be used in reports. There were a number of RPEs examined and the data needs of each were carefully weighed and addressed. Different need analysis reporting views contain a mixture of data from the three Banner tables. Criteria determining which table to use for various columns from RCRAPPX table was used to determine the appropriate ODS MRT-xx table for the data. Meta Data updates were also made.

Solution

Moved new columns of data and descriptions into the appropriate ODS reporting views. This enhances Financial Aid reporting by letting you report on new data gathered on financial aid applications. In addition, revealed columns already in the MRT_FINAIAD_APPLICATIONx tables to appropriate reporting views.

New objects

The following objects were added.
• New function ROKODSF.F_GET_RORMVAL_DESC added to bring in hard coded descriptions stored in RORMVAL by aid year
• New view composite source MROMVAL

Modified objects

The following objects were modified.
• New columns (too many to list in detail) were added to the following reporting views from RCRAPP1, RCRAPP3 and RCRAPP4 Banner tables. Some columns already existed in the composite tables, others are new to support the latest releases in Banner Financial Aid data into the NEED_ANALYSIS reporting views.
  Reporting view NEED_ANALYSIS added new columns
Reporting view NEED_ANALYSIS_DEMOGRAPHIC added new columns
Reporting view NEED_ANALYSIS_FEDERAL_METHOD added new columns
Reporting view NEED_ANALYSIS_INST_METHOD added new columns
Reporting view NEED_ANALYSIS_ISIR_SPECIFIC added new columns

• Reporting Tools Business Concept that includes the modified reporting views:
  • Financial Aid Application

### Added Budgeting by Aid Enrollment Period data

**Resolves RPE 1-13QR397**

Banner Financial Aid released new Period Budgeting Components in its 8.14.1 release. Analysis was done to determine impact on the ODS and incorporate appropriate changes to allow continued reporting by aid year from new Financial Aid period budgeting tables.

**Solution**

Added ability to report on period budget components by aid year and report on period budget components by aid enrollment period. This allows clients to simultaneously use and report on the old and new method of budgeting financial aid.

**New objects**

The following objects were added.

• New composite view AR_PERIOD_BUDGET_COMPONENT
• New composite table MRT_PERIOD_BUDGET_COMPONENT
• New reporting view PERIOD_BUDGET_COMPONENT

**Modified objects**

The following objects were modified.

• Package RNKNEED copied as is from BANINST1 into ODSSRC.
• Package RB_BUDGET_RUN functions copied into ROKODSF package:
  • F_ACTUAL_RUN
  • F_FM_BUDGET_EXISTS
  • F_IM_BUDGET_EXISTS
  • F_PERIOD_BUDGET_ENABLED
• Reporting view FINAID_BUDGET_COMPONENT includes these new columns:
  • PERIOD_BUDGET_ENABLED_IND
- PERIOD_BUDGET_IND
- BUDGET_COMP_ACTIVITY_DATE
- BUDGET_COMP_USER_ID
- BUDGET_COMP_DATA_ORIGIN

- Reporting view FINAID_BUDGET_COMP_SLOT includes this new column:
  - AID_ENROLLMENT_PERIOD
  - PERIOD_BUDGET_IND

  **Note:** The AID_ENROLLMENT_PERIOD will be null if the budget information came from the budgeting components by aid year tables. Otherwise, the AID_ENROLLMENT_PERIOD will be populated if the budget information came from the new period budgeting components tables.

- Composite view MRVAND0 includes these new columns:
  - MRVAND0_FM_BUDGET_AMT
  - MRVAND0_IM_BUDGET_AMT

- Composite view MRVAND1 includes these new columns:
  - MRVAND1_FM_BUDGET_AMT

- Composite view AR_APPLICANT_NEED includes these new columns:
  - FM_COST_OF_EDUCATION
  - IM_COST_OF_EDUCATION

- Reporting view APPLICANT_NEED includes these new columns:
  - FM_COST_OF_EDUCATION
  - IM_COST_OF_EDUCATION

- Reporting view FINAID_BUDGET_COMPONENT summarizes, then unions the budgeting by period tables RBRAPBT and RBRAPBC to be included in reporting of budget components by aid year and budget type.

- Reporting Tools Business Concept that includes the new columns from APPLICANT_NEED, FINAID_BUDGET_COMPONENT, and FINAID_BUDGET_COMP_SLOT:
  - Financial Aid Application

- Reporting Tools Business Concept that includes the new reporting view PERIOD_BUDGET_COMPONENT:
  - Financial Aid Application

- Reporting Tools Business Concept that includes the new filters of Period Budget and Aid Year Budget for FINAID_BUDGET_COMP_SLOT:
  - Financial Aid Application
• ODS Financial Aid Object: Access views and functions de-supported:
  • View AR_BUDGET_COMPONENTS
  • View AR_FINAID_APPLICANT
  • Function F_More_Budget_Components (mrkfunc.sql)
  • Function F_Get_Budcomp_rowid (mrkfunc.sql)

### Added Pell lifetime eligibility and PLUS application data

Several RPEs were resolved related to Pell lifetime eligibility and PLUS. The following sections describe each RPE and the overall solution that addresses them.

**Resolves RPE 1-D4ZREG and RPE 1-12GCL6F**

In Banner Financial Aid 8.7 modifications were made to direct loans (RPRLAPP) and award disbursements (RPRADSB) to capture Pell Lifetime Eligibility Used and PLUS application credit data on direct loans. New functionality released in Banner Financial Aid 8.12.0 supports COD updates for Entrance Counseling tag data and captures data received in PLUS application. These same columns need to be added to the ODS to Report on Pell Lifetime Eligibility Used and PLUS application credit data on direct loans.

**Resolves RPE 1-D4ZR7H**

In Banner Financial Aid Release 8.1 modifications were made to track the percentage of the student's eligibility used by the institution for the scheduled award of the aid year. This column needs to be added to the ODS to report on the student's eligibility used by the institution for the scheduled award of the aid year.

**Resolves RPE 1-BIC2EX**

Would like to see an additional field in AWARD_DISBURSEMENT which would hold the calculated field value held in the source column (RPRADSB_SCHEDULE_AMT) to allow reconciliation of disbursement payments before they are made.

**Solution**

Added ability to report for a student the PELL lifetime eligibility used and percent of scheduled award used within an aid year (released in Banner Financial Aid 8.7 and 8.1). Added ability to report on new PLUS application credit data on direct loans, new PLUS application data and Entrance Counseling tag data (released in Banner Financial Aid 8.1 and 8.12.0). Added ability to review scheduled amount for disbursement that has actually been disbursed or has yet to be disbursed.

**New objects**

The following object was added.
• New function ROKODSF.F_GET_RPRADSB_SCHEDULE_AMT to calculate the schedule disbursement amount.

**Modified objects**

The following objects were modified.

• Reporting view AWARD_DISBURSEMENT includes these new columns:
  • ELIG_SCHEDULE_USED_PERCENT
  • PELL_LIFETIME_ELIGIBILITY_USED

• Reporting view AWARD_DISBURSEMENT modified scheduled amount to reflect the calculated scheduled amount even if the source does not exist. This allows reconciliation of disbursement payments before they are made.

• Reporting view LOAN_APPLICATION includes these new columns:
  • Application data
  • Credit data
  • Entrance Counseling tag data

• Reporting Tools Business Concept includes these new columns for AWARD_DISBURSEMENT:
  • Loan Disbursement
  • Financial Aid Award and Disbursement
  • Receivable Revenue

• Reporting Tools Business Concept includes these new columns for LOAN_APPLICATION:
  • Loan Disbursement
  • Financial Aid Application

**Added Perkins tracking requirements data**

**Resolves Defect 1-LMHS5**

Users are unable to report on Perkins Master Promissory Note tracking requirements information.

**Solution**

Added remaining columns from RRRAREQ to reporting view TRACKING_REQUIREMENT so that users can report on Perkins Master Promissory Note requirement information.
New objects

None

Modified objects

The following objects were modified.

• Reporting view FINAID_TRACKING_REQUIREMENT includes these new columns:
  • REQUIREMENT_SOURCE, REQUIREMENT_SOURCE_DESC
  • INSITITUTION_TYPE, INSITITUTION_TYPE_DESC
  • TRACKING_LETTER_IND
  • PERKINS_EXPIRATION_DATE
  • PERKINS_SATISIFIED_DATE
  • PERKINS_FIRST_DISBURSE_DATE
  • PERKINS_SIGNED_DATE
  • REQUIREMENT_USER_ID
  • REQUIREMENT_DATA_ORIGIN
  • REQUIREMENT_ACTIVITY_DATE

• Reporting Tools Business Concepts that include the new columns:
  • Financial Aid Application

Added change disbursement date indicator

Resolves RPE 1-18GOMAP

Banner Financial Aid release 8.15 added new functionality to let COD know if the actual disbursement date changed supporting advance pay. In so doing, a new record is generated in RPRADSB with a one up sequence number, the amount as zero and the new RPRADSB_DATE_CHANGE_IND set to ‘Y’. The new column should be added to the ODS to let users know which record is just a disbursement date change acknowledgement record. Users can tell because of the disbursement amount being zero, however it would be best to also bring in the new indicator. Banner Financial Aid release 8.14 added new functionality to capture and report to COD the enrollment school code of the physical or online location a student is enrolled for this disbursement.

Solution

Added DISBURSEMENT_CHANGE_DATE_IND and ENROLLMENT_INSTITUTION to the AWARD_DISBURSEMENT reporting view.
New objects
None

Modified objects
The following objects were modified.
• Reporting view AWARD_DISBURSEMENT includes the new columns:
  • DISBURSEMENT_CHANGE_DATE_IND
  • ENROLLMENT_INSTITUTION
• Reporting Tools Business Concepts that include the new columns for AWARD_DISBURSEMENT:
  • Financial Aid Award and Disbursement
  • Loan Disbursement
  • Receivable Revenue

Changed Financial Aid enrollment granularity

Resolves Defect 1-17CCFL8
New functionality released in 8.14.2 changed the granularity of the Financial Aid Enrollment table RORENRL by adding an enrollment rule to the primary key. This causes a unique constraint error on LOAD_MRT_FINAID_ENROLLMENT.

Solution
Add Finaid_Enrollment_Rule to the composite view, composite table and reporting view. Redefine the primary key on MRT_FINAID_ENROLLMENT to include the new enrollment rule.

New objects
None

Modified objects
The following objects were modified.
• Composite view AR_FINAID_ENROLLMENT includes these new columns:
  • FINAID_ENROLLMENT_RULE
  • FINAID_ENROLLMENT_RULE_DESC
• Composite table MRT_FINAID_ENROLLMENT includes these new columns:
• FINAID_ENROLLMENT_RULE
• FINAID_ENROLLMENT_RULE_DESC
• Composite table MRT_FINAID_ENROLLMENT Primary Key now include FINAID_ENROLLMENT_RULE
• Reporting view FINAID_ENROLLMENT includes these new columns:
  • FINAID_ENROLLMENT_RULE
  • FINAID_ENROLLMENT_RULE_DESC
• Reporting Tools Business Concept include the new columns from FINAID_ENROLLMENT:
  • Financial Aid Award and Disbursement
  • Loan Disbursement
  • Student Detail
• ODS Financial Aid Object: Access views that are now obsolete:
  • View AR_AWARD_DETAIL_BY_TERM (already obsolete)
  • View AR_FINAID_STUDENT_SUMMARY

Changed architecture to support tracking requirements by term (completed in Banner ODS 8.2.1)

Resolves RPE 1-D4ZRD3

Banner Financial Aid 8.5 included structural changes related to tracking requirements by term. These changes need to be made in the ODS as well.

Solution

This RPE was actually addressed in Banner ODS 8.2.1 as a patch under the related RPE 1-D301FJ. That patch contained architectural changes in ODS to support academic period and aid enrollment period, which included changes to support tracking requirements by term.

Human Resources

The following sections describe the new data coverage enhancements related to Human Resources (HR) information.
Added labor cost distribution data

Resolves RPE 1-5D774B

New data columns added in the Banner HR 8.x release need to be added to the ODS for reporting on all labor cost distribution data. These fields need to be added to complete client encumbrance reporting requirements. Adding the other NBRJLBD fields (e.g. NBRJLBD_ACTIVITY_DATE) not in the ODS will also enhance reporting options.

Solution

Provide complete labor cost distribution data by providing all available data columns added in the Banner 8.x release.

New objects

None

Modified objects

The following objects were modified.

• Reporting view LABOR_COST_DISTRIBUTION includes these new columns:
  • FUTURE_SALARY_ENCUMB, FUTURE_SALARY_ENCUMB_TO_POST
  • FUTURE_FRINGE_ENCUMB, FUTURE_FRINGE_ENCUMB_TO_POST
  • FUTURE_FRINGE_RESIDUAL, FUTURE_FRINGE_RESIDUAL_TO_POST
  • ENCUMB_OVERRIDE_END_DATE, ENCUMB_LAST_RECAST_DATE, ENCUMB_LAST_CALCULATION_DATE
  • LABOR_COST_DIST_ACTIVITY_DATE, LABOR_COST_DIST_DATA_ORIGIN, LABOR_COST_DIST_USER_ID

• Reporting Tools Business Concepts that include the new LABOR_COST_DISTRIBUTION columns:
  • Employee
  • Employee Position
  • Position
  • Faculty Assignment
Added descriptions for Budget Roll and Premium Earning Roll codes

Resolves RPE 1-VKLSUF

Two columns labeled indicators are not a positive or negative value but rather a set of hard coded Banner Human Resource values. In reports the descriptions for each indicator on the POSITION_DEFINITION reporting view will provide more information.

