

# Banner Operational Data Store 8.4.1 Overview

Presented by: Brian Large, Ellucian  
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Introduction

- This presentation will provide an overview of the ODS 8.4.1 release. It contains information on Installation & Upgrade, Data Coverage Enhancements, & Administrative Interface Enhancements.

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Agenda Slide

- Objectives & Release Information
- Functional Area Enhancements
- Reconciliation Enhancements

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## Objectives & Release Information

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## Objectives and Timelines

- Objectives
  - Data Coverage Enhancements spanning all Product areas based on Client Survey feedback
  - Continued Support for either Mviews or Streams
  - Staging & Composite Table Reconciliation Enhancements
  - 97 Total RPEs included/closed
  - 239 Defects Resolved
- Timelines
  - Beta Client: Worchester Polytechnic Institute (Mviews): Mid October
    - Tested Upgrade
    - Tested ETL Performance
    - Tested Reconciliation Enhancements
  - General Release: December 14<sup>th</sup> 2012

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## Release Components & Requirements

- Install
  - Fresh install of ODS 8.4.1
  - Choice of using Oracle Streams or Materialized Views
  - Documentation
- Upgrade
  - Upgrade from ODS 8.4
  - Does not provide option to change replication strategy. Whatever was decided in ODS 8.4 will need to be used in the 8.4.1 upgrade. Alternative would be to do an 8.4.1 Install.
  - Documentation

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## Release Components & Requirements

- Software Requirements:
  - No changes from ODS 8.4
  - Minimum Database 11.2.0.2.5 (both source & target databases)
    - Latest PSUs for 11.2.0.2 supported
    - Oracle 11.2.0.3 certified for both source & target
    - Check out the BPRA Resource Guidelines for more information regarding support levels and combinations of Oracle releases
  - Oracle Discoverer (if applicable)
    - Minimum 11.1.1.3
  - IBM Cognos Software Requirements: (if applicable)
    - 10.1.0 or 10.1.1
    - 10.2 now supported

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## Release Components & Requirements

- Banner Software Requirements
  - Minimum versions of Banner needed if licensed
    - Advancement 8.5.1 with Banner patch p1-300ff\_alu8050101
    - Accounts Receivable 8.3
    - Finance 8.5
    - Financial Aid 8.14.2
    - General 8.5
    - Payroll 8.7.1
    - Position Control 8.7.1
    - Student 8.5.1
    - Travel & Expense: 8.4
  - Check out the BPRA Resource Guidelines or Interactive Compatibility Matrix for more information regarding latest support for current Banner releases

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## Release Components & Requirements

- FAQ 1-19DSY52
  - Any install or upgrade issues reported to Client Services subsequent to the posting of this release is documented in Banner ODS 8.4.1 Master FAQ 1-19DSY52.
  - It is recommended that you check this document prior to beginning the install or upgrade by querying under Solutions/FAQs.

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ODS Common Enhancements

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ODS Common Enhancements

- Alternative ID
- Telephone Current
- Address Type in Address By Rule

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ODS Common Enhancements

RPE 1-4AW37H: Add ALTERNATIVE\_ID Reporting View

<b>Summary Statement of Problem:</b>	Addding Alternative ID (GORADID) data in the ODS to take advantage of the additional Identification data captured in Banner through a tab on the Identification Form (SPAIDEN) is desirable. Alternative IDs are recorded in Banner when it is important to track those IDs for cross reference of the Banner ID with another internal or an external system. The alternative IDs make the cross reporting possible.
<b>Solution:</b>	Add repeating table data so the alternative IDs are available in a new reporting view to be 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: <b>New reporting view ALTERNATIVE_ID</b> is added to the Oracle Discoverer EUL directly.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"><li>• How many persons have alternative IDs?</li><li>• How many organizations have an alternative ID?</li><li>• How many of each types of alternative IDs are recorded for persons? For organizations?</li><li>• What data needs to be reported with a cross reference to an alternative IDs?</li></ul>

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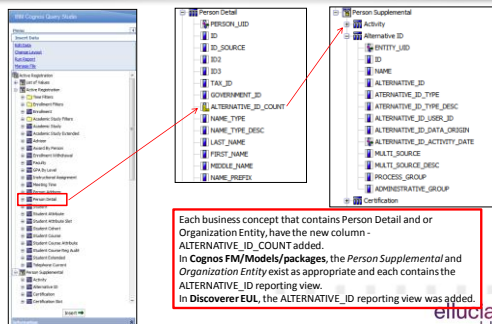
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## ODS Common Enhancements



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## ODS Common Enhancements

### RPE 1-10M3MB7: Add TELEPHONE\_CURRENT Reporting View

<b>Summary Statement of Problem:</b>	TELEPHONE_CURRENT needs to be created and stored in the ODS database so that it may be used in the Cognos reporting tool but be available to ODS client regardless of institution selected reporting tool. The logic to select current telephone numbers (non ended and not inactive) is similar to how current addresses are selected for the ADDRESS_CURRENT reporting view. Using the TELEPHONE_CURRENT reporting view will permit valid telephone numbers to be selected for a report.
<b>Solution:</b>	Adding the TELEPHONE_CURRENT reporting view to the Operational Data Store Data View and all other business concepts permits a single way to select the current telephone number when it is required, it will not have to be done multiple times and in many reporting tools.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"> <li>Ability to select the current telephone numbers for reporting in all reporting tools used with the ODS data warehouse.</li> <li>Include current telephone number data in reports developed using the ODS business concepts.</li> </ul>

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## ODS Common Enhancements

- RPEs adding data:
  - 1-5GUGDL, 1-12LOSL1, 1-BAMWTJ: Add Address Types for Address by Rule
    - Added the ADDRESS\_TYPE and ADDRESS\_TYPE\_DESC to the PERSON\_ADDRESS and ORGANIZATION\_ENTITY\_ADDRESS reporting views

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## ODS Accounts Receivable Enhancements

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## ODS A/R Enhancements

- Third Party Payment
- Finance & AR Tax Information
- Receivable Account
- Aid Year Designator

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## ODS A/R Enhancements

RPE 1-D46F6M , 1-17UCDKN: New third party contract payment detail

<b>Summary Statement of Problem:</b>	AR 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.
<b>Solution:</b>	New table (TBRCPDT Third Party Contract Payment Detail) added to support additional data gathered for third party contract payments received by the institution. Banner table TBRACCD was modified adding TBRACCD_CDPT_IND, indicating that the contract payment detail is used for application of a payment for this contract charge. TBRAPPL_CDPT_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: unrelated the old index on TBBESTU dropped and new PK index is using Exemption, Academic Period (Term) and Student Priority.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"><li>• Within the third party account, which contract payments were applied to which contract charges?</li><li>• Based on the payment transaction dates, how quickly were the student contract charges paid by the third party?</li><li>• Which third party contract charges remain unpaid?</li></ul>

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Resolve RPE 1-4POJ3: Add Finance AR Tax Information	
Summary Statement of Problem:	Unable to report on Finance Tax table fab1099 and Accounts Receivable tax table TTBTAXN.
Solution:	Provide new reporting view reporting on Finance 1099 tax data called <b>VENDOR TAXABLE REPORTING</b> . Provide new reporting view reporting on Accounts Receivable 1098-T tax data called <b>STUDENT TAX NOTIFICATION</b> .
Business Question/Goal:	<ul style="list-style-type: none"> <li>What data is being reported to the government for vendor taxable income?</li> <li>For each student, what is the amount being reported to the government as eligible billed charges for plans such as Prepaid Tuition?</li> <li>For each student, what is the amount being reported to the government for Scholarships or grants?</li> <li>Which students have been sent a notification?</li> <li>Which student records have been sent to the government?</li> </ul>

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The screenshot shows the 'Receivable Customer' business concept in the software. The left-hand navigation pane has 'Receivable Customer' expanded, and 'Student Tax Notification' is selected. The main window displays a list of fields for the 'FEDERAL\_REPORT\_STATUS\_DATA' entity. The fields are: VOID\_IND, CONNECTED\_IND, UNOFFICIAL\_IND, STUDENT\_CREATED\_IND, INCLUDES\_FUTURE\_IND, EMPLOYMENT\_IND, DO\_NOT\_SEND\_IND, TAX\_NOTIFICATION\_ACTIVITY\_DATE, TAX\_NOTIFICATION\_ISSUED\_IND, MAIL\_SOURCE, MAIL\_SOURCE\_DESC, PROCS\_GROUP, and ADMINISTRATIVE\_GROUP. The 'Student Tax Notification' field in the left pane is highlighted with a red box.

