Cornerstone Reporting Optimization (CRO)

CRO Project Overview and Report Prototype Demo

March 29, 2018

Cornerstone

*Transforming the Way We Work at Rutgers*
Agenda

• CRO Project Description & Scope Review
• CRO Project Objectives Review
• Report Prototype Goals & Objectives
• Report Prototype Problem Statement and Requirement Definition
• Report Prototype Overview (Data and Dashboards included)
• Report Prototype Demo: Payroll-to-Project-to-G/L Reconciliation
• Takeaways
• Helpful Guidelines for Defining CRO Report Requirements
CRO Project Description

The CRO Project is an integrated financial data and reporting platform that will support finance reporting and analytics across the entire organization, and will result in the creation of a Reporting Center of Excellence (COE) to meet the current and future finance reporting demands of the business community.

CRO Systems in Scope

- Oracle Cloud (Financial Management)
- PeopleSoft (Human Resources)
- PeopleSoft (Payroll)
- JAGGAER (Procurement)
- RAPSS (Research administration and grant submission)
- Student Accounting, Financial Aid and Student Registration
  - Student Accounts Receivable (SARS), Banner Accounts Receivable
  - Financial Aid Management System (FAMS), Banner Financial Aid
  - Student Registration System
## CRO Project Objectives

<table>
<thead>
<tr>
<th>CRO Objectives</th>
<th>Benefits to You</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Provide a single source of integrated, validated, and timely data used for reporting</td>
<td>Reduce or eliminate non-value added tasks (i.e. manually cleansing, mapping, coalescing, validating, and reconciling data across multiple reports/systems)</td>
</tr>
<tr>
<td>2. Provide a single reporting platform containing integrated data from multiple source systems</td>
<td>A 360° view of financial and administrative information will help you manage your business, gain insights, and enable informed decisions for improved outcomes</td>
</tr>
<tr>
<td>3. Provide a set of standardized views that meet the needs for all users across the university</td>
<td>Standardized views for an intuitive, easy to navigate interface designed for you to access valuable and useful information for rapid analysis</td>
</tr>
<tr>
<td>4. Provide a standardized tool to enable ad-hoc reporting and analysis</td>
<td>A standardized tool will allow experienced analysts to create customized views to analyze data tailored to your unique business needs</td>
</tr>
<tr>
<td>5. Operationalize a <strong>CRO Reporting Center of Excellence</strong></td>
<td>A team of functional and technical experts that will support you with the on-going improvement, maintenance, governance, security, and administration of the new CRO reporting environment</td>
</tr>
</tbody>
</table>
CRO Objective 1: **Single source of integrated, validated, and timely data**
CRO Objective 2: **Single reporting platform containing integrated data**

**Source Systems**
- JAGGAER
- Budget Forecast DRM
- Hyperion
- PeopleSoft

**Oracle Cloud**
- G/L Procurement
- Cash Management
- A/P Projects / Grants
- A/R

**Data Warehouse**
- Financial Data
- HR / Payroll Data
- Student Data

**Tableau Enterprise**
- Procurement Reporting and Analytics
- Payables / Expense Reporting and Analytics
- Sponsored Projects Reporting and Analytics
- Non-Sponsored Projects Reporting and Analytics
- G/L Reporting and Analytics
- HR Reporting and Analytics
- Payroll Reporting and Analytics
- Student, Fin Aid, & Registration Reporting and Analytics

**Tableau Enterprise**

**Cornerstone**
*Transforming the way we work at Rutgers*
CRO Objective 3: Set of standardized views - Expenses By Type By Creator
CRO Objective 3: Set of standardized views - Expenses By Type By Traveler
CRO Objective 3: Set of standardized views – Expenses By UD Month
CRO Objective 3: Set of standardized views - Expenses by Airfare
CRO Objective 4: **Standardized tool for ad-hoc reporting and analysis**

Tableau G/L Analysis demo – Screen Print only
Report Prototype Goals

• Demonstrate the capabilities to integrate data from multiple source systems into a single database to be used for reporting and analytics out of CRO

• Demonstrate the capabilities and functionality of Tableau

• To help CRO workshop participants to see the approach that will be used in the workshop sessions for identifying and defining reporting and analytic requirements

Report Prototype Objectives

To create a sample Tableau reporting environment that supports an analysts’ needs to:

• Compare PS Salary vs. G/L Salary totals with variances by Pay Period

• Identify G/L Salary transaction totals that are in Suspense by Pay Period

• Analyze salary redistributions by Pay Dates vs. Redistribution Dates by Unit

• Reconcile PS Salary expenses across all Projects by Pay Period
As an analyst, it is difficult to reconcile data between Oracle Financial Cloud System and PeopleSoft Payroll data.