The composite view, composite table and reporting view should include the descriptions as BUDGET_ROLL_IND_DESC and PREMIUM_EARNINGS_ROLL_IND_DESC from the Banner HR form PTRECLS on POSITION DEFINITION. The Cognos FM Model/Packages and the Oracle Discoverer EUL should contain these new columns in the business concept POSITION.

Solution

Assist end user reporting by providing a descriptive value for the budget roll and premium earning roll code options defined on PTRECLS. These roll codes are used to create the budget amounts when moving the position definition from the previous year.

New objects

None

Modified objects

The following objects were modified.

• Reporting view POSITION_DEFINITION includes these new columns:
  • BUDGET_ROLL_IND_DESC
  • PREMIUM_EARNINGS_ROLL_IND_DESC

• Reporting Tools Business Concept that includes new POSITION_DEFINITION columns:
  • POSITION

Added EPAF data

Resolves RPE 1-36VZFB

Users would like data from the Electronic Personnel Action Form (EPAF) process in the ODS so that they can report on budget and determine the status of EPAF information. Information from NOBTRAN and NORTRAN tables in Banner is needed.
Solution

Added information from the Banner tables NOBTRAN, NORTTRAN, NORTBLD, NORTERN and NORCMNT creating new reporting views.

New objects

The following objects were added.

• Composite view AN_PERSONNEL_ACTION
• Composite table MPT_PERSONNEL_ACTION
• Reporting view PERSONNEL_ACTION

• Composite view AN_PERSONNEL_ACTION_GENERAL
• Composite table MPT_PERSONNEL_ACTION_GENERAL
• Reporting view PERSONNEL_ACTION_GENERAL

• Composite view AN_PERSONNEL_ACTION_EARNING
• Composite table MPT_PERSONNEL_ACTION_EARNING
• Reporting view PERSONNEL_ACTION_EARNING

• Composite view AN_PERSONNEL_ACTION_LABOR_DIST
• Composite table MPT_PERSONNEL_ACTION_LABORDIST
• Reporting view PERSONNEL_ACTION_LABOR_DIST

• Composite view AN_PERSONNEL_ACTION_COMMENT
• Composite table MPT_PERSONNEL_ACTION_COMMENT
• Reporting view PERSONNEL_ACTION_COMMENT

• New change table NORTCHG uses key value PAF_TRANSACTION_NUMBER
• New Business Concept - Personnel Action Audit to include the new reporting views:
  • PERSONNEL_ACTION
  • PERSONNEL_ACTION_GENERAL
  • PERSONNEL_ACTION_EARNING
  • PERSONNEL_ACTION_LABOR_DIST
  • PERSONNEL_ACTION_COMMENT

Modified objects

None
Added FMLA data

Resolves RPE 1-5G1SRJ

Users need to be able to access data from all blocks on PEAFMLA table in Banner to aid in reporting related to compliance with the Family Medical Leave Act (FMLA).

Solution

Added new reporting views that include the data from PERBFML, PERFMLA and PEREFML to allow reporting on the details about employees with family medical leave data.

New objects

The following objects were added.

- Composite view AP_FAMILY_MEDICAL_LEAVE_HIST
- Composite table MPT_FAMILY_MEDICAL_LEAVE_HIST
- Reporting view FAMILY_MEDICAL_LEAVE_HISTORY

- Composite view AP_FMLA_LEAVECOMMENT
- Composite table MPT_FMLA_LEAVECOMMENT
- Reporting view FMLA_LEAVECOMMENT

- Change table PERFCHG
- Change table procedure POKODST.P_ODS_PERFCHG_CHG

Modified objects

The following objects were modified.

- Reporting Tools Business Concepts that include the new reporting views FAMILY_MEDICAL_LEAVE_HISTORY and FMLA_LEAVE_COMMENT:
  - Employee
  - Position
Added HR IPEDS data columns

Resolves RPEs 1-15394DJ, 1-DH8YVR, 1-134SUQ9, 1-14ABBDH

Federal reporting requirements for human resource data have changed and not all the data for IPEDS reporting was included in the ODS. Additional data added to Banner Human Resources (HR) columns will be important for reporting in the ODS. These columns need to be added to the ODS tables.

Solution

Reviewed the ODS tables and views for the specific HR data used in IPEDS reporting and added any missing data. Added EMPLOYEE to Position business concept (RPE 1-DH8YVR).

New objects

None

Modified objects

The following objects were modified.

• Add new HR validation/rules tables to the VALIDATION reporting view (PTVECIP and PTRESOC)
• Add new HR hard coded values to the VALIDATION reporting view (PRIMARY_FUNCTION, CONTRACT_LENGTH and BUDGET_TYPE)
• Reporting view POSITION_DEFINITION includes these new columns:
  • EMPLOYMENT_CATEGORY
  • EMPLOYMENT_CATEGORY_DESC
  • STANDARD_OCCUPATIONAL_CATEGORY
  • STANDARD_OCCUPATIONAL_CAT_DESC
  • BUDGET_TYPE
  • BUDGET_TYPE_DESC
• Reporting views EMPLOYEE_POSITION and EMPLOYEE include these new columns:
  • PRIMARY_FUNCTION
  • PRIMARY_FUNCTION_DESC
  • FEDERAL_MEDICAL_DENTAL_IND
  • EMPLOYMENT_CATEGORY
  • EMPLOYMENT_CATEGORY_DESC
  • STANDARD_OCCUPATIONAL_CATEGORY
  • STANDARD_OCCUPATIONAL_CAT_DESC
• BUDGET_TYPE
• BUDGET_TYPE_DESC

• Reporting view FACULTY_ASSIGNMENT_HISTORY includes these new columns:
  • CONTRACT_LENGTH
  • CONTRACT_LENGTH_DESC

• Reporting Tools Business Concepts added the EMPLOYEE reporting view:
  • Position

• Reporting Tools Business Concepts include these new columns for EMPLOYEEPOSITION:
  • Employee
  • Position
  • Human Resource Faculty
  • Payroll

• Reporting Tools Business Concepts include these new columns for EMPLOYEE:
  • Employee
  • Position
  • Human Resource Application
  • Human Resource Faculty
  • Payroll

• Reporting Tools Business Concepts include this new column for FACULTY_APPOINTMENT_HISTORY:
  • Human Resource Faculty

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Student

The following sections describe the new data coverage enhancements related to Student information.

Added veterans certification data

Resolves RPE 1-II7W1, RPE 1-DI0VMR (duplicate)

Need veterans’ certification data added to the ODS for federal reporting.
Solution

Added new reporting view with Veteran Certification details. Added function to determine the maximum rowid of veteran certification credits and certification date for a person and academic period to use in the STUDENT and STUDENT_EXTENDED reporting views. This provides the ability to report on veteran certification data for the student.

New objects

The following objects were added.

- Composite view AS_VETERAN_CERTIFICATION
- Composite table MST_VETERAN_CERTIFICATION
- Reporting view VETERAN_CERTIFICATION

Modified objects

The following objects were modified.

- Reporting view STUDENT includes these new columns:
  - VETERAN_CERTIFICATION_CREDITS
  - VETERAN_CERTIFICATION_DATE
- Reporting view STUDENT_EXTENDED includes these new columns:
  - VETERAN_CERTIFICATION_CREDITS
  - VETERAN_CERTIFICATION_DATE
  - OUTCOME_NUMBER
- Reporting Tools Business Concepts that include new STUDENT columns:
  - Active Registration
  - Advisor Student List
  - Enrollment Management
  - Financial Aid Award and Disbursement
  - Human Resource Application
  - Person Role
  - Student Detail
- Reporting Tools Business Concepts that include the new VETERAN_CERTIFICATION reporting view:
  - Financial Aid Award and Disbursement
  - Student Detail
Added admissions requirement information

Resolves RPE 1-172B43, RPE 1-3MZEF7

When an admission application is recorded in Banner, admissions checklist items may be generated and may include links to other Banner data including secondary, post secondary and test score data. The Requirement (STVADMＲ_CODE) detail may identify the specific institutions or tests that must be used to satisfy the requirement. Adding Requirement to PREVIOUS_EDUCATION and TEST would enhance the reporting capability. Adding new columns that identify the origin and status of the admissions requirement will permit more detail to be reported.

Note: Admissions Requirement already contains the institution or test or visa required to satisfy the requirement in the REQUIREMENT_REQUIRED_BY_INST and REQUIREMENT_COMMENT columns.

Solution

This added data provides the ability to report on the admissions requirement details so that follow up with the applicant or reporting on outstanding requirements can include additional detail.

New objects

None

Modified objects

The following objects were modified.

• Reporting view ADMISSIONS_REQUIREMENT includes these new columns:
  • REQUIREMENT_SOURCE_DESC (missing description added)
  • REQUIREMENT_ORIGIN and REQUIREMENT_ORIGIN_DESC
  • REQUIREMENT_STATUS and REQUIREMENT_STATUS_DESC
  • REQUIREMENT_ACTIVITY_DATE

• Altered column size on following column in ADMISSIONS_REQUIREMENT reporting view:
  • REQUIREMENT_COMMENT (Defect 1-12Z6S5T)

• Reporting view PREVIOUS_EDUCATION includes these new columns:
  • REQUIREMENT and REQUIREMENT_DESC
  • EDUCATION_USER_ID
  • EDUCATION_DATA_ORIGIN

• Reporting view TEST includes these new columns:
• REQUIREMENT and REQUIREMENT_DESC
• TEST_ASSOCIATED_ACAD_PERIOD and TEST_ASSOCIATED_ACAD_PRD_DESC
• TEST_ASSOCIATED_APPL_NUMBER
• TEST_PERCENTILE, TEST_PERCENTILE_TYPE and TEST_PERCENTILE_TYPE_DESC
• TEST_SAT_ESSAY_ID
• TEST_ACTIVITY_DATE
• TEST_ENTRY_USER_ID
• TEST_DATA_ORIGIN
• Reporting Tools Business Concepts that include new ADMISSIONS_REQUIREMENT columns:
  • Admissions Application
  • Recruitment Information
• Reporting Tools Business Concepts that include new REVIOUS_EDUCATION columns:
  • Institution
  • Person Supplemental
  • Admissions Application
  • Recruitment Information
• Reporting Tools Business Concepts that include new TEST columns:
  • Person Supplemental
  • Admissions Application
  • Recruitment Information

**Added course offering fee data**

**Resolves RPE 1-D743W1 and Defect 1-BL17GK**

The Load/refresh job on the MST_COURSE_OFFERING_FEES gives an Oracle error ORA-00001: unique constraint (ODSMGR.MST_COURSE_OFFERING_FEES_ETL) violated. This is happening because a sequence number was added to the Banner table SSRFEES to identify the unique record. The sequence number needs to be added to the ODS.

Banner added a number of columns to determine when a course-offering fee is to support fee assessment for secondary curriculum. Bringing this additional data into the ODS will enhance the ability to report on course offering fees.
Solution

Added course fee sequence number to COURSE_OFFERING_FEES to correct load unique constraint issue. Added additional course offering fee rules to support reporting on fee assessment for secondary curriculum.

New objects

None

Modified objects

The following objects were modified.

• Reporting view COURSE_OFFERING_FEES includes these new columns:
  • COURSE_FEE_SEQUENCE_NUMBER
  • STUDENT_LEVEL and STUDENT_LEVEL_DESC,
  • CAMPUS, CAMPUS_DESC, RESIDENCY and RESIDENCY_DESC
  • PROGRAM, PROGRAM_DESC, COLLEGE, COLLEGE_DESC, DEGREE, DEGREE_DESC, MAJOR, MAJOR_DESC, DEPARTMENT and DEPARTMENT_DESC
  • ACADEMIC_PERIOD_ADMITTED and ACADEMIC_PERIOD_ADMITTED_DESC
  • CURRICULUM_STUDENT_RATE, CURRICULUM_STUDENT_RATE_DESC, CURRICULUM_STUDENT_POPULATION, CURRICULUM_STUDENT_POP_DESC, CURRICULUM_TYPE and CURRICULUM_TYPE_DESC
  • STUDENT_CLASSIFICATION, STUDENT_CLASSIFICATION_DESC, STUDENT_RATE, STUDENT_RATE_DESC, STUDENT_POPULATION, STUDENT_POPULATION_DESC, STUDENT_ATTRIBUTE, STUDENT_ATTRIBUTE_DESC, STUDENT_COHORT, STUDENT_COHOT_DESC
  • VISA, VISA_DESC
  • COURSE_OFFERING_FEE_USER

• Reporting Tools Business Concepts that include new COURSE_OFFERING_FEES columns:
  • Course Catalog
  • Schedule Offering

Added institutional, transfer, and overall GPA data

Resolves RPE 1-C7VI17 and RPE 1-15KW8F (duplicate)

There are times when a client needs to report on all of the degree GPA data (institutional, transfer, and overall or total) when reporting from the ODS. As of the ODS 8.3 release,
only the Degree GPA overall or total columns are available in the ODS. Adding the institutional, transfer, and overall GPA data columns (six for each GPA type) will enhance the ability to report on Academic Outcome information.

The Banner SHADEGR INB form uses the SHKCGPA.P_DEGR_GPA procedure to calculate and store all eighteen Degree GPA - credit and GPA columns. The six ODS columns on the MST_ACADEMIC_OUTCOME use an ODS copy of this function in SODODSF. F_GET_DEGREE_GPA_DATA. The ODS function needs to be modified to include the additional 12 columns.

Solution

Added the ability to report on all the calculated degree GPA data within the ODS. Provide the total or overall data as well as a breakdown by institution Vs transfer courses used to satisfy degree requirements.

New objects

None

Modified objects

The following objects were modified.