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## ODS A/R Enhancements

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## ODS A/R Enhancements

- RPEs adding data:
  - 1-3ABNQ3 & 1-LMHSG: Add entity category and indicators
    - Enhance receivable account reporting by adding institution defined entity category and other specific receivable account information
  - Defect 1-W16OCU, RPEs 1-BEQSIZ, 1-IOLMAB, 1-D46F6K, 1-2UE0RJ: Add Aid Year Designator
    - Enhance RECEIVABLE\_ACCOUNT\_DETAIL reporting by adding aid year, aid enrollment period, designator type and refund information

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## ODS Finance Enhancements

RPE 1-165KIPL: Add Fiscal Period Parameter for Partitioning Load of Transaction History

<b>Summary Statement of Problem:</b>	Improve the loads of Finance MFT_TRANS_HISTORY by allowing the LOAD to include a fiscal period with the fiscal year.
<b>Solution:</b>	<b>Fiscal Period is added</b> as an additional parameter when choosing to load the Finance Transaction History table.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>This is a performance improvement for those clients that need to initiate full loads of MFT_TRANS_HISTORY. This also enables clients to perform a full reload of questionable fiscal periods without having to perform an entire load of the fiscal year.</li></ul>

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## ODS Finance Enhancements

Schedule Banner ODS Mappings  
Load Transaction History by Fiscal Year First Partition Exchange

**Fiscal Year:** \*

**Fiscal Period:** \* (0/15)

Fiscal Year 2014 ▾

Select All | Deselect All

Fiscal Period 00 ▾  
Fiscal Period 01 ▾  
Fiscal Period 02 ▾  
Fiscal Period 03 ▾  
Fiscal Period 04 ▾  
Fiscal Period 05 ▾  
Fiscal Period 06 ▾  
Fiscal Period 07 ▾  
Fiscal Period 08 ▾  
Fiscal Period 09 ▾

**Rebuild Indexes?** \*

Do Not Rebuild Indexes ▾

Process Parameters

Process Info

**Note:** At any point of time only one of the partition jobs can be executed for a given Fiscal Year and for any Fiscal Periods. However, other Partition jobs can be executed concurrently for different Fiscal Years.

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## ODS Finance Enhancements

RPE 1-2UA1YT: Add Finance Control Accounts

<b>Summary Statement of Problem:</b>	Need to be able to link operating ledger to general ledger through the control accounts and list the detail from the operating ledger.
<b>Solution:</b>	Add control accounts for each operating ledger amount on the OPERATING_LEDGER. Create a <b>new Operating Ledger Reconciliation package</b> to link the operating ledger to the general ledger via each control account.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>What was the activity in my operating ledger that balances to the control account in the general ledger?</li><li>Which control accounts are impacted on my general encumbrance or labor encumbrance?</li><li>Can now list the detail in the operating ledger for each general ledger control account.</li></ul>

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# ODS Finance Enhancements

The screenshot displays the 'IBM Cognos FM Models/Packages and Oracle Discover EUL' interface. On the left, a tree view under 'Operating Ledger' shows 'List of Values', 'Operating Ledger', 'Time Filters', 'Operating Ledger Filters', and 'Account Attributes'. The 'Operating Ledger Filters' folder is expanded, showing a list of filters. A red arrow points from the 'Operating Ledger Filters' folder to a list of filters on the right. The list of filters includes: CTR\_OPERING\_BUDGET, CTR\_OPERING\_BUDGET\_DESC, CTR\_OPERING\_BUDGET\_SEQUENCE, CTR\_OPERING\_BUDGET\_SEQ\_DESC, CTR\_BUDGET\_ASSIGNMENT, CTR\_BUDGET\_ASSIGNMENT\_DESC, CTR\_BUDGET\_ASSIGNMENT\_SEQUENCE, CTR\_BUDGET\_ASSIGNMENT\_SEQ\_DESC, CTR\_ACTUAL\_ACTIVITY, CTR\_ACTUAL\_ACTIVITY\_DESC, CTR\_ACTUAL\_ACTIVITY\_SEQUENCE, CTR\_ACTUAL\_ACTIVITY\_SEQ\_DESC, CTR\_ENCUMBRANCE, CTR\_ENCUMBRANCE\_SEQUENCE, CTR\_ENCUMBRANCE\_SEQ\_DESC, CTR\_BUDGET\_RESERVE, CTR\_BUDGET\_RESERVE\_DESC, CTR\_BUDGET\_RESERVE\_SEQUENCE, CTR\_BUDGET\_RESERVE\_SEQ\_DESC, CTR\_TEMPORARY\_BUDGET, CTR\_TEMPORARY\_BUDGET\_DESC, and CTR\_TEMPORARY\_BUDGET\_SEQ\_DESC.

Operating Ledger

- List of Values
- Operating Ledger
- Time Filters
- Operating Ledger Filters
- Account Attributes