We need an easy way to see and verify the accuracy of data between both systems. We need to the ability to identify differences between systems easily and drill down into the details at the employee level to see the impact on the projects subledger and the general ledger.
Report Prototype Requirement Definition - Sample

As an analysts, I need to see...

1. PS Salary to G/L Salary comparison by Campus, Pay Period, and Salary Natural Accounts with the ability to filter by Unit, Division, and Fund Type

2. PS Salary to G/L Salary variances by Fund Type with the ability to filter by Unit, Division, and Fund Type

3. PS Salary to Project Salary comparison and G/L Salary to Project Salary comparison by Campus, Pay Period, and Salary Natural Accounts with the ability to filter by Unit, Division, and Fund Type

4. PS Salary to G/L Salary reconciliation by Org, Location, Fund Type, and Business Line with the ability to filter by Unit, Division, Org, and Pay End Dates

5. Salary Redistributions by Pay Date vs. Redistribution Dates by Unit

6. Payroll-Project-G/L Transaction level detail
Report Prototype Overview:

Data included (extracted from the Dev environment):
• PeopleSoft, G/L Journal Line, and Project Transaction level detail data
• G/L Transaction Dates 1/1/2018 through 2/9/2018
• All UDO’s, Locations, Fund Types, and Business Lines
• Salary (50010) and Salary Suspense (50190, 10994) Natural Accounts only

Tableau Dashboards and Reports included:
• Central View:
  – Comparison and variance of PS Salary vs G/L Salary vs. Project Salary (with G/L breakout of Salary and Salary Suspense Accounts) by Campus and Pay End Date
  – PS vs G/L Differences by Fund Type and Salary Natural Accounts (Salary and Salary Suspense Natural Accounts)
• Field View:
  – Comparison and variance of PS Salary vs G/L Salary Accounts (suspense and non-suspense) by Unit, Location, Fund Type, and Business Line
• Payroll Redistribution View:
  – Salary Redistribution summary by Pay End Date vs Redistribution Pay Date by Unit
• Transaction Level Detail view
Central View (Natural Accounts)

<table>
<thead>
<tr>
<th>Pay End Dt</th>
<th>Campus</th>
<th>Payroll by Campus (PeopleSoft / General Ledger)</th>
<th>Abs Difference</th>
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<tbody>
<tr>
<td>1/26/2018</td>
<td>RBHS</td>
<td>11,786,054</td>
<td>11,791,142</td>
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<tr>
<td></td>
<td>Central</td>
<td>10,993,317</td>
<td>10,103,497</td>
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<tr>
<td></td>
<td>NB</td>
<td>6,337,051</td>
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<td>NWK</td>
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<tr>
<td></td>
<td>CMD</td>
<td></td>
<td></td>
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<tr>
<td>2/9/2018</td>
<td>RBHS</td>
<td>8,685,720</td>
<td>8,605,639</td>
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<td></td>
<td>CMD</td>
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</table>

<table>
<thead>
<tr>
<th>Pay End Dt</th>
<th>Campus</th>
<th>Differences by Fund Type</th>
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<td>1/26/2018</td>
<td>RBHS</td>
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<td>2,827</td>
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<td></td>
<td>CMD</td>
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</table>
Tableau Payroll-Project-to-GL Reconciliation demo – Screen Prints only

Central View (Projects)
CRO Report Prototype Demo

Tableau Payroll-Project-to-GL Reconciliation demo – Screen Prints only

Field View
CRO Report Prototype Demo

Tableau Payroll-Project-to-GL Reconciliation demo – Screen Prints only

Payroll Redistribution
Demo Takeaways

- CRO is a Business lead initiative that will be enabled by Finance, OIT and the PMO
  - All data, reporting, and analytic requirements will be defined from the business perspective
  - A strong partnership between Finance, OIT, and the PMO will drive the implementation of the CRO solution
- The focus of the CRO project is on integrating data from multiple finance and administrative source systems to provide users with a 360° view of the information required for rapid analysis and to help you manage and gain insights into your business
- Tableau will be used as the standard reporting and analytic platform to achieve the Cornerstone Reporting Optimization project goals and objectives
  - Tableau is an industry leading analytic, reporting, and data visualization tool
  - Single reporting environment to get access to all Finance and Administrative information
  - Supports users at all levels of the organization (executive, management, analysts, power users, lightweight information consumers, etc.)
Based on the premise that you can have all of the finance and administrative data you need in one database, these are the types of questions to think about prior to the workshops:

• What information do I need to perform my function more efficiently and effectively?
• What information do I need to help make informed decisions, or to respond quickly to address a problem?
• What information do I need to see first thing in the morning when I log in to help me manage my day?
• What information do I need to perform rapid analysis to support my customers inquiries?
• What are my biggest challenges around getting the information I need to produce and/or distribute reports?
• What information do I need to measure performance and/or track against business goals?