• Reporting view ACADEMIC_OUTCOME includes these new columns:
  • INSTITUTION_CREDITS_ATTEMPTED, INSTITUTION_CREDITS_EARNED, INSTITUTION_CREDITS_PASSED, INSTITUTION_QUALITY_POINTS, INSTITUTION_GPA_CREDITS, INSTITUTION_GPA
  • TRANSFER_CREDITS_ATTEMPTED, TRANSFER_CREDITS_EARNED, TRANSFER_CREDITS_PASSED, TRANSFER_QUALITY_POINTS, TRANSFER_GPA_CREDITS, TRANSFER_GPA

• Reporting view COMBINED_ACADEMIC_OUTCOME includes these new columns:
  • INSTITUTION_CREDITS_ATTEMPTED, INSTITUTION_CREDITS_EARNED, INSTITUTION_CREDITS_PASSED, INSTITUTION_QUALITY_POINTS, INSTITUTION_GPA_CREDITS, INSTITUTION_GPA
  • TRANSFER_CREDITS_ATTEMPTED, TRANSFER_CREDITS_EARNED, TRANSFER_CREDITS_PASSED, TRANSFER_QUALITY_POINTS, TRANSFER_GPA_CREDITS, TRANSFER_GPA

• Reporting view GOVERNMENT_ACADEMIC_OUTCOME includes these new columns:
  • INSTITUTION_CREDITS_ATTEMPTED, INSTITUTION_CREDITS_EARNED, INSTITUTION_CREDITS_PASSED, INSTITUTION_QUALITY_POINTS, INSTITUTION_GPA_CREDITS, INSTITUTION_GPA
  • TRANSFER_CREDITS_ATTEMPTED, TRANSFER_CREDITS_EARNED, TRANSFER_CREDITS_PASSED, TRANSFER_QUALITY_POINTS, TRANSFER_GPA_CREDITS, TRANSFER_GPA

• Function SODODSF. F_GET_DEGREE_GPA_DATA was modified to include additional columns as defined in the Banner function SHKCGPA.P_DEGR_GPA
• Reporting Tools Business Concepts that include new ACADEMIC_OUTCOME columns:
  • Student Detail
  • Enrollment Management

• Reporting Tools Business Concepts that include new COMBINED_ACADEMIC_OUTCOME columns:
  • Employee
  • Human Resources Application
  • Person Supplemental

• Reporting Tools Business Concept that includes new GOVERNMENT_ACADEMIC_OUTCOME columns:
  • Government Reporting

Added enrollment withdrawal data

Resolves RPE 1-1UXW3T, RPE 1-B3MD7, RPE 1-6TBFG1, RPE 1-W2G4H; Defect 1-MJDIGA

Banner Student added functionality to track withdrawal data for third party reporting in the SFRWDRDL database table. This table is used in Banner in the Clearinghouse Extract Report (SFRNSLC) and updated either online on the form SFAWDRL or using a Banner process SFRWDRDL to capture specific attendance data for withdrawn students. Clients would like this enrollment withdrawal data added to the ODS.

Defect corrections as noted in defect 1-MJDIGA were made. Corrected logic for the NOT ENROLLED IND column on ENROLLMENT that was incorrectly set because it did not use the F_ENROLLED_THIS_TERM function. Corrected logic on ENROLLMENT to use the new ENROLLMENT_WITHDRAWAL to populate ENROLLMENT_WITHDRAWAL_DATE.

Solution

Enhanced ability to report on ENROLLMENT_WITHDRAWAL data in the ODS by including the date the student withdrew and other data stored when a student withdrawal is recorded in Banner.

New objects

The following objects were added.
• Composite view AS_ENROLLMENT_WITHDRAWAL
• Composite table MST_ENROLLMENT_WITHDRAWAL
• Reporting view ENROLLMENT_WITHDRAWAL
Modified objects

The following objects were modified.

- Corrected source for these columns on ENROLLMENT reporting view:
  - ENROLLMENT_WITHDRAWAL_DATE
  - NOT_ENROLLED_IND
- Reporting Tools Business Concepts that include new ENROLLMENT columns:
  - Active Registration
  - Advisor Student
  - Financial Aid Award and Disbursement
  - Student Detail

Added Student Attribute slot table

Resolves RPE 1-407SCD

Reporting off the STUDENT_ATTRIBUTE reporting view would be enhanced by having a STUDENT_ATTRIBUTE_SLOT view. Banner allows a student to have one or many student attributes that are all brought into the ODS Composite Table MST_STUDENT_ATTRIBUTE. This makes it possible to report all student attributes but cumbersome to find a student with a specific student attribute overall or within an academic period.

Improve student attribute reporting by adding a student attribute slotted table and reporting view to permit the institution to organize selected student attributes within institution defined student attribute rules to identify and report students with or without a specified set of student attributes.

Solution

Give institutions the ability to establish sets of student attributes by defining sets of Student Attribute display rules stored in MGRSDAX. Assign students to each slot within an internal code in the display rule to easily report the numbers and persons in each slot and within the set.

New objects

The following objects were added.

- Composite table MST_STUDENT_ATTRIBUTE_SLOT
- Reporting view STUDENT_ATTRIBUTE_SLOT
- New set of Student Attribute display rules stored in MGRSDAX that you set up in the Administrative User Interface under the INTERNAL_GROUP = STUDENT_ATTRIBUTE with an institution-defined INTERNAL_CODE. You can define up to ten
EXTERNAL_CODE values in sequence to display. You can also define multiple sets of Student Attribute display rules. Refer to the section "New Student Attribute display rules" for more information about these display rules.

Modified objects

The following objects were modified.

• Reporting Tools Business Concepts that include new STUDENT_ATTRIBUTE_SLOT reporting view:
  • Active Registration
  • Student Detail

• Reporting Tools Business Concept that added existing STUDENT_ATTRIBUTE reporting view:
  • Active Registration

New Student Attribute display rules

A set of Student Attribute display rules is delivered in the MGRSDAX table. These display rules define the student attribute values to store in which slots of the MST_STUDENT_ATTRIBUTE_SLOT table. Using the Student Attribute display rules, you can define a set of up to ten student attributes that you want to relate together under an institution-defined Internal Code. You can define multiples sets of Student Attribute rules. For example, you might define a set of rules that orders student attributes used in student classification rules and a second set that identifies a variety of internal scholarship types.

Use the Administrative User Interface to customize the delivered values of the Student Attribute display rule by defining records with an INTERNAL_GROUP = STUDENT_ATTRIBUTE, INTERNAL_CODE = an institution-defined value, and EXTERNAL_CODE values defined to be your institution’s student attribute values (STVATTS codes) that you want to make available for reporting. You will define a different student attribute value for each slot of the table.

Refer to the Set Up Data chapter of the Banner ODS 8.4 Handbook for details about defining Student Attribute display rules.

Added COURSE_LEVEL_SLOT reporting view

Resolves RPE 1-3MFA6J

COURSE_LEVEL_SLOT reporting view exists and the individual Metadata is there, but it does not exist in any of the business concepts for the ODS.

Solution

Added COURSE_LEVEL_SLOT to the Course Catalog and Schedule Offering packages.
New objects
None

Modified objects
The following objects were modified.
• Reporting Tools Business Concepts that include the pre-existing COURSE_LEVEL_SLOT reporting view:
  • Course Catalog
  • Schedule Offering

Added minimum/maximum credits to enrollment

Resolves RPE 1-D743VZ
Banner Student release 8.0 added the ability to use expanded minimum and maximum credit rules for when a student is registering for an academic period. Minimum hours can now be assigned to students' Registration hours processing using any or all of the curriculum attributes.

Solution
Add data from SFBETRM to the ENROLLMENT reporting view.

New objects
None

Modified objects
The following objects were modified.
• Reporting view ENROLLMENT includes these new columns:
  MINIMUM_REQUIRED_SOURCE
  MINIMUM_REQUIRED_SOURCE_DESC
  MINIMUM_REQUIRED_CREDIT_SOURCE
  MAXIMUM_REQUIRED_CREDITS
  MAXIMUM_REQUIRED_SOURCE
  MAXIMUM_REQUIRED_SOURCE_DESC
  AR_CHARGES_ACCEPTANCE_IND_DESC
  ENROLLMENT_UPDATE_USER
ENROLLMENT_DATA_ORIGIN
ACTIVITY_DATE

- Reporting Tools Business Concepts that include the new ENROLLMENT columns:
  - Financial Aid Award and Disbursement
  - Active Registration
  - Advisor Student List
  - Enrollment Management
  - Student Detail

**Added census data to government admissions**

**Resolves RPE 1-DXFI7**

To know if a positive decision was made, we need the decision code and indicator(s) that shows if this decision is positive and the general student (SGBSTDN) record was created. Without these fields we cannot develop census reports by COUNTY_ADMIT, STATE_PROVINCE_ADMIT, etc.

**Solution**

Added latest decision and associated indicators to the Government Admissions reporting view.

**New objects**

None

**Modified objects**

The following objects were modified.

- Reporting view GOVERNMENT_ADMISSIONS includes these new columns:
  - DECISION_NUMBER
  - DECISION
  - DECISION_DESC
  - DECISION_SOURCE
  - MAINTAINED_IND
  - MAINTENANCE_USER_ID
  - INSTITUTION_ADMIT_IND
  - INSTITUTION_DENIED_IND
• APPLICATION_INACTIVE_IND
• APPLICATION_SIGNIF_IND
• APPLICANT_ACCEPT_IND

• Reporting Tools Business Concept included new columns on
  GOVERNMENT_ADMISSIONS:
  • GOVERNMENT_REPORTING

**Added faculty feedback data**

**Resolves RPE 1-SV14XT**

Add new Banner data for faculty feedback to the ODS to report on mandatory and optional student feedback by person, academic period, course reference number, and session id.

**Solution**

Added new Banner Student 8.5.1 data that captures faculty feedback including estimated grades, comment text, issues and recommendations recorded for students. Faculty feedback within a feedback session may be mandatory and optional for each student registered for the course reference number in the academic period.

**New objects**

The following objects were added.

• Composite view AS_FACULTY_FEEDBACK
• Composite table MST_FACULTY_FEEDBACK
• Reporting view FACULTY_FEEDBACK
• Composite view AS_FACULTY_FEEDBACK_DETAIL
• Composite table MST_FACULTY_FEEDBACK_DETAIL
• Reporting view FACULTY_FEEDBACK_DETAIL

**Modified objects**

The following objects were modified.

• Reporting view STUDENT_COURSE added new column
  • FEEDBACK_DETAIL_EXISTS_IND
• Update Business Concepts with new column on STUDENT_COURSE:
  • Active Registration
  • Advisor Student List
• Student Detail

• Add new reporting views FACULTY_FEEBACK and FACULTY_FEEBACK_DETAIL to the following Business Concepts:
  • Advisor Student List
  • Student Detail
  • Faculty Assignment

### Added instructional method and integration partner data

#### Resolves RPE 1-2S8R7D

Add SSBSECT_INTG_CDE and SSBSECT_INSM_CODE to the ODS MST_STUDENT_COURSE so the fields can be used to distinguish types of courses, particularly those taught online, etc.

#### Solution

Added the Instructional Method (SSBSECT_INSM_CODE) and Integration Partner (SSBSECT_INTG_CODE) to SCHEDULE_OFFERING, STUDENT_COURSE and GOVERNMENT_COURSE.

Update Meta Data as required for COURSE_SCHEDULE as appropriate.

#### New objects

None

#### Modified objects

The following objects were modified.

• Added columns to SCHEDULE_OFFERING
  • INSTRUCTION_METHOD
  • INSTRUCTION_METHOD_DESC
  • INTEGRATION_PARTNER
  • INTEGRATION_PARTNER_DESC
  • INTEGRATION_PARTNER_SYSTEM
  • INTEGRATION_PARTNER_SYS_DESC

• Added columns to GOVERNMENT_COURSE
  • INSTRUCTION_METHOD
  • INSTRUCTION_METHOD_DESC
  • INTEGRATION_PARTNER
• INTEGRATION_PARTNER_DESC
• INTEGRATION_PARTNER_SYSTEM
• INTEGRATION_PARTNER_SYS_DESC

• Added columns to STUDENT_COURSE
  • INSTRUCTION_METHOD
  • INSTRUCTION_METHOD_DESC
  • INTEGRATION_PARTNER
  • INTEGRATION_PARTNER_DESC
  • INTEGRATION_PARTNER_SYSTEM
  • INTEGRATION_PARTNER_SYS_DESC

• Reporting Tools Business Concepts that include these GOVERNMENT_COURSE new columns:
  • Government Reporting

• Reporting Tools Business Concepts that include these SCHEDULE_OFFERING new columns:
  • Course Catalog
  • Schedule Offering
  • Faculty Assignment

• Reporting Tools Business Concepts that include these STUDENT_COURSE new columns:
  • Active Registration
  • Advisor Student List
  • Student Detail

**Added New Student Transferred Course reporting view**

**Resolves RPE 1-92QZKT**

Need to add transfer student course data to be used by Institutional Research for accurate reporting.

**Solution**

Added SHRTRCR_TRANS_COURSE_NAME, SHRTRCR_TRANS_COURSE_NUMBERS, SHRTRCR_TCRSE_TITLE from SHRTRCR to the AS_STUDENT_TRANSFERRED_COURSE composite view, MST_STUDENT_COURSE table, and subsequently to the STUDENT_COURSE view.
New objects

The following objects were added.

• Composite view AS_STUDENT_TRANSFERRED_COURSE
• Composite table MST_STUDENT_TRANSFERRED_COURSE
• Reporting view STUDENT_TRANSFERRED_COURSE

Modified objects

The following objects were modified.