CTR\_OPERING\_BUDGET

CTR\_OPERING\_BUDGET\_DESC

CTR\_OPERING\_BUDGET\_SEQUENCE

CTR\_OPERING\_BUDGET\_SEQ\_DESC

CTR\_BUDGET\_ASSIGNMENT

CTR\_BUDGET\_ASSIGNMENT\_DESC

CTR\_BUDGET\_ASSIGNMENT\_SEQUENCE

CTR\_BUDGET\_ASSIGNMENT\_SEQ\_DESC

CTR\_ACTUAL\_ACTIVITY

CTR\_ACTUAL\_ACTIVITY\_DESC

CTR\_ACTUAL\_ACTIVITY\_SEQUENCE

CTR\_ACTUAL\_ACTIVITY\_SEQ\_DESC

CTR\_ENCUMBRANCE

CTR\_ENCUMBRANCE\_SEQUENCE

CTR\_ENCUMBRANCE\_SEQ\_DESC

CTR\_BUDGET\_RESERVE

CTR\_BUDGET\_RESERVE\_DESC

CTR\_BUDGET\_RESERVE\_SEQUENCE

CTR\_BUDGET\_RESERVE\_SEQ\_DESC

CTR\_TEMPORARY\_BUDGET

CTR\_TEMPORARY\_BUDGET\_DESC

CTR\_TEMPORARY\_BUDGET\_SEQ\_DESC

Add new columns to reporting view  
OPERATING\_LEDGER

Updated all IBM Cognos FM  
Models/Packages and Oracle Discover  
EUL

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# ODS Finance Enhancements

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graph TD
    GL[GENERAL LEDGER] -- "GL ACCOUNT =<br/>CTRL_ENCUMBRANCE" --> EL[Encumbrance Operating Ledger<br/>(OPERATING LEDGER)]
    GL -- "GL ACCOUNT =<br/>CTRL_ACTUAL_ACTIVITY" --> AL[Actual Operating Ledger<br/>(OPERATING LEDGER)]
    GL -- "GL ACCOUNT =<br/>CTRL_BUDGET_RESERVE" --> RL[Reserves Operating Ledger<br/>(OPERATING LEDGER)]
    GL -- "GL ACCOUNT =<br/>CTRL_ADJUSTED_BUDGET AND<br/>CTRL_BUDGET_ADJUST AND<br/>CTRL_TEMPORARY_BUDGET" --> BL[Budget Operating Ledger<br/>(OPERATING LEDGER)]

```

**GENERAL LEDGER**

Chart of Accounts  
Period Year  
Period Period  
Period Amount

**Encumbrance Operating Ledger (OPERATING LEDGER)**

Chart of Accounts  
Period Year  
Period Period  
Period Ctrl\_Encumbrance

**Actual Operating Ledger (OPERATING LEDGER)**

Chart of Accounts  
Period Year  
Period Period  
Period Ctrl\_Actual\_Activity

**Reserves Operating Ledger (OPERATING LEDGER)**

Chart of Accounts  
Period Year  
Period Period  
Period Ctrl\_Budget\_Reserve

**Budget Operating Ledger (OPERATING LEDGER)**

Chart of Accounts  
Period Year  
Period Period  
Period Ctrl\_Adjusted\_Budget  
Period Budget\_Adjust  
Period Ctrl\_Temporary\_Budget

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# ODS Finance Enhancements

RPE 1-D46F44: Add New Grant Billing Information

<b>Summary Statement of Problem:</b>	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.
<b>Solution:</b>	<b>Add new columns to the GRANT_VIEW</b> 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.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>• Can obtain the email address to contact the principal investigator of the grant for information or questions.</li><li>• Can obtain a list of all grants that have not yet met or have met the level of costs required by the federal agency for all matching and cost sharing provided by recipients and third-party providers.</li><li>• Can obtain a list of all grants that require effort certification.</li><li>• List the federal funding agency name associated with the Catalog of Federal Domestic Assistance for each grant.</li></ul>

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# ODS Finance Enhancements

The diagram illustrates the relationship between the Grant View Filters and the Grant View columns. On the left, a box labeled 'Grant View Filters' contains a tree structure with 'Grant and Project' expanded, showing 'Grant and Project' and 'Grant View Filters'. Below this, a red box highlights 'Grant View'. On the right, a box labeled 'Grant View' contains a list of columns: 'EFFORT\_CERTIFICATION\_REQ\_ID', 'PRIN\_INVESTIGATOR\_EMAIL\_ADDR', 'FEDERAL\_IDENTIFICATION\_STATUS', 'FEDERAL\_AGENCY\_NAME', 'TOTAL\_RECIPIENT\_SHARE\_AMOUNT', 'GRANT\_ACTIVITY\_DATE', and 'GRANT\_USER\_ID'. A red arrow points from the 'Grant View' box in the filters to the 'Grant View' box in the columns.

Add new columns to reporting view  
GRANT\_VIEW

Updated all IBM Cognos FM Models/Packages and Oracle Discover EUL

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# ODS Finance Enhancements

## RPE 1-D46F6I: Report Detail Behind Grant Deferred Cost

<b>Summary Statement of Problem:</b>	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.
<b>Solution:</b>	<b>Create new view GRANT_DEFERRED_COST</b> to provide the ability to report on the detail behind summarized posted transactions for deferred grant indirect costs, cost share and revenue.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>• What documents supplied the source for the indirect cost and cost share postings of the grant?</li><li>• What was the transaction date of the original source document to assist with reconciliation of the costs?</li><li>• What was the actual calculation for indirect cost, cost share, or revenue used to summarize the posting for grant deferred cost?</li><li>• Can now list the detail that supports the summary posting for grant indirect costs, cost share and revenue to aid in reconciliation of these costs.</li></ul>



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## ODS Finance Enhancements

- RPEs adding data:
  - **1-2GDPKF:** Populate Operating Ledger Last\_Year\_Actual
    - Populate LAST\_YEAR\_ACTUAL with the 14<sup>th</sup> period SUM\_YEAR\_TO\_DATE\_ACTIVITY from the prior fiscal year.
  - **1-2B7BZ5:** Encumbrance Additional Information
    - Add Multi\_Year\_Encumbrance\_Ind to reporting views GRANT\_FUND and ENCUMBRANCE\_ACCOUNTING
  - **CMS-RPE45556:** Encumbrance Additional Information
    - Calculated and added the LEDGER\_ENCUMBERED\_AMOUNT and LEDGER\_REMAINING\_BALANCE fields on ENCUMBRANCE\_ACCOUNTING and ENCUMBRANCE reporting views.
  - **1-D46F32:** Encumbrance Additional Information
    - Add new columns to ENCUMBRANCE and ENCUMBRANCE\_ACCOUNTING to support who created the encumbrance and where the encumbrance was sourced.
  - **1-3NE8OW, 1-4B3021, CMS-RPE47475, CMS-RPE45256, 1-H4DTIS:** Add Vendor Data
    - Added remaining vendor data into reporting view VENDOR
  - **1-2SDSAJ:** Add Bank Transaction Date
    - Add the Bank\_Transaction\_Date, Bank\_Reconciliation\_Ind, Bank\_Check\_Amount and Bank\_Transaction\_Desc to the INVOICE\_CHECK reporting view to aid in the reconciliation process for Finance checks

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## ODS Financial Aid Enhancements

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## ODS Financial Aid Enhancements

- Capture Pell lifetime eligibility
- Needs Analysis added columns
- Promissory note tracking requirements
- FA application date
- Disbursement change date
- Certification Resolutions

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## ODS Financial Aid Enhancements

RPE 1-D4ZREG, 1-12GCL6F, 1-D4ZR7H, 1-BIC2EX:  
Capture Pell Lifetime Eligibility data

<b>Summary Statement of Problem:</b>	<p>In Banner Financial Aid 8.7 modifications were made to direct loans (RPRLAP) and award disbursements (RPRADS8) to capture Pell Lifetime Eligibility Used and PLUS application credit data on direct loans. In Banner Financial Aid 8.1.2 updates support COD for Entrance Counseling tag data and captures data received on PLUS application.</p> <p>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. Additional field in AWARD_DISBURSEMENT which hold the calculated field value held in the source column (RPRADS8_SCHEDULE_AMT) to allow reconciliation of disbursement payments before they are made.</p>
<b>Solution:</b>	<p>Add 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). Add 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 8.1.2). Add ability to review scheduled amount for disbursement that has actually been disbursed or has yet to be disbursed.</p>