• Reporting Tools Business Concepts that include the new STUDENT_TRANSFERRED_COURSE reporting view:
  • Admissions Application
  • Advisor Student List

### Added activity date to Admissions Source and Recruitment Source reporting views

**Resolves RPE 1-18CSGFB**

The activity date is missing from the Admissions Source and Recruitment Source reporting views

**Solution**

Added SRRRSRC_ACTIVITY_DATE and the STVSBGI_TYPE_IND for the source to the RECRUITMENT_SOURCE reporting view. Added SARRSCR_ACTIVITY_DATE and the STVSBGI_TYPE_IND for the source to the ADMISSIONS_SOURCE reporting view.

New objects

None

Modified objects

The following objects were modified.

• Reporting view ADMISSION_SOURCE added new columns:
  • ADMISSIONS_SOURCE_TYPE
  • ADMISSIONS_SOURCE_TYPE_DESCRIPTION
  • ADMS_SOURCE_ACTIVITY_DATE
• Reporting view RECRUITMENT_SOURCE added new columns:
• RECRUIT_SOURCE_TYPE
• RECRUIT_SOURCE_TYPE_DESCRIPTION
• RECRUIT_SOURCE_ACTIVITY_DATE

• Reporting Tools Business Concept included new columns on ADMISSION_SOURCE:
  • Admissions Application

• Reporting Tools Business Concept included new columns on RECRUITMENT_SOURCE:
  • Recruitment Information

### Added academic standing and combined academic standing data

**Resolves Defect 1-181MA0E**

The data for academic study, combined academic study and progress evaluation are brought into the ODS through the composite view AS_ACADEMIC_STANDING and composite table MTT_ACADEMIC_STANDING, however, not all columns are present on any reporting views.

**Solution**

Added all of the academic standing, combined academic standing and progress evaluation columns to the ACADEMIC_STUDY and ACADEMIC_STUDY_EXTENDED reporting views to permit reporting.

**New objects**

The following objects were added.

**Modified objects**

The following objects were modified.

• Functions modified to determine the beginning values:
  • sokodsf.F_START_ACAD_STAND_DATA
  • sokodsf.F_END_ACAD_STAND_DATA
  • mskfunc.F_ACADEMIC_STAND_DATA

• Reporting views ACADEMIC_STUDY and ACADEMIC_STUDY_EXTENDED added new columns:
  • ACADEMIC_STANDING
  • ACADEMIC_STANDING_DESC
• ACADEMIC_STANDING_ACAD_PERIOD
• ACAD_STANDING_ACAD_PERIOD_DESC
• ACADEMIC_STANDING_DATE
• ACADEMIC_STANDING_END
• ACAD_STANDING_END_DESC
• ACADEMIC_STANDING_END_DATE
• ACADEMIC_STAND_OVERRIDE
• ACADEMIC_STAND_OVERRIDE_DESC
• COMBINED_ACAD_STANDING
• COMBINED_ACAD_STANDING_DESC
• COMBINED_ACAD_STANDING_DATE
• COMBINED_ACAD_STAND_END
• COMBINED_ACAD_STAND_END_DESC
• COMBINED_ACAD_STAND_END_DATE
• COMB_ACAD_STAND_OVERRIDE
• COMB_ACAD_STAND_OVERRIDE_DESC
• PROGRESS_EVALUATION
• PROGRESS_EVALUATION_DESC
• PROGRESS_EVALUATION_DATE
• PROGRESS_EVALUATION_END
• PROGRESS_EVALUATION_END_DESC
• PROGRESS_EVALUATION_END_DATE
• PROGRESS_EVAL_OVERRIDE
• PROGRESS_EVAL_OVERRIDE_DESC

• Reporting Tools Business Concept included new columns on ACADEMIC_STUDY and ACADEMIC_STUDY_EXTENDED:
  • Active Registration
  • Advisor Student List
  • Financial Aid Award and Disbursement
  • Student Detail
Added cohort override fields from SFRSTCR (completed in Banner ODS 8.3)

Resolves RPE 1-D743VX (related to RPE 1-W2G4H)

Banner Student 8.0 added new functionality to support course, section, and registration restriction with current curricula. Several cohort overrides were added to SFRSTCR which need to be brought into the ODS.

Solution

This RPE was actually addressed in Banner ODS 8.3 under the related RPE 1-W2G4H. Several indicators and fields were added to the Student Course reporting view including the override fields from SFRSTCR. These new fields address the following business needs.

- Indicators related to registration and courses were added to make it easier for you to group courses and the students in those courses within your reports
- Indicators and fields (including the last date of attendance for grades) so that you can evaluate a student’s progress and success
- Several fields related to grade comments that let you include more grade comments in your reports

Added Course_Offering_Fees to Schedule Offering package

Resolves RPE: 1-188V0KZ

Course_Offering_Fees needs to be in the Schedule Offering package

Solution

Added Course_Offering_Fees to Schedule Offering business concept/package joined on Academic_Period and Course_Reference_Number to Schedule_Offering. The Course Catalog package was corrected to remove the join between Course_Offering_Fees and Course_Catalog. Finally, added join between Course_Offering_Fees joined on Academic_Period and Course_Reference_Number to Schedule_Offering as 1..1 to 1..1
Changed source for current and active curriculum indicators

Resolves RPE: 1-D743X5, Defect: 1-ZPF7D3

When concurrent curriculum was initially implemented in Banner the Current and Active indicators that identify whether a curriculum and or field of study is active and/or current were calculated in Banner. The Banner ODS used the same logic to calculate the values of these indicators.

Banner Student 8.1 added new Indicator columns to SORLCUR Learner Curricula and SORLFOS Field of Study tables. To keep the Banner ODS synchronized with Banner Student, the Current Indicator and Active Indicator columns in the Banner ODS tables MST_FIELD_OF_STUDY and MST_CURRICULUM were updated to source values from the Indicator columns SORLFOS_CURRENT_CDE and SORLCUR_CURRENT_CDE in Banner Student.

Travel and Expense

The following sections describe the new data coverage enhancements related to Travel and Expense information.

Added new delegation data

Resolves RPE 1-5KZ2IV

Incorporate changes from Travel and Expense 8.2 to track new delegation information and give users the ability to report on who actually entered the authorization and expense reports if the traveler didn't submit the reports themselves.

Solution

The new DELEGATE_ASSIGNMENT reporting view provides the ability to report who are my delegate(s) and if I am a delegate, who are the people I am responsible for. Users can also identify who submitted an authorization or expense report for the traveler and when that submission took place.

New objects

The following objects were added.

- Composite view AE_DELEGATE_ASSIGNMENT
- Composite table MET_DELEGATE_ASSIGNMENT
- Reporting view DELEGATE_ASSIGNMENT
Modified objects

The following objects were modified.

- Reporting view TRAVELER_AND_EXPENSE_PROFILE includes these new columns:
  - DELEGATE_IND
  - DELEGATE_TRAVELER_REVIEW_IND

- Reporting views AUTHORIZATION and REIMBURSEMENT include these new columns:
  - DELEGATE_UID
  - DELEGATE_ID
  - DELEGATE_NAME
  - REVIEW_SUBMIT_DATE

- Reporting Tools Business Concepts that include the new columns:
  - Authorization
  - Reimbursement
  - Invoice Payable
  - Purchasing Payable

- Reporting Tools Business Concepts that include the new DELEGATE_ASSIGNMENT reporting view:
  - Authorization
  - Reimbursement

Added new taxes and currency conversion data

Resolves RPE 1-BMAJEZ

Need to add support for the new Travel and Expense release 8.3 to support reporting on Currency and Taxes. T&E 8.3 includes updates to the reporting views that support FTRBAUTH, FTRBREMB, FTPREXPS, FTCRACTG and new table FTPRETAX. These changes were done to provide full support, especially for foreign clients, of Travel and Expense to report on the taxes used and currency conversion used in Travel. Need to add currency and tax fields to already existing expense or accounting views in the ODS with links to tax and currency code values.

Solution

This added data provides the ability to report on taxes used and currency conversion used in travel as well as wire transfers and the wired amount. Report the traveler’s affiliation, which can be used to quantify the traveler for reports or insurance purposes.
New objects

The following objects were added.

• Composite view AE_EXPENSE_ITEM_TAX
• Composite table MET_EXPENSE_ITEM_TAX
• Reporting views:
  • AUTHORIZATION_ITEM_TAX
  • REIMBURSEMENT_ITEM_TAX

Modified objects

The following objects were modified.

• Reporting view AUTHORIZATION includes these new columns:
  • AFFILIATION_KEY
  • TRAVELER_AFFILIATION
  • TRAVELER_AFFILIATION_DESC

• Reporting view REIMBURSEMENT includes these new columns:
  • AFFILIATION_KEY, TRAVELER_AFFILIATION, TRAVELER_AFFILIATION_DESC
  • CURRENCY_KEY, PAY_CURRENCY_EXCHANGE_RATE, WIRE_REIMBURSEMENT_IND, WIRE_DATE, WIRE_REFERENCE_NUMBER, WIRE_AMOUNT

• Reporting views AUTHORIZATION_ITEM and REIMBURSEMENT_ITEM include these new columns:
  • ACTUAL_TAX_AMOUNT, CALCULATED_AMOUNT_NO_TAX, CALCULATED_TAX_AMOUNT, PAY_CURRENCY_AMOUNT, PAY_CURRENCY_AMOUNT_NO_TAX, PAY_CURRENCY_TAX_AMOUNT
  • CURRENCY_KEY, PAY_CURRENCY_IND, PAY_EXCHANGE_RATE
  • TAX_LOCALE_KEY, TAX_LOCALE, TAX_LOCALE_DESC, TAX_GROUP, TAX_GROUP_DESC

• Reporting views AUTHORIZATION_ACCOUNTING and REIMBURSEMENT_ACCOUNTING include these new columns:
  • CALCULATED_AMOUNT_NO_TAX, PAY_CURRENCY_AMOUNT, PAY_CURRENCY_AMOUNT_NO_TAX, PAY_CURRENCY_TAX_AMOUNT

• Functions were modified to include checking for status of ‘Updated’ for bank transfers. This impacted amounts in reporting views PORTFOLIO, PORTFOLIO_SUMMARY, AUTHORIZATION, and REIMBURSEMENT.
  • MEKFUNC.F_TOTAL_REIMBURSE_NOT_PAID
  • MEKFUNC.F_TOTAL_SUBMITTED

• Reporting Tools Business Concepts that include the new columns:
- Authorization
- Reimbursement
- Invoice Payable
- Purchasing Payable

- Reporting Tools Business Concept that includes the new reporting view 
  AUTHORIZATION_ITEM_TAX:
  - Authorization

- Reporting Tools Business Concepts that include the new reporting views 
  REIMBURSEMENT_ITEM_TAX:
  - Authorization
  - Reimbursement

- Source changes to columns that were CAST as NULL:
  - CURRENCY and EXPENSE_CURRENCY now sourced from 
    FTTVCURR.CURRENCY_CODE
  - CURRENCY_DESC now source from GTVCURR_TITLE

### Added new advances data

**Resolves Defect 1-14DDGJD**

Travel and Expense release 8.4 created functionality for Advances. This included an expense type that can be used on expense reports to represent an advance cleared amount. This amount is stored as a negative amount and will cause misrepresentation of totals on the Authorization, Reimbursement, Portfolio and Portfolio Summary reporting views. Amount functions need to be changed to exclude or include the advance cleared amount to accurately represent amounts summarized.

**Solution**

Functions that summarized amounts in PORTFOLIO, PORTFOLIO_SUMMARY, AUTHORIZATION, and REIMBURSEMENT were corrected to exclude the expense item for advance cleared, where the expense_type_code = '9900ADVC'. An Expense_Advance_Cleared_Ind was added to REIMBURSEMENT_ITEM, REIMBURSEMENT_ACCOUNTING and PORTFOLIO_SUMMARY to easily determine which item represented the advance cleared amount.

**New objects**

The following functions were added:

- MEKFUNC.F_TOTAL_NOT_SUBMITTED_PS
- MEKFUNC.F_TOTAL_SUBMITTED_PS
• MEKFUNC.F_TOTAL_REIMBURSE_NOT_PAID_PS
• MEKFUNC.F_TOTAL_REIMBURSE_PAID_PS

**Modified objects**

The following objects were modified.

• Reporting views PORTFOLIO_SUMMARY, REIMBURSEMENT_ITEM, REIMBURSEMENT_ACCOUNTING include this new column:
  • EXPENSE_ADVANCE_CLEARED_IND

• Reporting views REIMBURSEMENT include these new columns:
  • ADVANCE_CLEARED
  • PAY_AMOUNT_NOT_SUBMITTED
  • PAY_AMOUNT_SUBMITTED

• Reporting view AUTHORIZATION includes this new column:
  • OUTSTANDING_ADVANCE_AMOUNT
  • ADVANCE_STATUS
  • ADVANCE_STATUS_DESC

• Functions modified to consider the exclusion of expense type code '9900ADVC' are:
  • MEKFUNC.F_TOTAL_REIMBURSE_NOT_PAID
  • MEKFUNC.F_TOTAL_REIMBURSE_PAID
  • MEKFUNC.F_TOTAL_NOT_SUBMITTED
  • MEKFUNC.F_TOTAL_SUBMITTED
  • MEKFUNC.LIFE_TOTAL_REIMBURSE_PAID

• These functions are used in reporting views to exclude expense type '9900ADVC':
  • REIMBURSEMENT
  • AUTHORIZATION
  • PORTFOLIO
  • TRAVELER_AND_EXPENSE_PROFILE

• Reporting Tools Business Concepts that include the new column for REIMBURSEMENT_ITEM:
  • Authorization
  • Reimbursement
  • Invoice Payable
  • Purchasing Payable
• Reporting Tools Business Concepts that include the new columns for PORTFOLIO,
  PORTFOLIO_SUMMARY, REIMBURSEMENT_ACCOUNTING, and AUTHORIZATION:
    • Authorization
    • Reimbursement
Reconciliation Enhancements

There are two areas of the ODS where data gets reconciled - the Staging Reconcile and the ODS Reconcile. Both Reconcile processes have been enhanced with this release of ODS. This section gives a high level description of the enhancements.

Refer to the “Reconciliation” chapter of the Banner ODS Handbook for more information about the Reconcile processes.

Staging Reconcile process

Resolves RPE: 1-199RJNX and 1-18SX3DF

The Staging Reconcile compares data in the Banner source database tables the related ODS staging tables to verify that they match. You have the option to use either the Oracle Streams or Materialized Views framework when replicating data from the source Banner database to the target ODS database.

Refer to the documents, BPRA Oracle Streams Operations Supplement or BPRA Materialized Views Operations Supplement, for more information about the staging process for the framework you implement at your institution.

Oracle Streams and Mviews frameworks

This ODS release enhances the Staging Reconcile process as follow:

• Automatically creates a job (Load Job for Recently Restaged Tables) that you can use to run the related ETL mappings that should be reloaded after restaging part of the ODS database. After restaging, this job is available in the Administrative UI from the Options>Schedule a Process>Schedule Banner ODS Mappings menu path.

Streams framework only

In addition to the new job listed above, this release of ODS further enhances the Streams framework as follows:

• Provides the ability to compare row counts or actual data values in a Streams environment. (Previously, this existed in a delivered utility script that had to be run in SQL*Plus.)

• Adds Execute All Apply Errors parameter, which executes all Streams apply errors in the apply queue after completing a restage.
• Includes in the Stage Area Status Report job information about root cause error and associated table for error transaction in the Streams error queue.

Many of the changes add processing capabilities to the Staging Reconcile that have been available for ODS 8.2.1, 8.3, and 8.4 as part of FAQ 1-QG6S6A: New BPRA Staging (reload / restage) Utility for Stage Table Synchronization (for streams environments). The following table identifies some functionality of the Staging Reconcile process and when it became available for the Streams versus MViews environments.

Note: After installing or upgrading to ODS 8.4.1, you do not need to implement FAQ 1-QG6S6A any longer because the functionality provided by the FAQ is now available as baseline in ODS 8.4.1.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>ODS 8.2.1 - 8.4 Streams + FAQ 1-QG6S6A</th>
<th>ODS 8.4.1 Streams</th>
<th>ODS 8.4 Mviews</th>
<th>ODS 8.4.1 Mviews</th>
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</thead>
<tbody>
<tr>
<td>Restage Any Schemas/Tables</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Compile Invalid Objects</td>
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<td></td>
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<tr>
<td><strong>Mviews Only</strong></td>
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<tr>
<td>Compare Table Structures for Schemas/Tables</td>
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</tr>
<tr>
<td>Restage Out-of-Sync Table Structures for Schemas/Tables</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Refresh All Mviews after Restage</td>
<td></td>
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</tr>
<tr>
<td><strong>Streams Only</strong></td>
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<tr>
<td>Reload Any Schemas/Tables</td>
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<td>Stage Area Status - basic Streams Apply Error info</td>
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<tr>
<td>Stage Area Status - detailed Streams Apply Error info</td>
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<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>
### ODS Reconcile process

The following changes were made to the ODS Reconcile process to account for the most current data changes when performing the reconcile and improve the runtime of the job.

#### Added change table processing logic to ODS Reconcile

Resolves RPE 1-12WN2Z3

The ODS Reconcile compares the data in the ODS staging tables to the related ODS composite tables to verify that they match. The ODS Reconcile process now includes processing that takes change table data into account when comparing data to ensure that it is comparing the most current version of data. This removes the risk that the compare will find discrepancies between table data because change records exist that haven’t yet been applied to the ODS stage tables.

#### Added WHERE clause capability to ODS Reconcile

Resolves RPE 1-12WN2Z5

Prior to ODS 8.4.1, the ODS Reconcile process reconciled all ODS composite table data with the associated composite view data. Reconciling all data for a large table can be a time consuming process. If you’re dealing with a table that stores large amounts of data that you know hasn’t changed in several years, you don’t need to reconcile this data every time you run the ODS Reconcile process.

ODS 8.4.1 introduces a Reconciliation Parameter that gives you the ability to add a WHERE clause to the ODS Reconcile process when you run the job for a single table. You enter a valid WHERE clause in the Reconciliation Parameter field that will get appended to the process. Using this field you can filter the data that gets reconciled for a given table and remove unnecessary reconciliation actions.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>ODS 8.2.1 - 8.4 Streams + FAQ 1-QG6S6A</th>
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<th>ODS 8.4.1 Mviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>Execute All Apply Errors after Reload/Restage</td>
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</tbody>
</table>
Performance Enhancements

Some of the RPEs addressed with this release improve performance of the jobs that load the ODS. The performance improvements include:

- "Added Fiscal Period parameter to Transaction History partition load job"
- "Moved hierarchy from ODS to reporting views"

Added Fiscal Period parameter to Transaction History partition load job

Resolves RPE 1-165KIPL

Improve the loads of Finance MFT_TRANS_HISTORY by allowing the LOAD to include a fiscal period with the fiscal year.

Solution

Added Fiscal Period as an additional parameter when choosing to load the Finance Transaction History table.

You now have the option to partition the MFT_TRANS_HISTORY table to load data in Fiscal Period “chunks”. Further segmenting the partitions by Fiscal Period can improve the performance time of these load jobs by letting you load smaller chunks of data for selected Fiscal Periods (typically one month of data) instead of the entire Fiscal Year. When you run reports against the data in the MFT_TRANS_HISTORY table, it will go against smaller chunks of data, which can also dramatically improve report processing time.

For example, suppose that one Fiscal Year includes twelve months each defined as a Fiscal Period, and that each month has 500,000 rows of data. If you load data only by year, the load job is dealing with six million rows in one job or “chunk” of data for a year. When you select to also load the data by Fiscal Period (typically one month), you can run the job twelve times, once for each Fiscal Period (or month). Each of the twelve jobs loads smaller, more manageable data chunks of 500,000 rows. Your reports can then access the data in smaller, 500,000 row chunks as well.

New objects

None
Modified objects

The following objects were modified.

• Add FISCAL_PERIOD_HEADER to the following tables:
  • MFT_TRANS_HISTORY
  • MFT_TRANS_HISTORY_TEMP1 (partition table)
  • MFT_TRANS_HISTORY_TEMP2 (partition table)
  • MFT_TRANS_HISTORY_TEMP3 (partition table)
  • MFT_TRANS_HISTORY_TEMP4 (partition table)
  • MFT_TRANS_HISTORY_TEMP5 (partition table)

• Reporting view TRANSACTION_HISTORY includes the new column:
  • FISCAL_PERIOD_HEADER

• Exchange partition procedure ODSMGR.ADD_EXCHANGE_PARTITION was modified as follows:
  • Accept a fiscal period value to create fourteen new sub partitions for a new fiscal year. This uses the COMPOSITE LIST-LIST partitioning.
  • Exchange Partition performed either at the Partition level or Sub partition level based on the parameter passed.

• Administrative UI modifications:
  • Added new Fiscal_Period parameter

Moved hierarchy from ODS to reporting views

Resolves RPE 1-12Y9C6K

Hierarchy information was taken out of OWB and built directly into the ODS reporting views. The hierarchy fiscal tables are no longer used in the ETL for every composite view instead they are joined back into the creation of equivalent reporting view. This improves LOAD and REFRESH performance.

Solution

FOAPAL hierarchy data was moved from the ODS ETL to reporting views.

New objects

The following object was added.

• New table function MFKFUNC.F_GET_HIERARCHY_FISCAL_DATA
This function retrieves and populates all the hierarchy fiscal columns required for reporting views that need original hierarchy information.

**Modified Objects**

The following objects were modified.

- Composite table MFT_TRAN_HISTORY was modified to remove several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables. These columns were predicated with ACTUAL.

- The following composite tables were modified to remove several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables.
  - MFT_BUDG_AVAIL_LEDG
  - MFT_GENERAL_LEDGER
  - MFT_GRANT_LEDGER
  - MFT_GRANT_LEDGER_MAX
  - MFT_OPERATING_LEDGER

- The following temporary composite tables used for partition mappings had several columns removed that were being populated by the ETL for the hierarchy fiscal tables. These columns were predicated with ACTUAL.
  - MFT_TRANS_HISTORY_TEMP1
  - MFT_TRANS_HISTORY_TEMP2
  - MFT_TRANS_HISTORY_TEMP3
  - MFT_TRANS_HISTORY_TEMP4
  - MFT_TRANS_HISTORY_TEMP5

- The following Composite Views were modified to remove several hierarchy columns that were being populated by the ETL for the hierarchy fiscal tables.
  - MFVGNL1 o MFVGRL1
  - MFVGRL2

- Reporting views modified to populate the hierarchy fiscal data in TRANSACTION_HISTORY view from the new table function MFKFUNC.F_GET_HIERARCHY_FISCAL_DATA
  - BUDGET_AVAILABILITY_LEDGER
  - GENERAL_LEDGER
  - GRANT_LEDGER
  - OPERATION_LEDGER
  - TRANSACTION_HISTORY

- Modified OWB Mappings - removed hierarchy fiscal columns which were part of all the loads for the following:
• MFT_BUDG_AVAIL_LEDG
• MFT_GENERAL_LEDGER
• MFT_GRANT_LEDGER
• MFT_GRANT_LEDGER_MAX
• MFT_OPERATING_LEDGER
• MFT_TRANS_HISTORY
• MFT_TRANS_HISTORY_TEMP1
• MFT_TRANS_HISTORY_TEMP2
• MFT_TRANS_HISTORY_TEMP3
• MFT_TRANS_HISTORY_TEMP4
• MFT_TRANS_HISTORY_TEMP5
Administrative User Interface Enhancements

Some items within the Administrative User Interface (UI) were updated to enhance your use of this tool. The following sections outline new and updated functionality within the Administrative UI. These enhancements are briefly described here. Refer to the Administrative User Interface chapter of the Banner ODS Handbook for more details.

Export Control Reports information

You now have the ability to export Control Report information in HTML or CSV format. This will be helpful when you are trying to troubleshoot and issue and need to share the contents of a Control Report with another user.

You can select one or more reports on the Select a Control Report page, specify whether the “Export format” should be HTML, CSV, or CSV Summary, then click the Export Marked Reports button. The report(s) will be saved in a zip file in the Oracle CSV_DIR directory, which must exist on your system and be accessible for writing.

Reconciliation and Staging changes

The Reconciliation enhancement is described in the “Reconciliation Enhancements” section earlier in this guide. However, it is important to note here that the following items were added to the Administrative UI to support the reconciliation changes.

• Load Job for Recently Restaged Tables

   This job gets created as part of the Staging Reconcile process. You can use the job to run the related ETL mappings that should be reloaded after restaging part of the ODS database. The job is available in the Administrative UI from the Options>Schedule a Process>Schedule Banner ODS Mappings menu path.

• Execute All Apply Errors parameter

   This parameter added when you run the Staging Reconcile process in a Streams environment. When this parameter is checked, the Staging Reconcile will execute all Streams apply errors in the apply queue after completing a restage.

• Reconciliation Parameter

   This parameter gives you the ability to add a WHERE clause to the ODS Reconcile process when you run the job for a single table. Using this field you can filter the data that gets reconciled for a given table and remove unnecessary reconciliation actions.
This section describes major enhancements to the documentation for this release of Banner ODS.

**New “Set Up Banner ODS” chapter in ODS Handbook**

A new chapter titled “Set Up Banner ODS” was added to the *Banner ODS Handbook*. This chapter describes information and tasks that you need to perform before you load the ODS and start working with the ODS database. The tasks are data-related tasks that define or control aspects of how data will be extracted from the source database and loaded into the ODS. The tasks include items like:

- Defining your institution’s preferred address type to be stored when data is moved from the source to the ODS database.
- Defining fiscal years and loading Finance transaction history data.
- Defining the ODS Extract Parameters that is used when loading data into the ODS.
- Setting up Oracle Partition Exchange
- Setting up Student Attributes data display rules

*Note:* More information about data display rules will be added to this chapter in future publications of the Handbook. Meanwhile, use the information in the displayRulesXREF.csv file, included with the release, which includes a list of the delivered display rules.

Read the “Set Up Banner ODS” chapter of the *Banner ODS Handbook* to determine what tasks your institution needs to implement.

**New “Reconciliation” chapter in ODS Handbook**

A new chapter titled “Reconciliation” was added to the *Banner ODS Handbook*. The chapter includes detailed descriptions of the two reconciliation areas - Staging Reconcile and ODS Reconcile. It addresses topics related to comparing and reconciling data between the source Banner and target ODS databases to verify that the data match. Data validation is a key aspect of maintaining the data in the ODS database. It ensures that the information in your ODS database consistently matches the information in your source database to guarantee accurate reports.
Read the “Reconciliation” chapter of the Banner ODS Handbook to learn more about reconciliation.

New Banner Financial Aid views data flow diagrams

A new section titled “Banner Financial Aid key views architecture” was added to the “Architecture” chapter of the Banner ODS Handbook. The section includes flow diagrams that show how some Banner Financial Aid reporting views are built from Banner to the Banner ODS. The diagrams show the flow for the following reporting views:

• Financial Aid Need Analysis
• Applicant

Refer to the “Banner Financial Aid key views architecture” section of the Banner ODS Handbook to review these diagrams.
New and Changed Objects

The following sections briefly describe the objects that were added or changed with this release of the Banner ODS.