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"> <li>How much of the student's Pell Lifetime Eligibility has been used to date?</li> <li>Ability to report on PLUS loan application data and application credit data.</li> <li>What percent of a scheduled award was used in the aid year?</li> <li>What is the calculated scheduled amount for disbursement if the amount hasn't been disbursed yet?</li> </ul>

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## ODS Financial Aid Enhancements

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## ODS Financial Aid Enhancements

RPE 1-5W1M5L: Add Needs Analysis data (RCRAPPx)

<b>Summary Statement of Problem:</b>	New column added to the Financial Aid Application tables (RCRAPP1.3.4) over the last 5 years need to be added to the ODS so they may 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 RCRAPP1 table was used to determine the appropriate ODS MRT-xx table for the data. Meta data updates were made.
<b>Solution:</b>	Moved new columns of data and descriptions into the appropriate ODS reporting views to report new data gathered on financial aid applications to enhance Financial Aid reporting. Reveal columns already in the MRT_FINAID_APPLICATION tables to appropriate reporting views.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"> <li>• Ability to retrieve descriptive values for codes recorded on financial aid applications without needing to hard-code values in a particular column by replicating RORMVAL in the ODS.</li> <li>• Ability to report on the majority of data gathered via the federal or institutional application.</li> <li>• Ability to report financial aid application data in logical groups and make reporting easy.</li> </ul>

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## ODS Financial Aid Enhancements

RPE 1-5W1M5L: Add Needs Analysis data (RCRAPPx)

<b>Resolved:</b> Many RPEs and Defects to add columns to each of the Needs Analysis reporting views as required. Also phased in the use of a validation table to decode the values collected in the various Financial Aid Applications that feed the data into RCRAPPx and the ODS MRT_FINAID_APPLICATIONx and other Needs Analysis ODS composite tables	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
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## ODS Financial Aid Enhancements

- RPEs adding data:
  - **1-LMHSS:** Add Perkins Master Promissory Note
    - Add remaining columns from RRRAREQ to reporting view TRACKING\_REQUIREMENT in order to report on Perkins Master Promissory Note requirement information.
  - **1-2A1J3L, 1-D4ZRCZ, and 1-VM64Z:** Add FinAid Application date received Add
    - Enhanced reporting with the FINAID\_APPLICATION\_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. Add new indicators for Institutional and Federal applications.
  - **1-18GOMAP:** Add Disbursement change date indicator
    - Add DISBURSEMENT\_CHANGE\_DATE\_IND and ENROLLMENT\_INSTITUTION to the AWARD\_DISBURSEMENT reporting view.
  - **1-5YCRBW:** Add Level GPA to Business Concept
    - Add GPA\_BY\_LEVEL reporting view to Financial Aid Award & Disbursement business concept.

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## ODS Financial Aid Enhancements

- RPEs adding data:
  - **1-17CCFL8:** FINAID\_ENROLLMENT granularity change
    - 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.
  - **1-13QR397:** Add Budget for Aid Enrollment Period
    - 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. Create new reporting view PERIOD\_BUDGET\_COMPONENT.

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## ODS Human Resource Enhancements

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## ODS Human Resources Enhancements

- HR IPEDS data added
- New Personnel Action
- Family Medical Leave
- Labor Cost Distribution data added

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## ODS Human Resources Enhancements

RPE 1-15394DJ, 1-134SUQ9, 1-4ABBDH: Add HR IPEDS columns

<b>Summary Statement of Problem:</b>	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 HR column will be important for reporting so these columns need to be added to the ODS tables. Need some data from EMPLOYEE when reporting on positions
<b>Solution:</b>	Review the ODS tables and views for the specific HR data used in IPEDS reporting and add any missing data. Add Employee to Position business concept. Add budget type and budget type description to EMPLOYEE POSITION reporting view.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>• Provide all data columns specific to IPEDS reporting needs</li><li>• What was the employee's hire location?</li><li>• What was the employee's original hire date?</li></ul>

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# ODS Human Resources Enhancements

Position

- [-] List of Values
- [-] Person Supplemental
- [-] Position
- [-] Position Definition Filters
- [-] Position Definition
  - [-] Employee
  - [-] Employee Position Filters
  - [-] Employee Position
  - [-] Family Medical Leave History
  - [-] HR Leave Comment
  - [-] HR Requisition
  - [-] Labor Cost Dist Filters
  - [-] Labor Cost Distribution
  - [-] Organization Hierarchy
  - [-] Person Address Filters
  - [-] Person Address
  - [-] Person Detail
  - [-] Position Budget Filters
  - [-] Position Budget
  - [-] Position Budget Labor Distribution
  - [-] Position Labor Cost Dist Filters
  - [-] Person Labor Cost Dist
  - [-] Position Labor Dist Filters
  - [-] Position Labor Distribution
  - [-] Telephone Current Filters
  - [-] Telephone Current

Added new columns to reporting views – Position Definition

- [-] PRIMARY\_FUNCTION
- [-] PRIMARY\_FUNCTION\_DESC
- [-] FEDERAL\_MEDICAL\_DENTAL\_IND
- [-] FEDERAL\_SOFT\_MONEY\_IND
- [-] EMPLOYMENT\_CATEGORY
- [-] EMPLOYMENT\_CATEGORY\_DESC
- [-] STANDARD\_OCCUPATIONAL\_CATEGORY
- [-] STANDARD\_OCCUPATIONAL\_CAT\_DESC

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- PRIMARY\_FUNCTION
- PRIMARY\_FUNCTION\_DESC
- FEDERAL\_MEDICAL\_DENTAL\_IND
- FEDERAL\_SOFT\_MONEY\_IND
- EMPLOYMENT\_CATEGORY
- EMPLOYMENT\_CATEGORY\_DESC
- STANDARD\_OCCUPATIONAL\_CATEGORY
- STANDARD\_OCCUPATIONAL\_CAT\_DESC

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# ODS Human Resources Enhancements

Added new columns to reporting views - Employee and Employee Position

**Employee**

- ☐ List of Values
- ☐ Employee Filters
- ☒ **Employee**
  - ☐ Employment Status
  - ☐ Employment Unit
  - ☐ Secondary's Employer
  - ☐ Secondary's Unit
  - ☐ Benefit Deduction
  - ☐ Certification
  - ☐ Certification Status
  - ☐ Combined Academic Outcome Filters
  - ☐ Combined Academic Outcome
  - ☐ Employment C/I
  - ☐ Employment Earning C/I
  - ☐ Employment Earning C/I Filters
  - ☐ Employment Earning C/I
  - ☐ Employment Position Filters
  - ☒ **Employee Position**
    - ☐ Employment History
    - ☐ Employment History
    - ☐ Family Medical Leave History
    - ☐ FMLA Leave Comment
    - ☐ Institutional Assignment Filters
    - ☐ Institutional Assignment
    - ☐ Labor Cost Cost Filters
    - ☐ Labor Cost Distribution
    - ☐ Leave Balance
    - ☐ Leave Balance Start
    - ☐ Monthly Deduct Start
    - ☐ Monthly Deduction

**EMPLOYEE\_FUNCTION**

- ☐ PRIMARY\_FUNCTION
- ☐ MEDICAL\_MEDICAL\_HISTORY\_ID
- ☐ MEDICAL\_SOPH\_INDEX\_ID
- ☐ EMPLOYMENT\_CATEGORY
- ☐ EMPLOYMENT\_CATEGORY\_DESC
- ☐ STANDARD\_OCCUPATIONAL\_CATEGORY
- ☐ STANDARD\_OCCUPATIONAL\_CAT\_DESC

**Employee Position**

- ☐ New Institutional Assignment Filters
- ☐ New Institutional Assignment
- ☐ New Institutional Assignment Filters
- ☐ Organizational Hierarchy
- ☐ Position Employment Start
- ☐ Previous Address Filters
- ☐ Previous Address
- ☐ Previous Degree
- ☐ Previous Education Attendance
- ☐ Review
- ☐ Review Start
- ☐ Review End
- ☐ Supervisor
- ☐ Telephone Current
- ☐ Weekly Deduction

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- PRIMARY\_FUNCTION
- PRIMARY\_FUNCTION\_DESC
- FEDERAL\_MEDICAL\_DENTAL\_IND
- FEDERAL\_SOFT\_MONEY\_IND
- EMPLOYMENT\_CATEGORY
- EMPLOYMENT\_CATEGORY\_DESC
- STANDARD\_OCCUPATIONAL\_CATEGORY
- STANDARD\_OCCUPATIONAL\_CAT\_DESC

- 1 Non Instructional Assign-Filters
- 2 Non Instructional Assignment
- 3 Noninstruct Assign Slot
- 4 Organization Hierarchy Filters
- 5 Organization Hierarchy
- 6 Past Employment Slot
- 7 Person Address Filters
- 8 Person Address
- 9 Person Detail
- 10 Previous Degree
- 11 Previous Education Attendance
- 12 Review
- 13 Review Slot
- 14 Skill
- 15 Skill Slot
- 16 Supervisor
- 17 Tax

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Added new columns to reporting view – Faculty Appointment History

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## ODS Human Resources Enhancements

RPE 1-36VZFB: Add Personnel Action data for reporting

<b>Summary Statement of Problem:</b>	Would like data from the EAPF process so that we can report on budget and keep in touch of where everything is at. NOBTRAN and NORTAN table in Banner is needed.
<b>Solution:</b>	Client suggests we add the Banner Tables NOBTRAN and NORTAN to a view in ODS. Along with the base tables listed in the RPE, we are adding the Banner data from the NORTBLD, NORTERN and NORCMNT tables and creating a new business concept Personnel Action Audit. <b>Added new reporting view PERSONNEL_ACTION</b> and new business concept.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"> <li>What is the most recent EAPF transaction for each employee?</li> <li>How many EAPF transactions in the past month were to increase salary?</li> <li>What personnel actions are in the queue or pending?</li> <li>Which personnel actions have comments?</li> </ul>

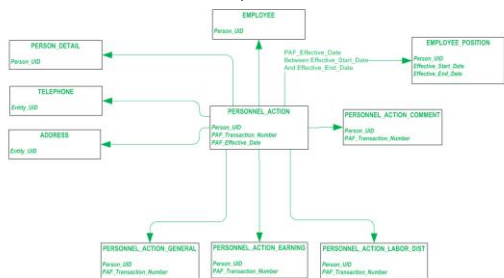
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## ODS Human Resources Enhancements

New Business Concept – Personnel Action Audit

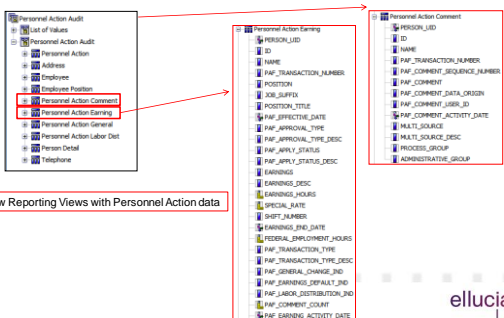


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## ODS Human Resources Enhancements



New Reporting Views with Personnel Action data

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## New Reporting Views with Personnel Action data

The diagram illustrates the relationships between three database tables: **Personnel Action**, **Personnel Action Audit**, and **Personnel Action Label**.

- Personnel Action** (Left Table):
  - Fields: PERSONAL\_ID, NAME, POSITION, EMPLOYEE\_NUMBER, EMPLOYEE\_JOB, EMPLOYEE\_TITLE, EMPLOYMENT\_STATUS, EMP\_JOINING\_DATE, EMP\_APPROVAL\_DATE, EMP\_TERMINAL\_DATE, EMP\_ORIGINAL\_NUMBER, EMP\_ORIG\_STATUS, EMP\_APRV\_STATUS\_DESC, EMP\_APRV\_FIDEL, EMP\_APRV\_NAME, EMP\_APRV\_COLUMN, EMP\_APRV\_VALUE, EMP\_TRANSACTION\_TYPE, EMP\_TRANSACTION\_DATE, EMP\_TRANSACTION\_DATE\_DESC, EMP\_TERMINAL\_TRANSACTION\_DATE, EMP\_TRANSACTION\_COUNT, EMP\_ACTIVITY\_DATE, NATL\_SOURCE, NATL\_SOURCE\_DESC, PMSID\_GROUP, ADMINISTRATIVE\_GROUP.
- Personnel Action Audit** (Middle Table):
  - Fields: PERSONAL\_ID, EMPLOYEE\_NUMBER, EMPLOYEE\_JOB, EMPLOYEE\_TITLE, EMPLOYMENT\_STATUS, EMP\_JOINING\_DATE, EMP\_APPROVAL\_DATE, EMP\_TERMINAL\_DATE, EMP\_ORIGINAL\_NUMBER, EMP\_ORIG\_STATUS, EMP\_APRV\_STATUS\_DESC, EMP\_APRV\_FIDEL, EMP\_APRV\_NAME, EMP\_APRV\_COLUMN, EMP\_APRV\_VALUE, EMP\_TRANSACTION\_TYPE, EMP\_TRANSACTION\_DATE, EMP\_TRANSACTION\_DATE\_DESC, EMP\_TERMINAL\_TRANSACTION\_DATE, EMP\_TRANSACTION\_COUNT, EMP\_ACTIVITY\_DATE, NATL\_SOURCE, NATL\_SOURCE\_DESC, PMSID\_GROUP, ADMINISTRATIVE\_GROUP.
- Personnel Action Label** (Right Table):
  - Fields: PERSONAL\_ID, EMPLOYEE\_NUMBER, EMPLOYEE\_JOB, EMPLOYEE\_TITLE, EMPLOYMENT\_STATUS, EMP\_JOINING\_DATE, EMP\_APPROVAL\_DATE, EMP\_TERMINAL\_DATE, EMP\_ORIGINAL\_NUMBER, EMP\_ORIG\_STATUS, EMP\_APRV\_STATUS\_DESC, EMP\_APRV\_FIDEL, EMP\_APRV\_NAME, EMP\_APRV\_COLUMN, EMP\_APRV\_VALUE, EMP\_TRANSACTION\_TYPE, EMP\_TRANSACTION\_DATE, EMP\_TRANSACTION\_DATE\_DESC, EMP\_TERMINAL\_TRANSACTION\_DATE, EMP\_TRANSACTION\_COUNT, EMP\_ACTIVITY\_DATE, NATL\_SOURCE, NATL\_SOURCE\_DESC, PMSID\_GROUP, ADMINISTRATIVE\_GROUP.

Arrows indicate relationships between fields in these tables. A red box highlights the **Personnel Action Label** table and its associated fields. A red box highlights the **Personnel Action** table and its associated fields. A red box highlights the **Personnel Action Audit** table and its associated fields. A red box highlights the **Personnel Action Label** table and its associated fields.

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RPE 1-5G1SRJ: Add Family Medical Leave data for reporting	
<b>Summary Statement of Problem:</b>	Please add data from all blocks on PEAFMLA to the ODS to aid in FMLA compliance.
<b>Solution:</b>	Add new reporting view ( <b>FAMILY_MEDICAL_LEAVE_HISTORY</b> ) that includes the data from PERBFML, PERFMLA and PEREFML to permit reporting on the details for employees with family medical leave data.
<b>Business Question:</b>	<ul style="list-style-type: none"> <li>Which employees are on FMLA?</li> <li>What leave time was designated as FMLA? What leave types were used for the FMLA?</li> </ul>

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## ODS Human Resources Enhancements

- RPEs adding data:

- **1-5D774B:** Add columns to LABOR\_COST\_DISTRIBUTION
  - Provide complete labor cost distribution data by **providing all available data** columns added in the Banner 8.x release.
- **1-VKLSUF:** Add description columns to Position Definition
  - Description columns were added to the database and defined to the reporting tool metadata for the BUDGET\_ROLL\_IND and the PREMIUM\_EARNINGS\_ROLL\_IND.

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## ODS Travel & Expense Enhancements

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## ODS T&E Enhancements

- Delegates
- Taxes & Currency Conversion
- Advance Certification Defect

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## ODS T&E Enhancements

RPE 1-5KZ2IV: Added new delegation data

<b>Summary Statement of Problem</b>	Incorporate changes from Travel and Expense 8.2 to track the new delegation information and provide the ability to report on who actually entered the authorization and expense reports if the traveler didn't submit the reports themselves.
<b>Solution</b>	<b>New reporting view DELEGATE_ASSIGNMENT</b> provides the ability to report who are my delegate(s) and if I am a delegate, who are the people I am responsible for. Identify who submitted an authorization or expense report for the traveler, and when that submission took place.
<b>Business Question/Goal</b>	<ul style="list-style-type: none"><li>• Ability to identify who are my delegate(s).</li><li>• Ability to identify who I am responsible for if I am a delegate.</li><li>• Ability to identify who submitted the authorization or expense report for the traveler or to the traveler for review, and when it was submitted.</li></ul>

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## ODS T&E Enhancements

RPE 1-BMAJEZ: Added new tax and currency conversion data

<b>Summary Statement of Problem</b>	<b>Support for Travel and Expense release 8.3 - Currency and Taxes.</b> Need to stay current for reporting needs with the new release of Travel and Expense 8.3 to support Currency and Taxes. This included updates to the reporting views that support FTRBAUTH, FTRBREM, FTPREXPS, FTRCRAFT and new table FTPRETAX. This was done to provide full support, especially for foreign clients, of Travel and Expense to report upon the taxes used and currency conversion used in Travel. Add currency and tax fields to already existing expense or accounting views with links to tax and currency code values.