Banner ODS changed objects

The ods80401_changed_objects.csv file includes a detailed list of the objects (views, tables, columns) that were added, changed, or removed with this release. To view the list, access the ods80401_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.

Reporting Tool changed objects

The following Reporting Tool objects were added or changed with this release to address requested enhancements and correct defects. The following sections outline the new and updated Cognos packages and Discoverer end user layers (EULs). These changes apply to both Cognos and Discoverer unless otherwise stated.

New packages

The following packages were added with this release:

• Account Index Audit
• Personnel Action Audit
• Operating Ledger Reconciliation

New package - Personnel Action Audit

Resolves RPE 1-36VZFB

A new package named Personnel Action Audit was added. This package adds information from the Banner Tables NOBTRAN and NORRTRAN to the ODS. The package gives users access to data from the Electronic Personnel Action Form (EPAF) process so that they can report on budget and determine the status of EPAF information.
The following new reporting views are included as part of the package:

- PERSONNEL_ACTION
- PERSONNEL_ACTION_GENERAL
- PERSONNEL_ACTION_EARNING
- PERSONNEL_ACTION_LABOR_DIST
- PERSONNEL_ACTION_COMMENT

**Updated ERDs**

**Resolves Defect 1-UCKPUW**

The following Entity Relationship Diagrams (ERDs) had the Academic_Study primary key changed to reflect a primary key of ACADEMIC_PERIOD, STUDENT_UID, and CURRICULUM_PRIORITY_NUM.

- Active Registration
- Advisor Student List
- Financial Aid Award and Disbursement
- Loan Disbursement
- Residential Life
- Student Detail

**Resolves Defect 1-SDZGW9**

ODS 8.3 metadata ERD for the Receivable Customer business concept was corrected.

**Updated diagrams that include Interest and Interest_Slot reporting views**

**Resolves Defect 1-YQ6U17**

Corrected the Visio BCDs that represent Cognos relationships as follows:

- Advancement Prospect changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID
- Constituent Entity changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID

Corrected the Erwin ERDs that are represented in the Metadata as follows:
Admissions Application changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID.

Advancement Propsect changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID. Relationship now between PERSON_DETAIL and INTEREST/INTEREST SLOT.

Constituent changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID. Relationship now between PERSON_DETAIL and INTEREST/INTEREST SLOT.

Person Supplemental changed key in INTEREST and INTEREST_SLOT from Entity_UID to Person_UID.

Recruitment Information changed key in INTEREST and INTEREST SLOT from Entity_UID to Person_UID.

### Updated Relationship BCD

**Resolves Defect 1-12IZZV1**

The Cognos RELATIONSHIP business concept diagram (BCD) was updated to reflect an alias of First and Related Party each for Constituent, Constituent_Entity, Organizational_Constituent, Organization_Entity_Address, Organization_Entity, Telephone_Current, Person_Address, and Person_Detail.

### Updated Operational Data Store data view

**Resolves Defect 1-CH5Q9V**

The Operational Data Store Data View was updated to include the TELEPHONE_CURRENT view.

### Active Registration

**Resolves Defect 1-U6DWK1**

This package/EUL were updated as follows:

- Added a join between Student_Course and Meeting_Time on Academic_Period and Course_Reference_Number (Inner join 1..1 to 1..1)

The Cognos package was also updated as follows:

- Removed the join between Instructional_Assignment and Meeting_Time.
Resolves Defect 1-II7W1
Added new STUDENT columns related to Veteran Verification.

Resolves RPE 1-SV14XT
Added new STUDENT_COURSE columns.

Resolves RPE 1-3CKFZG
Added Student_Course_Reg_Audit reporting view to Discoverer EUL.

Resolves RPE 1-1UXW3T
Added new ENROLLMENT columns to package/EUL.

Resolves RPE 1-4O7SCD
- Added new STUDENT_ATTRIBUTE_SLOT reporting view to package/EUL.
- Added existing STUDENT_ATTRIBUTE reporting view to package/EUL.

Admissions Application

Resolves Defect 1-G9EMLE
The following missing data items were added to the Admissions Application query subject:
- APPL_FEE_WAIVER_REASON and APPL_FEE_WAIVER_REASON_DESC
- APPLICATION_IND_TYPE6 through APPLICATION_IND_TYPE10
- APPLICATION_IND1 through APPLICATION_IND10
- APPLICATION_INFO_TYPE1 through APPLICATION_INFO_TYPE20
- APPLICATION_INFO1 through APPLICATION_INFO20

Resolves RPE 1-92QZKT
Added new STUDENT_TRANSFERRED_COURSE reporting view to package/EUL.

Resolves RPE 1-3CKFZG
Added Institution reporting view to Discoverer EUL.
Advancement Prospect

Resolves Defect 1-ORUU61
Added Interest Slot view and joined to Prospect Info via PERSON_UID (Cardinality 1..1 to 0..1).

Resolves Defect 1-17QZPWZ
Removed join between Constituent Entity and Constituent Contact.

Resolves RPE 1-11EH7ME
• Added new PROSPECT_PROPOSAL_RESULT reporting view.
• Added new PROSPECT_PROPOSAL_MASTER and PROSPECT_PROPOSAL_PROJECT columns.

Advancement Rating

Resolves Defect 1-MKJYCYZ
Telephone_Current reporting view was joined to Advancement_Rating via ENTITY_UID as an outer join (Cardinality: 1..1 to 0..1).

Advisor Student List

Resolves Defects 1-DY5KXL, 1-U3TUMM
The Field Of Study view was added, and joined as follows:
• Student.Person_UID = Field_of_Study.Person_UID
• Student.Academic_Period = Field_of_Study.Academic_Period
• (Cardinality: 1..1 to 1..1)

Resolves Defect 1-ORUU61
Added Academic Study Extended and joined to Student via PERSON_UID and ACADEMIC_PERIOD (Cardinality 1..1 to 1..1).

Resolves Defect 1-II7W1
Added new STUDENT columns related to Veteran Verification.
Resolves Defect 1-11924T5

- Added Telephone_Current to the business concept diagram for Advisor Student List.
- Corrected the key from Person_UID to Entity_UID for Telephone Current in the following business concept diagrams: Active Registration, Advancement Rating, Employee, Financial Aid Award and Disbursement, Human Resource Application, Position, Recruitment Information, and Student Detail.

Resolves Defect 1-179XD64

- Removed the Academic Period join from the relationship between Student and Academic Outcome.
- Deleted the relationship between Academic Outcome and Transcript Comment.
- New relationship is created between Student and Transcript Comment on Person_UID (Cardinality 1..1 to 0..1).

Resolves RPE 1-SV14XT

- Added new STUDENT_COURSE columns.
- Added new FACULTY_FEEDBACK and FACULTY_FEEDBACK_DETAIL reporting views to the package/EUL.

Resolves RPE 1-92QZKT

Added new STUDENT_TRANSFERRED_COURSE reporting view to package/EUL.

Resolves RPE 1-3CKFZG

Added Student_Cohort reporting view to Discoverer EUL.

Resolves RPE 1-1UXW3T

Added new ENROLLMENT columns to package/EUL.

Annual Giving

Resolves Defect 1-BZVGT9

The joins in the Annual Giving package and EUL were updated as follows:

- Annual Giving to Designation Giving History updated from join via ENTITY_UID to join via ENTITY_UID and FISCAL_YEAR.
- Annual Giving to Campaign Giving History updated from join via ENTITY_UID to join via ENTITY_UID and FISCAL_YEAR.
Resolves Defect 1-R79KNT

In Discoverer only, the join between Designation FinAid Fund and Designation Giving History was changed from “many to many” to “one to many”.

Resolves Defect 1-16D739W

Changed the join between Donor Category Slot and Annual Giving to be
ANNUAL_GIVING.ENTITY_UID = DONOR_CATEGORY SLOT.ENTITY_UID (Cardinality 1..1 to 0..1).

Banner Billing

Resolves Defect 1-MKJYCYZ

The Banner Billing package was removed from Cognos. This was accidentally left in Cognos two years ago.

Constituent

Resolves Defect 1-R6ZTMH

New functionality released in Banner Advancement 8.3.1 causes loss of ODS active exclusions functionality and changes cardinality.

• Added new ACTIVE_EXCLUSION filter to address this.

Constituent Entity

Resolves Defect 1-ORUU61

Added Interest and Interest Slot and joined to Constituent Entity via PERSON_UID (Cardinality 1..1 to 0..1).

Resolves Defect 1-R6ZTMH

New functionality released in Banner Advancement 8.3.1 causes loss of ODS active exclusions functionality and changes cardinality.

• Added new ACTIVE_EXCLUSION filter to address this.
Course Catalog

Resolves Defect 1-3MFA6J

Added COURSE_LEVEL_SLOT to the Course Catalog and Schedule Offering packages.

Resolves RPE: 1-188V0KZ

Changed join between Course_Offering_Fees and Course_Catalog to Course_Offering_Fees and Schedule_Offering joined on Academic_Period and Course_Reference_Number

Employee

Resolves Defect 1-12ZZ9LT

Updated the join between Employee and Supervisor. The updated join is Supervisor.SUPERVISOR_UID = Employee.SUPERVISOR_UID. (cardinality 0..1 to 1..1)

Resolves Defect 1-5G1SRJ

• Added new FAMILY_MEDICAL_LEAVE_HISTORY and FMLA_LEAVE_COMMENT reporting views.

Encumbrance

Resolves Defect 1-ORUU61

Added Vendor Text and joined to Vendor via VENDOR_UID (Cardinality 1..1 to 0..1).

Resolves Defect 1-8RX34V

The Activity Attributes view was added to this package.

• Encumbrance Accounting joined to Activity Attributes (Cardinality: 1..1 to 0..1) where Encumbrance Accounting.CHART_OF_ACCOUNTS = Activity Attributes.CHART_OF_ACCOUNTS and Encumbrance Accounting.ACTIVITY = Activity Attributes.ACTIVITY

Resolves Defect 1-XT5UT5

The extra relationship on LOCATION between Encumbrance Accounting and Location Hierarchy Fiscal query subjects was removed. The join on LOCATION was added as part of the original join. The two query subjects are joined on following query items:

• FISCAL_YEAR
• FISCAL_PERIOD
• CHART_OF_ACCOUNTS
• LOCATION

Resolves Defect 1-4POJE3
• Added new columns to VENDOR reporting view in Encumbrance package/EUL.

Enrollment Management

Resolves Defect 1-II7W1
Added new STUDENT columns related to Veteran Verification.

Faculty Assignment

Resolves RPE 1-SV14XT
Added new FACULTY_FEEBACK and FACULTY_FEEBACK_DETAIL reporting views to the package/EUL.

Financial Aid Application

Resolves Defect 1-MKJYCYZ
Aid Enrollment Period and its description were added to the Finaid_Tracking_Requirement reporting view in this package/EUL.

Resolves Defect 1-18P2ODD
Added TRACKING_REQUIREMENT_SLOT to the Financial Aid Application package joined to Finaid_Applicant_Status on Person_UID and Aid_Year (Cardinality 1..1 to 0..1).

Resolves RPE 1-13QR397
• Added new columns from APPLICANT_NEED, FINAID_BUDGET_COMPONENT, and FINAID_BUDGET_COMP_SLOT.
• Added new PERIOD_BUDGET_COMPONENT reporting view.
• Added the new filters of Period Budget and Aid Year Budget for FINAID_BUDGET_COMP_SLOT.
Financial Aid Award and Disbursement

Resolves Defect 1-G9EMKI

The Receivable Account Detail view was updated to include the following fields:

- COURSE_REFERENCE_NUMBER
- ACCOUNT_DETAIL_ACTIVITY_DATE
- STATEMENT_DATE

Resolves Defect 1-I7PBYV

The following joins were changed from inner joins to outer joins:

- Award By Person and Enrollment
- Award By Person and GPA By Term

Resolves Defect 1-II7W1

- Added new STUDENT columns related to Veteran Verification.
- Added new VERTERAN_CERTIFICATION reporting view.

Resolves RPE 1-4POJE3

Added new columns for RECEIVABLE_ACCOUNT_DETAIL.

Resolves RPE 1-D46F6M

Added new RECEIVABLE_ACCOUNT_DETAIL columns.

Resolves RPE 1-5YCRBW

Added GPA_BY_LEVEL to Financial Aid Award and disbursement joining to Award_By_Person via Person_UID.

Resolves Defect 1-17CCFL8

Added new FINAID_ENROLLMENT columns.

Resolves RPE 1-1UXW3T

Added new ENROLLMENT columns to package/EUL.
Fixed Asset

Resolves Defect 1-ORUU61

The following views were added to this package:

- Added Purchase Order Item Text and joined to Purchase Order Item via PURCHASE_ORDER and ITEM (Cardinality 1..1 to 0..1).
- Added Vendor Text and joined to Vendor via VENDOR_UID (Cardinality : 1..1 to 0..1).

Resolves Defect 1-4POJE3

- Added new columns to VENDOR reporting view in Fixed Asset package/EUL.

Resolves Defect 1-18FNBJ9

- Removed 'Not Work In Progress' filter from 'Fixed Asset Item Filters' folder in Cognos package.

Gift

Resolves Defect 1-8UIHOG

The joins in this package/EUL were modified as follows:

- Gift to Gift Multiple is joined via ENTITY_UID, GIFT_NUMBER, PLEDGE_NUMBER, CAMPAIGN and DESIGNATION
- Gift to Gift Memo is joined via ENTITY_UID, GIFT_NUMBER, PLEDGE_NUMBER, CAMPAIGN and DESIGNATION
- Gift to Pledge is joined via ENTITY_UID, PLEDGE_NUMBER, CAMPAIGN and DESIGNATION

Resolves Defect 1-ASU021

- Added new reporting view GIFT_MATCHING_DETAIL to the package/EUL.