<b>Solution</b>	This added data provides the ability to report on taxes used and currency conversion used in travel. Wire transfers and the wired amount. Report the traveler's affiliation which can be used to quantify the traveler for reports or insurance purposes.
<b>Business Questions</b>	<ul style="list-style-type: none"><li>• What currency was entered for the expense receipt?</li><li>• What was the amount paid to the traveler and what currency was used?</li><li>• What portion of the entered expense receipt did not include taxes?</li><li>• What was the tax portion of the entered expense receipt?</li><li>• What tax locales and affiliations are most often visited for travel?</li></ul>

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## ODS T&E Enhancements

Certification Defect 1-14DDGJD: Advance addition misrepresents totals

<b>Summary Statement of Problem</b>	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.
<b>Solution</b>	<b>Functions</b> that summarized amounts in PORTFOLIO, PORTFOLIO_SUMMARY, AUTHORIZATION, and REIMBURSEMENT <b>were enhanced</b> to exclude or include 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 represents the advance cleared amount.
<b>Business Questions</b>	<ul style="list-style-type: none"><li>• What was the total amount of the expense report to be paid?</li><li>• What was the total amount of reimbursable items on the expense report to be reimbursed exclusive of the advance cleared amount.</li><li>• What was the advance cleared amount utilized in the expense report?</li></ul>

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ODS Student Enhancements

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ODS Student Enhancements

- Course Catalog/Schedule Offering
- Recruitment/Admissions
- Student/Registration
- History/Academic Outcome

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ODS Student Enhancements

RPE 1-DXF17: Add decision to Government Admissions

<b>Summary Statement of Problem:</b>	In order 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.
<b>Solution:</b>	Add latest decision and associated indicators to the Government Admissions reporting view.
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>• How many students applied for admission?</li><li>• How many students accepted the institution offer of admission?</li><li>• How many students' applications were rejected by the institution?</li></ul>

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## ODS Student Enhancements

RPE 1-D743X5: Revise source of current indicator on Curriculum

<b>Summary Statement of Problem:</b>	Current Ind and Active Ind were added to MST_CURRICULUM in the ODS 8.3 release to support identifying the primary curriculum for the EDW 8.3 and SRP 1.0 releases. MST_FIELD_OF_STUDY and MST_CURRICULUM field named Current Ind was updated to be sourced direct from the SORLFOS_CURRENT_CDE and SORLCUR_CURRENT_CDE respectively, rather than using the ODS function to calculate. Defect 1-ZPF7D3 was used to track these changes.
<b>Solution:</b>	Curriculum and Field of Study data source updated
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>Questions are the same as previous versions, only the source of the indicator is more direct.</li></ul>

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## ODS Student Enhancements

RPE 1-1UXW3T, 1-B53MD7: Add enrollment withdrawal data

<b>Summary Statement of Problem:</b>	Banner Student tracks withdrawal data for third party reporting in the SFRWDRL table. Data is used in the Clearinghouse Extract Report (SFRNSLC) report and updated either online via SFAWDRL or using the SFRWDRL process to capture attendance data for withdrawn students. Add enrollment withdrawal data to the ODS. Defect corrections to the logic for the NOT ENROLLED_IND on the ENROLLMENT reporting view was made by using the F_ENROLLED_THIS_TERM function. ENROLLMENT_WITHDRAWAL data is used to populate ENROLLMENT_WITHDRAWAL_DATE on ENROLLMENT.
<b>Solution:</b>	Enhanced ability to report on ENROLLMENT_WITHDRAWAL data in the ODS by including the date the student withdrew and other data store when a student withdrawal is recorded in Banner. <b>Reporting view ENROLLMENT_WITHDRAWAL was created.</b>
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"><li>How many and which students are at the maximum credits permitted for the academic period?</li><li>How many and which students are at the minimum credits permitted for the academic period</li></ul>

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<b>Active Registration</b>	<b>Enrollment Withdrawal</b>
<b>List of Values</b>	<b>ID</b>
<b>Active Registration</b>	<b>NAME</b>
<b>Time Filters</b>	<b>ACADEMIC_YEAR</b>
<b>Enrollment Filters</b>	<b>ACADEMIC_YEAR_DESC</b>
<b>Enrollment</b>	<b>ACADEMIC_PERIOD</b>
<b>Academic Study Filters</b>	<b>ACADEMIC_PERIOD_DESC</b>
<b>Academic Study</b>	<b>WITHDRAWAL_RECORD_NUMBER</b>
<b>Academic Study Extended</b>	<b>WITHDRAWAL_RECORD_TYPE</b>
<b>Advisor</b>	<b>WITHDRAWAL_RECORD_TYPE_DESC</b>
<b>Advisor By Person</b>	<b>ENROLLMENT_WITHDRAWAL_DATE</b>
<b>Enrollment Withdrawal</b>	<b>ENROLLMENT_STATUS</b>
<b>Faculty</b>	<b>ENROLLMENT_STATUS_DESC</b>
<b>GPA By Level</b>	<b>ENROLLMENT_STATUS_DATE</b>
<b>Instructional Assignment</b>	<b>FINANCIAL_AID_REGULATORY_IND</b>
<b>Meeting Time</b>	<b>FINANCIAL_AID_PROCESSED_IND</b>
<b>Person Address</b>	<b>ACADEMIC_PERIOD_START_DATE</b>
<b>Person Detail</b>	<b>ACADEMIC_PERIOD_END_DATE</b>
<b>Student</b>	<b>ACADEMIC_PERIOD_BREAK_DAYS</b>
<b>Student Attribute</b>	<b>ACADEMIC_PERIOD_TOTAL_DAYS</b>
<b>Student Attribute Set</b>	<b>STUDENT_ATTEND_LEAVE_DAYS</b>
<b>Student Cohort</b>	<b>STUDENT_ATTEND_BREAK_DAYS</b>
	<b>STUDENT_ATTEND_DAYS</b>
	<b>STUDENT_ATTEND_PERCENT</b>
	<b>STUDENT_ORIGINA_CHARGES</b>
	<b>STUDENT_OTHER_CHARGES</b>
	<b>WITHDRAWAL_COMMENT</b>
	<b>ENROLLMENT_UPDATE_USER</b>
	<b>ACTIVITY_DATE</b>



## ODS Student Enhancements

RPE 1-1I7W1: Add veteran certification data to ODS

<b>Summary Statement of Problem:</b>	Need veterans' certification data added to the ODS for federal reporting. Student reporting view is inconsistent with the Veteran Category column not having a Veteran Category description like the Person Detail reporting view. The description was added for consistency.
<b>Solution:</b>	Provide the ability to report on veteran certification credits and certification date. <b>Reporting view VETERAN_CERTIFICATION was created.</b>
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"> <li>How many students are receiving veterans benefits this academic period?</li> <li>What type of veteran benefits are they receiving?</li> <li>When were they certified and for what number of credits?</li> </ul>

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The screenshot shows the Ellucian reporting tool interface. On the left is a tree view of available data sources. A red box highlights the 'Veteran Certification' source at the bottom. A red arrow points from this source to a central text box that reads: 'Added new Veteran Certification reporting view to several business concepts'. To the right of the text box is another red box containing a list of fields available for the 'Veteran Certification' view, including: PERSON\_LID, ID, NAME, ACADEMIC\_YEAR, ACADEMIC\_YEAR\_DESC, ACADEMIC\_PERIOD, ACADEMIC\_PERIOD\_DESC, AID\_ENROLLMENT\_PERIOD, AID\_ENROLLMENT\_PERIOD\_DESC, AID\_YEAR, AID\_YEAR\_DESC, ENROLLMENT\_EXISTS\_IND, TOTAL\_CREDITS, VETERAN\_PSS\_IND, VETERAN\_SPECIAL\_DISABLED\_IND, VETERAN\_CATEGORY, VETERAN\_CATEGORY\_DESC, VETERAN\_TYPE, VETERAN\_TYPE\_DESC, VETERAN\_CERTIFICATION\_CREDITS, VETERAN\_CERTIFICATION\_DATE, and VETERAN\_CERT\_ACTIVITE\_DATE.