Government Reporting

Resolves Defect 1-O2226F

Following query subjects and 'Alias Shortcut' query subjects on the Cognos Government Reporting package were renamed as follows:

- 'Person Address' renamed as 'Student Person Address'
• 'Person Detail' renamed as 'Student Person Detail'
• 'Telephone Current' renamed as 'Student Telephone Current'
• 'Shortcut to Person Address' referring to Government Financial Aid Query Subject renamed as 'Financial Aid Person Address'
• 'Shortcut to Person Detail' referring to Government Financial Aid Query Subject renamed as 'Financial Aid Person Detail'
• 'Shortcut to Telephone Active' referring to Government Financial Aid Query Subject renamed as 'Financial Aid Telephone Current'
• 'Shortcut(2) to Person Address' referring to Government Admissions Query Subject renamed as 'Admissions Person Address'
• 'Shortcut(2) to Person Detail' referring to Government Admissions Query Subject renamed as 'Admissions Person Detail'
• 'Shortcut(2) to Telephone Active' referring to Government Admissions Query Subject renamed as 'Admissions Telephone Current'

Grant and Project

Resolves Defect 1-D46F6I

Added the new GRANT_DEFERRED_COST reporting view.

Grant Ledger

Resolves Defect 1-8RX34V

The Activity Attributes view was added to this package.

• Grant Ledger joined to Activity Attributes (Cardinality: 1..1 to 0..1) where Grant Ledger.CHART_OF_ACCOUNTS = Activity Attributes.CHART_OF_ACCOUNTS and Grant Ledger.ACTIVITY = Activity Attributes.ACTIVITY.

Human Resource Application

Resolves Defect 1-ORUU61

Added Student Extended and joined to HR Application via PERSON_UID (Cardinality 1..1 to 0..1).
Resolves Defect 1-II7W1
Added new STUDENT columns related to Veteran Verification.

Resolves Defect 1-179XD64
- Removed the join between Transcript Comment and Combined Academic Outcome.
- Created a new relationship between HR Application and Transcript Comment on Person UID (Cardinality 1..1 to 0..1).

Invoice Payable

Resolves Defect 1-147BHYL
- INVOICE_ITEM_ACCOUNTING view added to Invoice Payable package and joined to INVOICE_ITEM on INVOICE and ITEM.
- An alias of Transaction History called Invoice Item Transaction was created and joined to Invoice Item Accounting on DOCUMENT, ITEM and SEQUENCE_NUMBER (cardinality 1..1 to 0..1).

Resolves Defect 1-4POJE3
- Added new VENDOR_TAXABLE_REPORTING reporting view to Invoice Payable package/EUL.
- Added new columns to VENDOR reporting view in Invoice Payable package/EUL.

Resolves Defect 1-11KL4TZ
Added new INVOICE_ACCOUNTING_TAX_RATE reporting view joined to INVOICE_ACCOUNTING.

Loan Disbursement

Resolves RPE 1-4POJE3
- Added new RECEIVABLE_ACCOUNT_DETAIL columns.

Resolves Defect 1-17CCFL8
- Added new FINAID_ENROLLMENT columns.
Operating Ledger

Resolves Defect 1-8RX34V

The Activity Attributes view was added to this package.

- Operating Ledger joined to Activity Attributes (Cardinality: 1..1 to 0..1) where Operating Ledger.CHART_OF_ACCOUNTS = Activity Attributes.CHART_OF_ACCOUNTS and Operating Ledger.ACTIVITY = Activity Attributes.ACTIVITY

Organization Entity

Resolves Defect 1-4POJE3

Added new columns to VENDOR reporting view in Organization Entity package/EUL.

Resolves RPE 1-4AW37H

Added new ALTERNATIVE_ID reporting view to package/EUL.

Organizational Constituent

Resolves Defect 1-52OAVJ

Added Organization>Contact Slot to the Cognos package and the BCD.

Resolves Defect 1-R6ZTMH

New functionality released in Banner Advancement 8.3.1 causes loss of ODS active exclusions functionality and changes cardinality.

- Added new ACTIVE_EXCLUSION filter to address this.

Payroll

Resolves Defect 1-BC1X4G

The 'SQL generation for level attributes' under Edit Governors was set to 'Group By' in the Framework Manager model.
Pledge

Resolves Defect 1-8UIHOG

The join in the Pledge package was modified as follows:

• Pledge to Gift joined via ENTITY_UID, PLEDGE_NUMBER, CAMPAIGN and DESIGNATION.

Person Demographic

Resolves Defect 1-AEJD7P

In the Discoverer EUL only, Person view is now joined to Person Detail on PERSON_UID (Cardinality 1..1 to 1..1).

Person Role

Resolves Defect 1-ORUU61

Added Student Extended and joined to Person Detail via PERSON_UID (Cardinality 1..1 to 0..1).

Resolves Defect 1-II7W1

Added new STUDENT columns related to Veteran Verification.

Resolves Defect 1-4POJE3

Added new columns to VENDOR reporting view in Person Role package/EUL.

Person Supplemental

Resolves Defect 1-A5BPD7

The Hold view was updated with ACTIVE_HOLD_IND on this package.

Resolves RPE 1-4AW37H

Added new ALTERNATIVE_ID reporting view to package/EUL.
Position

Resolves Defect 1-ORUU61
Query Subjects in this package were changed to sort in alphabetical order.

Resolves Defect 1-LW82O9
The Budget Roll and Premium Earnings Roll filters were removed from the Position Definition Filters folder in this package/EUL.

Resolves Defect 1-17QZPWZ
• Removed join between Position Budget and Position Labor Distribution.
• Created a shortcut to Position Labor Distribution renamed as Position Budget Labor Distribution.
• Position Budget Labor Distribution is joined to Position Budget on POSITION,BUDGET,BUDGET_PHASE and FISCAL_YEAR. (Inner join with Cardinality 1..1 to 1..1)

Resolves Defect 1-5G1SRJ
• Added new FAMILY_MEDICAL_LEAVE_HISTORY and FMLA_LEAVE_COMMENT reporting views.

Purchasing Payable

Resolves Defect 1-R0B0F9
• Removed the join between Purchase Order and Invoice
• New shortcut to Invoice renamed as ‘Purchase Order Invoice’ is joined to Purchase Order on PURCHASE_ORDER column (Cardinality 1..1 to 0..1)
• Invoice is now joined to Invoice Item on INVOICE column (Cardinality 1..1 to 1..1)

Resolves Defect 1-147BHYL
• INVOICE_ITEM_ACCOUNTING view added to Purchasing Payable package and joined to INVOICE_ITEM on INVOICE and ITEM.
• PURCHASE_ORDER_ITEM_ACCOUNTING view added to Purchasing Payable package and joined to PURCHASE_ORDER_ITEM on PURCHASE_ORDER and ITEM.
• An alias of Transaction History called Purchase Item Transaction was created and joined to Purchase Order Item Accounting on DOCUMENT, ITEM and
SEQUENCE_NUMBER and filter Purchase Item Transaction. DOCUMENT_TYPE = 2 (Cardinality 1..1 to 0..1).

Resolves Defect 1-4POJE3

- Added new VENDOR_TAXABLE_REPORTING reporting view to Purchasing Payable package/EUL.
- Added new columns to VENDOR reporting view in Purchasing Payable package/EUL.

Resolves Defect 1-11KL4TZ

Added new INVOICE_ACCOUNTING_TAX_RATE reporting view joined to INVOICE_ACCOUNTING.

Receivable Customer

Resolves Defect 1-A5BPD7

The Hold view was updated with ACTIVE_HOLD_IND on this package.

Resolves Defect 1-P14B8E

The Receivable Customer package filters were updated as follows:

- Contract Third Party Filters >> Active Contract: Updated the filter from
  
  \[
  \text{[Receivable Customer].[Contract Third Party].CONTRACT_EXP\_DATE} \geq \{\text{sysdate}\} \text{ to}
  
  \left(\text{[Receivable Customer].[Contract Third Party].CONTRACT_EXP\_DATE} \geq \{\text{sysdate}\} \text{ or}
  
  \text{[Receivable Customer].[Contract Third Party].CONTRACT_EXP\_DATE} \text{ IS NULL}\right)
  
- Exemption Filters >> Active Exemption: Updated the filter from
  
  \[
  \text{[Receivable Customer].[Exemption].EXP\_DATE} \geq \{\text{sysdate}\} \text{ to}
  
  \left(\text{[Receivable Customer].[Exemption].EXP\_DATE} \geq \{\text{sysdate}\} \text{ or}
  
  \text{[Receivable Customer].[Exemption].EXP\_DATE} \text{ IS NULL}\right)
  
Resolves RPE 1-4POJE3

- Added new STUDENT_TAX_NOTIFICATION reporting view to the Receivable Customer package/EUL.
- Added new columns for RECEIVABLE_ACCOUNT_DETAIL.

Resolves RPE 1-D46F6M

- Added new CONTRACT columns.
- Added new RECEIVABLE_ACCOUNT_DETAIL columns.
Receivable Revenue

Resolves Defect 1-A5BPD7
The Hold view was updated with ACTIVE_HOLD_IND on this package.

Resolves Defect 1-G9EMKI
The Receivable Account Detail view was updated to include the following fields
• COURSE_REFERENCE_NUMBER
• ACCOUNT_DETAIL_ACTIVITY_DATE
• STATEMENT_DATE

Resolves Defect 1-N2QIIO
The Receivable Revenue package/EUL were updated as follows:
• Award Disbursement query subject was joined to Receivable Account Detail on UID and TRANSACTION_NUMBER.

Resolves RPE 1-4POJE3
• Added new columns for RECEIVABLE_ACCOUNT_DETAIL.

Resolves RPE 1-D46F6M
• Added new CONTRACT_PAYMENT_DETAIL reporting view.
• Added new CONTRACT columns.
• Added new RECEIVABLE_ACCOUNT_DETAIL columns.
• Added new APPLICATION_OF_PAYMENT and APPL_OF_PAY_DETAIL_ACCOUNTING columns.

Recruitment Information

Resolves RPE 1-3CKFZG
Added Institution reporting view to Discoverer EUL.
Residential Life

Resolves Defect 1-ORU61

- Added Academic Study Extended and Student Extended and joined to Person Detail via PERSON_UID (Cardinality 1..1 to 0..1).
- Query Subjects in this package were changed to sort in alphabetical order.

Schedule Offering

Resolves Defect 1-MKJY6CZ

Query Subjects in this package/EUL were changed to sort in alphabetical order.

Resolves Defect 1-3MFA6J

Added COURSE_LEVEL_SLOT to the Course Catalog and Schedule Offering packages.

Resolves RPE: 1-188V0KZ

- Added Course_Offering_Fees to Schedule Offering package/EUL joined on Academic_Period and Course_Reference_Number to Schedule_Offering (Cardinality 1..1 to 0..1).

Solicitation Effort

Resolves Defect 1-XT5UT7

The semi-aggregate property for the Solicitor Organization data item was set to unsupported.

Student Detail

Resolves Defect 1-A5BPD7

The Hold view was updated with ACTIVE_HOLD_IND on this package.

Resolves Defects 1-DY5KXL, 1-U3TUMM

The Field Of Study view was added to this package and EUL, and joined as follows:

- Student.Person_UID = Field_of_Study.Person_UID and
• Student.Academic_Period = Field_of_Study.Academic_Period
• (Cardinality: 1..1 to 1..1)

Resolves Defect 1-NSO666J

Removed the Academic period join between Student and Academic Outcome in the Cognos package. The join now is only on Person UID.

Resolves Defect 1-II7W1

• Added new STUDENT columns related to Veteran Verification.
• Added new VERTERAN_CERTIFICATION reporting view.

Resolves Defect 1-NSO66J

Removed the Academic period join between Student and Academic Outcome. The join now is only on Person UID.

Resolves Defect 1-179XD64

• Removed the Academic Period join from the relationship between Student and Academic Outcome.
• Deleted the relationship between Academic Outcome and Transcript Comment.
• New relationship is created between Student and Transcript Comment on Person_UID (Cardinality 1..1 to 0..1).

Resolves Defect 1-17CCFL8

Added new FINAID_ENROLLMENT columns.

Resolves RPE 1-SV14XT

• Added new STUDENT_COURSE columns.
• Added new FACULTY_FEEBACK and FACULTY_FEEBACK_DETAIL reporting views to the package/EUL.

Resolves RPE 1-1UXW3T

Added new ENROLLMENT columns to package/EUL.

Resolves RPE 1-4O7SCD

Added new STUDENT_ATTRIBUTE_SLOT reporting view to package/EUL.
Transaction History

Resolves Defect 1-G9EMKI
The Receivable Account Detail view was updated to include the following fields

• COURSE_REFERENCE_NUMBER
• ACCOUNT_DETAIL_ACTIVITY_DATE
• STATEMENT_DATE

Resolves Defect 1-ORUU61
The following views were added to this package:

• Added Fixed Asset Adjustment Text and joined to Fixed Asset Adjustment via DOCUMENT (Cardinality 1..1 to 0..1).
• Added Vendor Text and joined to Vendor via VENDOR_UID (Cardinality 1..1 to 0..1).

Resolves RPE 1-4POJE3
Added new columns for RECEIVABLE_ACCOUNT_DETAIL.

Resolves Defect 1-4POJE3
Added new columns to VENDOR reporting view in Transaction History package/EUL.

Resolves RPE 1-D46F6M

• Added new RECEIVABLE_ACCOUNT_DETAIL columns.
• Added new APPLICATION_OF_PAYMENT and APPL_OF_PAY_DETAIL_ACCOUNTING columns.
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 (ods80401resolutions.txt) delivered with the release guide in the ods80401d.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.