## ODS Student Enhancements

RPE 1-SV14XT: Add faculty feedback data to ODS

<b>Summary Statement of Problem:</b>	Add new Banner Faculty Feedback data to the ODS to report on faculty required and optional student progress feedback.
<b>Solution:</b>	Add 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. <b>Reporting views FACULTY_FEEDBACK and FACULTY_FEEDBACK_DETAIL were created.</b>
<b>Business Question/Goal:</b>	<ul style="list-style-type: none"> <li>What feedback types were made mandatory in the academic period by course reference number and student? By course identification?</li> <li>Which students require mandatory faculty feedback by feedback session? By course identification? by academic period?</li> <li>Which students were given faculty feedback when it was not mandatory?</li> <li>Which students required mandatory faculty feedback in multiple academic periods? In multiple subjects?</li> </ul>

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The screenshot displays the Canvas LMS interface, specifically the 'Faculty Feedback' section. The left sidebar contains a list of navigation items, with 'Faculty Feedback' highlighted. The main content area displays a list of feedback items, including 'FEEBACK\_SESSION\_KEY', 'FEEBACK\_SESSION\_START\_DATE', 'FEEBACK\_SESSION\_END\_DATE', 'FEEBACK\_SESSION\_SURVIVAL\_ID', 'FEEBACK\_ADD\_COMMENT\_ID', 'FEEBACK\_ADD\_RECOMMENDATION\_ID', 'FEEBACK\_SESSION\_VERSION', 'FEEBACK\_SESSION\_ORIGIN', 'FEEBACK\_SESSION\_USER', 'FEEBACK\_SESSION\_ACTIVITY\_DATE', 'ACADEMIC\_YEAR', 'ACADEMIC\_YEAR\_DESC', 'ACADEMIC\_PERIOD', 'ACADEMIC\_PERIOD\_DESC', 'SUB\_ACADemics\_PERIOD', 'SUB\_ACADemics\_PERIOD\_DESC', 'COURSE\_REFERENCE\_NUMBER', 'COURSE\_DEFINITION\_NUMBER', 'SUBJECT', 'SUBJECT\_DESC', 'COURSE\_NUMBER', 'COURSE\_SECTION\_NUMBER', 'PERSON\_ID', 'ID', 'NAME', 'INSTRUCTOR\_LID', 'INSTRUCTOR\_ID', 'INSTRUCTOR\_NAME', 'FEEBACK\_STATUS', and 'FEEBACK\_STATUS\_DESC'. The right sidebar shows a list of related items, including 'FEEBACK\_SESSION\_KEY', 'FEEBACK\_SESSION\_ID', 'FEEBACK\_COMMENT', 'FEEBACK\_DETAIL\_EXISTS\_ID', 'COMMENT\_GRADE\_SESSION', 'COMMENT\_GRADE\_ORIGIN', 'COMMENT\_GRADE\_ACTIVITY\_DATE', 'PROCESS\_GROUP', 'MULTI\_SOURCE', 'MULTI\_SOURCE\_DESC', and 'ADMINISTRATIVE\_GROUP'.

The screenshot displays the Oracle Data Dictionary interface. On the left, the 'Advisor' table is selected, showing its hierarchy: Advisor > Student List > Advisor Student List > Time Filters > Student > Academic Outcome > Academic Outcome Set > Academic Study Filters > Academic Study > Academic Study Extended > Advisor > Advisor Person Address > Advisor Set > Enrollment > Enrollment Withdrawal > Faculty Feedback > Faculty Feedback Detail Firms > Feedback Extra Ext. On the right, the 'Faculty\_Feedback\_Detail' table is selected, showing its columns: FEEDBACK\_SESSION\_KEY, FEEDBACK\_SESSION\_DESC, ACADEMIC\_YEAR, ACADEMIC\_YEAR\_DESC, ACADEMIC\_PERIOD, ACADEMIC\_PERIOD\_DESC, SUB\_ACADEMIC\_PERIOD, SUB\_ACADEMIC\_PERIOD\_DESC, COURSE\_REFERENCE\_NUMBER, COURSE\_IDENTIFICATION, SUBJECT, SUBJECT\_DESC, COURSE\_NUMBER, COURSE\_SECTION\_NUMBER, PERIOD\_ID, ID, NAME, INSTRUCTOR\_ID, INSTRUCTOR\_NAME, PERSON\_FEEDBACK\_KEY, FEEDBACK\_KEY, FEEDBACK, FEEDBACK\_DESC, FEEDBACK\_TYRE, FEEDBACK\_TYRE\_DESC, FEEDBACK\_COMMENT, FEEDBACK\_COMMENT\_DESC, FEEDBACK\_ACTIVTY\_ID, FEEDBACK\_ACTIVTY\_DESC, FEEDBACK\_SESSION, FEEDBACK\_DATA\_ORIGIN, FEEDBACK\_USER, FEEDBACK\_ACTIVITY\_DATE, MULTI\_SOURCE, PROCESS\_GROUP, and PROCESSOR\_GROUP.

## ODS Student Enhancements

- **RPEs adding data:**
  - **1-3MFA6J:** Add course level slot reporting view
    - Add **COURSE\_LEVEL\_SLOT** to the Course Catalog and Schedule Offering packages.
  - **1-2S8R7D:** Add instruction method and integration partner
    - Add the Instructional Method ( **SSBSCT INSM\_CODE**) and Integration Partner (**SSBSCT INTG\_CODE**) to **SCHEDULE\_OFFERING**, **STUDENT\_COURSE** and **GOVERNMENT\_COURSE**.
  - **1-D743W1, 1-188V0KZ:** Add course fees sequence number
    - Add course fee sequence number to **COURSE\_OFFERING\_FEEES** to correct load unique constraint issue. Add additional course offering fee rules to support reporting on fee assessment for secondary curriculum
  - **1-18CSGFB:** Add Activity Date to Sources
    - Add **SRRRSRC\_ACTIVITY\_DATE** and the **STVSBGL\_TYPE\_IND** for the source to the **RECRUITMENT\_SOURCE** reporting view. Add **SARRSRC\_ACTIVITY\_DATE** and the **STVSBGL\_TYPE\_IND** for the source to the **ADMISSIONS\_SOURCE** reporting view. Addition columns will permit the institution to report by source type and primary source by type to meet data reporting needs

## ODS Student Enhancements

- RPEs adding data:
  - **1-D743VZ:** Add minimum and maximum credits
    - Add data from SFBETRM to ENROLLMENT reporting view
  - **Defect 1-181MA0E:** Correct Academic Standing Data
    - Add all the academic standing, combined academic standing and progress evaluation columns to the ACADEMIC\_STUDY and ACADEMIC\_STUDY\_EXTENDED reporting views to permit reporting
  - **1-C7V117:** Add institutional and transfer GPA
    - 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
  - **1-172B43, 1-3MZE7:** Add requirement code
    - Provide the ability to report on the associated details so that follow up with the applicant or reporting on outstanding requirements may contain additional detail
    - Add admissions requirement code to TEST and PREVIOUS\_EDUCATION as well as add the origin, user and activity date to ADMISSIONS\_REQUIREMENT
  - **1-92QZKT:** Add transferred course details
    - Add SHRTRCR\_TRANS\_COURSE\_NAME, SHRTRCR\_TRANS\_COURSE\_NUMBERS, SHRTRCR\_TRANS\_COURSE\_TITLE from SHRTRCR to the AS\_STUDENT\_TRANSFERRED\_COURSE composite view, MST\_STUDENT\_COURSE table, and subsequently to the STUDENT\_COURSE view. **Reporting view STUDENT\_TRANSFERRED\_COURSE was created.**

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## ODS Advancement Enhancements

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## ODS Advancement Enhancements

- Proposal Results
- Matching Gifts
- Certification Defects
  - Exclusion End Date
  - Prospects
- Fiscal Year Data Type
- LONG to CLOB

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## ODS Advancement Enhancements

RPE 1-11EH7ME: Create Proposal Results

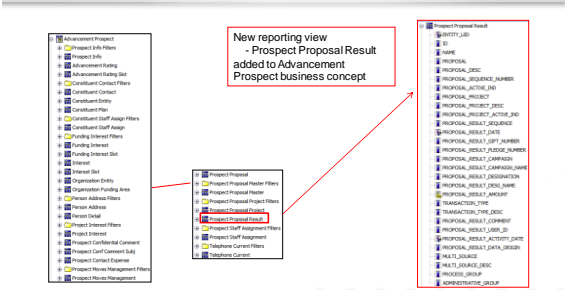
<b>Summary Statement of Problem:</b>	Banner Advertisement release 8.0 added the capability to report on proposal results. Need to be able to report on proposal results for a prospect to identify if contacts and plans are working as expected.
<b>Solution:</b>	Provide the ability to report on individual proposal results for a prospect as well as summary of the results for a prospect's proposal or proposal project. Determine if a result does exist for the prospect's proposal or proposal project.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"> <li>• Which prospects have proposal results recorded?</li> <li>• Are my contacts and strategy plans working as expected?</li> <li>• What were the gifts and pledges associated with the proposal, and did I meet or exceed my target?</li> </ul>

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## ODS Advancement Enhancements

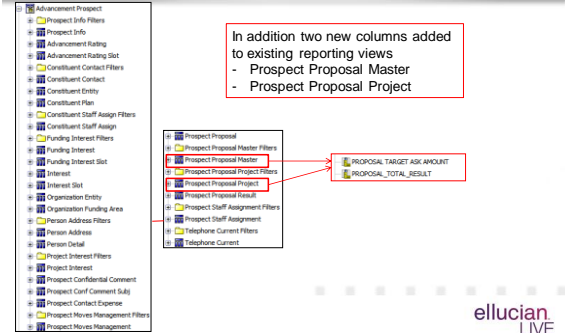


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## ODS Advancement Enhancements