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<td>Streams errors appear for commands to enable or disable constraints that are not replicated.</td>
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<td>Banner Financial Aid 8.13 introduced new hard coded descriptions for DL Promissory Notes</td>
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<td>MRT_FINAID_APPLICATION3</td>
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<td>Columns in mrt_finaid_application3 never got populated into reporting view</td>
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<td>FinAid 8.14.2 upgrade cause Unique constraint error on LOAD_MRT_FINAID_ENROLLMENT</td>
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<td>APPLICANT_NEED data for a student and year shows unexpected data.</td>
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<td>UPDATE_MRT_APPLICANT_NEED</td>
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<td>UPDATE_MRT_APPLICANT_NEED ORA-06502: PL/SQL: numeric or value error: number precision too large</td>
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<td>ODS metadata incorrect for GOVERNMENT_FINANCIAL_Aid and Government_FA_Fund.</td>
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<td>Discoverer</td>
<td>1-I7PBYV</td>
<td>Discoverer joins need reevaluation, especially for Financial Aid joins in the EUL</td>
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<td>Aid Enrollment Period missing from Finaid_Tracking_Requirement in Cognos pkg.</td>
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<td>1-W30ONZ</td>
<td>Join between Award by Person and Academic Study is incorrect and prevents return of data</td>
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<td>Financial Aid Award and Disbursement Business Concept</td>
<td>1-O5270I</td>
<td>Aggregation on disbursed_percentage should not occur in FM Model/Package</td>
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<td>AT_APBCONS_INERT_ODS_CHANGE</td>
<td>1-64ADYC</td>
<td>ODS8.1 - Change table SPRPCHG not updated on APBCONS changes</td>
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<td>All %ODST trigger packages; Alter INDEX_01 indexes on each change table;</td>
<td>1-P92WN7</td>
<td>Potential for duplicate records in Change tables</td>
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<td>ODS 8.x - CALENDAR_DATE_HIERARCHY is hard coded to only contain data between 1980 and 2049</td>
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<td>ODS 8.2.1 LOAD_MGT_CALENDAR_DATE Control Report always shows 0 records even when correctly loaded.</td>
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<td>INST_CHARACTERISTIC_SLOT Metadata</td>
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<td>Slot table INST_CHARACTERISTIC_SLOT metadata description issues</td>
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<td>ODS Metadata source column for HISPANIC_LATINO_ETHNICITY_IND not correct</td>
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<td>Person Demographic Business Concept Diagram</td>
<td>1-PGU7RX</td>
<td>ODS 8.2 &amp; 8.3 Person Sensitive Race link on Person Demographic BCD is incorrect.</td>
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<td>Performance issue with PERSON_INTERNAL view</td>
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<td>ODS 8.1 &amp; 8.2 – BENEFIT_DEDUCTION.REARS_BALANCE column is misnamed.</td>
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<td>Job end date in ODS doesn't coincide with base job end date from Banner - not fixed correctly</td>
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<td>Add second source for Position/Job Suffix on LEAVE_ACCRUAL</td>
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<td>ODS 8.2/8.3 Current Position filter in Employee and Position Cognos pkg returns terminated positions</td>
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<td>ODS-Position Package - Position Definition Filters - Budget Roll Ind and Premium Earnings Roll Ind</td>
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<td>Documentation defect in ODS 8.3 install guide - Step 10.3 to run add_global_rules.sql</td>
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<td>p1-bxvyd5_ods8020113 description</td>
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<td>Patch p1-bxvyd5_ods8020113 Can Require Banner Production Downtime To Apply</td>
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<td>Need two different ODSSTG password variable in the login.sql - ODSSTG_(SOURCE/TARGET)_PASSWORD.</td>
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<td>ODS 8.4 : Spool file generated by mgrsdax_data_ods.sql is empty</td>
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<td>sb_curriculum1.sql, mgbstrm_data_ods.sql</td>
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<td>ORA-14450 or ORA-26744, ORA-26775 related to table SATURN.SOTVCUR</td>
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<td>ODS 8.2 : Health check warning view column missing in MetaData after p1-w16ocu_ods8030034 applied</td>
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<td>mgkstrc.sql</td>
<td>1-NJ19S0</td>
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<td>Added tables constraints are not always replicated to the staging area when using Oracle Streams</td>
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<td>Reporting Tool</td>
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<td>All Cognos changes made for 8.2.1 need to be applied to Discoverer</td>
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<td>Missing Reporting views in Discoverer EUL and or Cognos FM Model/ Packages, updates to BCDs</td>
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<td>1-16FMJWV</td>
<td>Cognos relationships of 0..n or 1..n cause incorrect amounts to display in central reporting view</td>
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<td>ACTIVE_HOLD_IND needs to be added for HOLD under Personal Supplemental or Receivable_Revenue</td>
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<td>Position and Advancement Prospect Business Concepts</td>
<td>1-17QZPWZ</td>
<td>Joins in Pkg Position and Advancement Prospect will cause circular reference issues</td>
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<td>1-12J6DUF</td>
<td>Reporting tools to use TELEPHONE_CURRENT reporting view to populate Telephone Current.</td>
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<td>ACADEMIC_STUDY and ACADEMIC_STUDY_EXTENDED</td>
<td>1-181MA0E</td>
<td>ACADEMIC_STUDY views missing necessary columns for Academic Standing</td>
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<td>ADMISSIONS_APPLICATION - YEAR_TYPE_DEFINITION (STVTERM for Aid Year tied to Academic Period)</td>
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<td>ADMISSIONS_APPLICATION.PRIMARY_PROGRAM_IND</td>
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<td>ODS 8.2 PRIMARY_PROGRAM_IND on ADMISSIONS_APPLICATION not populated.</td>
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<td>ODS 8.2 MST_INSTRUCTIONAL_ASSIGNMENT weekly_contact_hours not populated.</td>
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<td>scbcrky_term_code_start and scbcrky_term_code_end needed in ODS course_catalog</td>
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<td>Course Catalog Business Concept-COURSE_TEXT_NARRATIVE CLOB Issue</td>
<td>1-C5JOMH</td>
<td>COURSE_TEXT_NARRATIVE patch for Defect 1-5O5I0J differs for Course Catalog and Schedule Offering</td>
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<td>Curriculum and FIELD_OF_STUDY View</td>
<td>1-ZPF7D3</td>
<td>FIELD_OF_STUDY View CURRICULUM_CURRENT_IND field not correct</td>
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<td>FUNCTION MSKFUNC.f_count_course_prereq</td>
<td>1-10ZUICY</td>
<td>FUNCTION F_COUNT_COURSE_PREREQ does not handle expired prereq correctly.</td>
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<td>FUNCTION MSKFUNC.f_count_honors</td>
<td>1-F62MUB</td>
<td>mstfunc.f_count_honors function in academic_outcome returning incorrect value</td>
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<td>FUNCTION SOKODSF.f_calc_registration_hours</td>
<td>1-B7IC6W</td>
<td>Calculation of AS_ENROLLMENT.TOTAL_CREDIT includes dropped classes.</td>
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<td>FUNCTION SOKODSF.f_get_course_dates</td>
<td>1-ZA5YAQ</td>
<td>Student course end date incorrect for dropped or withdrawn courses</td>
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<td>FUNCTION SOKODSF.f_hous_thi_s_term</td>
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<td>Housing Indicator needs review of functionality</td>
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<td>ODS GOVERNMENT_COURSE view does not populate COURSE_REPORTING_CODE_1 - _6</td>
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<td>LOAD_MST_ADMISSIONS_REQUIREMEN T</td>
<td>1-12Z6S5T</td>
<td>Requirement_Comment in MST_ADMISSIONS_REQUIREMENT not long enough for sarchkl_comment.</td>
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<td>MSKASRC function for loading the ADMISSIONS_SOURCE_CE_SLOT view</td>
<td>1-KJGQQQ</td>
<td>ODS 8.1 &amp; 8.2 LOAD_MST_ADMISSIONS_SOURCE_SLOT no records loading</td>
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<td>1-VFVMZ6</td>
<td>ODS 8.x MEDICAL_INFORMATION_SLOT not populated</td>
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<td>1-FS3IHC</td>
<td>MST_COURSE_CATALOG.TITLE_LONG_DESC not refresh</td>
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<td>ODS schedule_offering view is missing the category column</td>
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<td>1-BL17GK</td>
<td>ODS 8.2 unique index &quot;MST_COURSE_OFFERING_FEES_ETL&quot; has a missing column.</td>
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<td>1-AWJJL3</td>
<td>ODS8.x missing records in the slot table MST_INTEREST_SLOT when running in refresh mode.</td>
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<td>MSKPRED does not populate MST_PREVIOUS_EDUCATION_SLOT with records that have grad date</td>
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<td>GRADUATED_FOR_LEVEL_AS_OF_IND not in sync after refresh</td>
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<td>ODS 8.3 Spelling error in column name</td>
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<td>1-MJDIG8</td>
<td>Outcome_Number in mst_general_student was not added to STUDENT reporting view.</td>
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<td>STUDENT_COURSE</td>
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<td>Register_Census_Date1_ind not accurately set for all conditions in STUDENT_COURSE</td>
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<td>STUDENT_COURSE_ATTRIBUTE</td>
<td>1-Q5WRCQ</td>
<td>Student/CRN appears in the student_course_attribute, even though the student has no academic history</td>
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<td>sctcsr0.sql, sstsect0.sql, sstovrm.sql</td>
<td>1-XFU4Z7</td>
<td>Trigger calls to refresh composite table MST_STUDENT_COURSE are missing.</td>
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<td>shvhis0.sql, sfvcrs0.sql, shvtrm0.sql</td>
<td>1-RZ43LT</td>
<td>ODS 8.3 invalids due to Student module version 8.2</td>
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<td>Install/Upgrade</td>
<td>sokods1.sql</td>
<td>1-JMLIYN</td>
<td>ORA-01403 or ORA-6535 in DBA_APPLY_ERROR after 8.2.1 patch RPE1-D301FJ_ODS8020101 or upgrade to 8.3</td>
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<td>ADMISSIONS_APPLICATION</td>
<td>1-Q2RL3V</td>
<td>ODS 8.2 APPLICANT_DECLINED_IND column in ADMISSION_APPLICATION view not correct Meta Data and null</td>
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<td>Incorrect reference to Long Title in Meta Data for Course_Catalog</td>
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<td>GOVERNMENT_STUDENT</td>
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<td>ODS 8.2 – ODS Metadata for &quot;AGE&quot; is incorrect in Government_Student view.</td>
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<td>1-109Y1KJ</td>
<td>Where in the ODS is the student's GPA at the start of the term?</td>
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<td>ODS Meta Data</td>
<td>1-CCMWJ6</td>
<td>ODS 8.1 &amp; 8.2 Meta Data for tenure in Faculty view needs additional information.</td>
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<td>ODS Student Functionality</td>
<td>Performance</td>
<td>LOAD_MST_GENER gestures, UPDATE_MST_GENER gestures</td>
<td>1-VZYJBR</td>
<td>Poor performance on ODS8.3 with mapping LOAD or UPDATE_MST_GENER gestures</td>
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<td>Reporting Tool</td>
<td>Active Registration Business Concept</td>
<td>1-U6DWK1</td>
<td>Cognos Active Registration model diagram in Handbook does not match delivered model</td>
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<td>ODS Student Functionality</td>
<td>Reporting Tool</td>
<td>Government Reporting Business Concept</td>
<td>1-12TXE31</td>
<td>Add Address Rule Filter to Cognos packages with Government Academic Outcome to limit per PERSON_UID</td>
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<td>1-O2226F</td>
<td>ODS 8.2.1 Cognos package Government Reporting “Shortcut to” names need clarification.</td>
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<td>1-O5270G</td>
<td>Incorrect join between Government Financial Aid and Government FA Fund In Government Reporting pkg</td>
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<td>Government Student Business Concept - Discoverer</td>
<td>1-N2QIBH</td>
<td>Government Student missing from Discoverer EUL for Government Reporting</td>
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<td>Master Cognos patch for the defects 1-NSO66J and 1-UC94Z0.</td>
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<td>ODS 8.2.1 Cognos Models incomplete with new Admissions Application fields.</td>
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<td>Schedule Offering Business Concept</td>
<td>1-W2JVEN</td>
<td>Cognos Framework Manager column COURSE TEXT NARRATIVE is not following the naming common trend.</td>
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<td>Student Detail Business Concept</td>
<td>1-NSO66J</td>
<td>ODS Student Detail Cognos package has incorrect join on Student &lt; -- &gt; academic outcome.</td>
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<td>Student Detail and Advisor Student List Business Concept</td>
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<td>ODS 8.1 &amp; 8.2 – FIELD_OF_STUDY view is not in the Cognos Model.</td>
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<td>Student Detail and Advisor Student List Business Concept</td>
<td>1-DY5KXL</td>
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<td>Student Detail and Advisor Student List Business Concepts</td>
<td>1-179XD64</td>
<td>ODS Student Detail &amp; Advisor Student List Cognos packages have incorrect joins.</td>
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<td>1-T9SNJP</td>
<td>ODS 8.3 install, mapping LOAD_MST_SPORT execution generate ORA-00942</td>
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<td>1-14DDGJD</td>
<td>Travel &amp; Expense release 8.4 will cause amount discrepancies.</td>
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<td>REIMBURSEMENT_ITEM</td>
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<td>Losing expense items in REIMBURSEMENT_ITEM. Needs outer join.</td>
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<td>Reconcile</td>
<td>Administrative UI</td>
<td>1-RO62HO</td>
<td>There is no reconcile T&amp;E under schedule a process -&gt;ODS utilities -&gt; reconcile multiple tables.</td>
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