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## ODS Advancement Enhancements

RPE 1-ASU021, 1-ZP0IQ4: Add Matching Gift Data

<b>Summary of Problem:</b>	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 and the match gift number. Banner Advancement Matching Gift Repeating Table (AGRMGIFT) contains the original gift number and the match gift number. Some institutions want to report on associated gift numbers.
<b>Solution:</b>	Add data for gift matching and create a new reporting view that shows the original gift number and the match gift number. <b>GIFT_MATCHING_DETAIL</b> . 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. The new reporting view will provide the match gift numbers as a many to many relationships so the same gift number and gift match number may be on multiple rows.
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"> <li>• Ability to report the number and amount of original gifts and the number and amount scheduled to be matched.</li> <li>• Ability to report the number and amount of original gifts and the number and amount that have been matched.</li> <li>• How many matching gifts are anticipated but not yet received?</li> <li>• What is the total amount of matching gifts received to date?</li> </ul>

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## ODS Advancement Enhancements

New reporting view  
- Matching Gift Detail to Gift Business Concept

Left Panel (Tree View):

- Gift
  - List of Values
  - Gift
    - New Filters
    - Gift Transaction
    - Contribuent Funds
    - Contribuent
    - Contribuent Entity
    - Registration Funded Fund
    - Endowment Units
    - Gifts
    - Gift Associated
    - Gift Activity
    - Employee Gift Matching Detail
    - Employee Gift Matching Detail
    - Registration Transaction
    - Gift Name
    - Gift Multiple
    - Organization Entity
    - Organizational Constituent
    - Registration Constituent
    - Personal Detail
    - Pledge Filters
    - Pledge
    - Pledge Transaction Filters
    - Pledge Transaction
    - Publication

Right Panel (Field Lists):

**Employee Gift Matching Detail**

Field	Field
ENTITY_ID	ID
NAME	NAME
ID	ENTITY_ID
ENTITY_NAME	ENTITY_AND_DESC
ENTITY_AND_DESC	CFT_1B_BASIC
CFT_1B_BASIC	MATCH_ORFT_ANTI_CATEGORIZED
MATCH_ORFT_ANTI_CATEGORIZED	MATCH_EMPLOYER_ID
MATCH_EMPLOYER_ID	MATCH_EMPLOYER_DESC
MATCH_EMPLOYER_DESC	MATCH_EMPLOYER_NAME
MATCH_EMPLOYER_NAME	MATCH_ENTITY_AND_DESC
MATCH_ENTITY_AND_DESC	MATCH_ORFT_AMOUNT
MATCH_ORFT_AMOUNT	MATCH_ORFT_ACTIVITY_DATE
MATCH_ORFT_ACTIVITY_DATE	MATCH_SOURCE
MATCH_SOURCE	MATCH_SOURCE_DESC
MATCH_SOURCE_DESC	MATCH_GROUP
MATCH_GROUP	ADMINISTRATIVE_GROUP
ADMINISTRATIVE_GROUP	

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## ODS Advancement Enhancements


Certification Defect 1-12BXNER: Allow active and inactive prospect records

<b>Summary Statement of Problem:</b>	<p>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. Improvements to managing Prospect Strategy create loss of active Prospect Strategy assignments in ODS since Prospect Strategy assignments can now be made inactive. Granularity of tables was changed to use multiple sequences allowing the user to have multiple strategy assignments for a Strategy and Project combination provided the Start and End dates do not overlap.</p>
<b>Solution:</b>	<p>Enhance PROSPECT_STAFF_ASSIGNMENT and PROSPECT_MOVES_MANAGEMENT to determine active or inactive prospect strategy plans. Enhance to reuse the same strategy plan with a different set of moves in PROSPECT_MOVES_MANAGEMENT. Enhance CONSTITUENT_CONTACT to determine if associated strategy plan is active or inactive, and include the sequence as each strategy plan is reused for the contact. Change the granularity on PROSPECT_MOVES_MANAGEMENT and CONSTITUENT_CONTACT when the STRATEGY_PLAN_SEQUENCE_NUMBER is added.</p>
<b>Business Question/ Goal:</b>	<ul style="list-style-type: none"> <li>• Provide the ability to report on active or inactive staff assignments or active or inactive strategy plans and strategy plans may be reused with different sets of move dates.</li> <li>• 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 move dates.</li> </ul>

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<b>Goal:</b>	<p>dates.</p> <ul style="list-style-type: none"> <li>• 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 roles.</li> </ul>
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## ODS Advancement Enhancements

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## ODS Advancement Enhancements

### • Other RPEs:

- **1-6SD92X:** Correct fiscal year to Varchar2 in Advancement
  - Changed data type from NUMBER to VARCHAR2 on a number of columns so that reporting tools would recognize no aggregation is to be performed on these columns. Included are any Advancement columns with "YEAR" in the column name
- **Defect 1-18514J8:** Correct LONG to CLOB in Advancement
  - Banner Advancement 8.5.1 patch p1-300ffl\_alu8050101 changes the remaining LONG column types in the following tables to CLOB. As a result, the ODS ETL that use these tables must be modified

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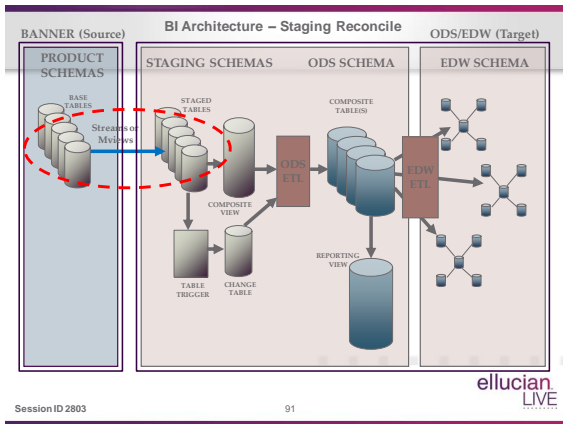
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## ODS Reconciliation Enhancements

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## Staging Reconcile Process (RPE 1-199RJNX)

- Streams
  - Baseline FAQs 1-QG6S6A and 1-BPCU06
    - 1-QG6S6A: Staging Utility for Table Synchronization
    - 1-BPCU06: Report Staging Area Status DBA\_APPLY\_ERROR
  - Compare Row Counts or Data for schemas / tables
  - Reload or Restage schemas / tables
  - Execute All Errors after a reload / restage
  - Stage Area Status shows details of first Streams error, summary of all errors

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## Staging Reconcile Process (RPE 1-199RJNX)

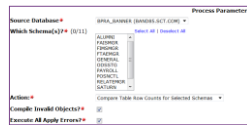
- Mviews and Streams
  - Compile Invalid Objects after a restage
  - Restage includes job to run ETL jobs for ODS tables and EDW operational stars

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## Staging Reconcile Process (RPE 1-199RJNX)

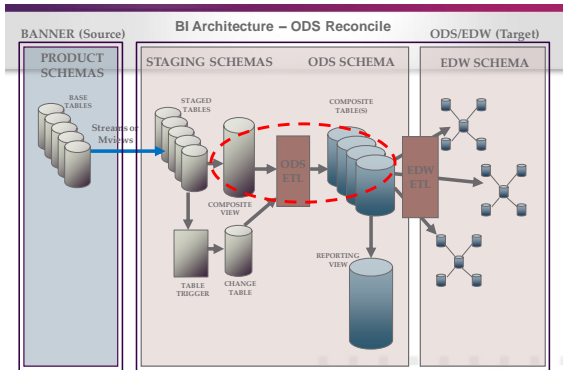
- MViews job page
- Streams job page



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## ODS Reconcile Process

- 1-12WN2Z3: Incorporate Change Table Records
  - Reconcile Process will use Change tables when a mismatch occurs
- 1-12WN2Z3: Support for Reconcile Parameters
- Enhanced Reconcile Documentation

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## Reconcile Parameters (1-12WN2Z3 )

**Banner ODS Utilities**  
**Reconcile a Single Table**

**Mapping to Check \***

**Show SQL ? \***

**Reconciliation Type \***

**Retain output table \***

**Reconciliation Parameter \***

THIS IS SOME TEXT  
WHERE ACADEMIC\_PERIOD = '2012'  
WHERE ACADEMIC\_PERIOD = '201201'  
WHERE ACADEMIC\_PERIOD = '201210'  
WHERE ACADEMIC\_PERIOD = '2013'  
WHERE ACADEMIC\_PERIOD = '2015'  
WHERE ACADEMIC\_PERIOD = '201210'  
WHERE ACCOUNT\_TYPE = 53  
WHERE AID\_YEAR = '1112'  
WHERE AID\_YEAR LIKE '1%'  
WHERE AID\_YEAR like '%'  
WHERE CAMPAIGN = 'ANND01'  
WHERE FISCAL\_YEAR = '2012'  
WHERE RATING\_TYPE = 'A'

Other, Please Specify

Process to Schedule

Process Parameters

- Allows you to enter a new Parameter value on screen for Reconcile run, and optionally save it for future runs.
- Saved Parameters stored as RECONCILE PARAMETER VALUE parameter (MTVPARM)

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Thank You!

Brian Large  
brian.large@ellucian.com

Please complete the online session evaluation form  
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