OUM

DS.140 Design Specification

Cigna Corporation

1. BI-OOB-0001\_Add Summary Flag to Natural Account, Cost Center and Balancing Segment in the following OOB Subject Areas.
2. Financials – Asset Overview
3. Financials – AP Transactions
4. Financials – GL Detail Transactions
5. Financials – GL Balance Sheet

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Version: 1.0

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# Document Control

## Change Record

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# Business Overview

As part of the Building Financial Foundations project, Oracle Enterprise Business Suite (EBS) R12 was implemented / upgraded in an effort to modernize the overall accounting and financial reporting process. Reporting for the General Ledger (GL), Accounts Payable (AP), Fixed Assets (FA) and Accounts Receivable (AR) were developed in Discoverer.

To build upon the current reporting, the Expense Redesign projects plans to implement Business Intelligence (BI) to:

* Integrated systems and reporting tools to automate business processes and better insight into data resulting in time and cost savings
* Self-Service Business Intelligence to aid timely and intelligent business decisions by providing trustworthy and relevant and timely access to data
* Build a solid foundation for future reporting needs, including management reporting and analytics. Replace older reporting tools with modern and more effective integrated reporting technologies
* Provide a platform for analytical and operational reporting
* Adhoc, reporting with drilldown and dashboard capabilities
* Extend the current operational reporting capabilities
* Enhance analytical, real time, metadata reporting capabilities

Business Intelligence reporting will be standardized on the Oracle Business Intelligence Enterprise Edition (OBIEE) platform. Oracle Business Intelligence Application (OBIA) will be implemented to support GAAP, STAT, MLR reporting, extend analysis capabilities, and provide operating expense reporting to various areas in the Finance community.

Add summary flag for Natural Account, Cost Center and Balancing Segment in following subject areas:

* 1. Financials – Asset Overview
  2. Financials – AP Transactions
  3. Financials – GL Detail Transactions
  4. Financials - GL Balance Sheet

## Assumptions

|  |  |
| --- | --- |
| **Number** | **Assumption** |
| 1 | Specified Column to be added to the Financials – Asset Overview, Financials–AP Transactions, Financials–GL Detail Transactions and Financials–Gl Balance Sheet Subject Areas into the “Cost Center”, “Natural Account” and “Balancing Segment” folders only and not to any other folders. |

## Risks & Issues

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Risk/Issue** | **Probability**  **(H/M/L)** | **Mitigation** |
|  |  |  |  |

## Referential Documents

The following documents serve as references for the content within this technical design document.

|  |  |
| --- | --- |
| **Name** | **Locations/Attachments** |
| FD | [**FunctionalSpec\_Scope**](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Design/Reporting/Functional%20Specs/FunctionalSpec_Scope.docx) |

## Definitions and Acronyms

|  |  |
| --- | --- |
| **Key Word** | **Meaning** |
| OBIEE | Oracle Business Intelligence Enterprise Edition |
| OOB | Out Of The Box |
| RPD | Repository File |
| ETL | Extract, Transform and Load |
| BI | Business Intelligence |

## Block Diagram

NA

# Technical Overview

The Summary Flag column is sourced from “**FND\_FLEX\_VALUES.Summary\_Flag**” from EBS. It denotes which items in the hierarchy are parent records. Summary Flag is added to facilitate filtering out Parent records in the lists of values of filters on each selected column. It is a BIAPPS Type-1 customization wherein newly created column “**X\_SUMMARY\_FLAG**” has been imported into below mentioned physical tables in the physical layer of the RPD and then pulled eventually into the other layers of the rpd and made available in the required subject areas for reporting purpose.

1. “Oracle Data Warehouse”. “Catalog”.”dbo”.”W\_NATURAL\_ACCOUNT\_D”
2. “Oracle Data Warehouse”. “Catalog”.”dbo”. “W\_COST\_CENTER\_D”
3. “Oracle Data Warehouse”. “Catalog”.”dbo”. “W\_BALANCING\_SEGMENT\_D”

## Data Lineage/Mapping

NA

# Custom Components list

NA

# ELT Overview

<https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Release%202/TCS-Development/05-DS-140%20Technical%20Design%20TD/TD_DS_140_ETL_004_ODI_Summary_Flag.docx>

## Data Flow Model

NA

## Source System

NA

## Target System

NA

## Indexes

N/A

## Load plans

NA

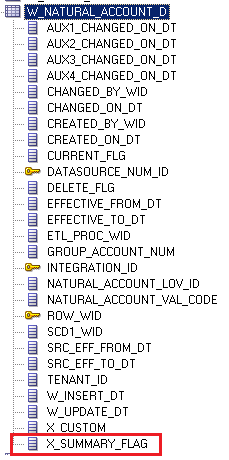
# RPD Design

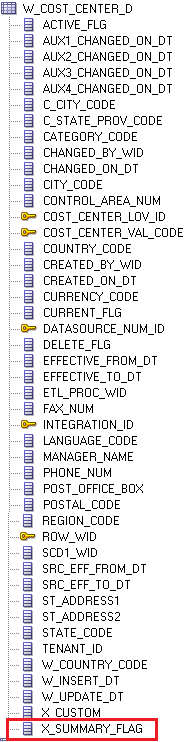
This section explains the technical implementation in the RPD

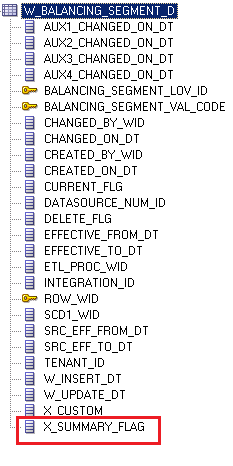
## Physical Layer

Import newly created column “X\_SUMMARY\_FLAG” into below mentioned physical tables in the physical layer of the RPD.

1. “Oracle Data Warehouse”. “Catalog”.”dbo”.”W\_NATURAL\_ACCOUNT\_D”
2. “Oracle Data Warehouse”. “Catalog”.”dbo”. “W\_COST\_CENTER\_D”
3. “Oracle Data Warehouse”. “Catalog”.”dbo”. “W\_BALANCING\_SEGMENT\_D”







Verify the addition of new column “X\_SUMMARY\_FLAG” in the corresponding Alias tables in the Physical layer.

* Dim\_W\_COST\_CENTER\_D
* Dim\_W\_BALANCING\_SEGMENT\_D
* Dim\_W\_NATURAL\_ACCOUNT\_D

## Physical diagram

N/A

## Database Objects

NA

## BMM Layer

Bring newly created column “X\_SUMMARY\_FLAG” into the logical tables in the BMM layer in the “Core” business model mentioned below.

* Dim - Cost Center
* Dim - Balancing Segment
* Dim - Natural Account Segment

Rename the column “X\_SUMMARY\_FLAG” in the Logical tables as mentioned in the below table and set the icons for the new columns accordingly as mentioned.

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Logical Column** | **Renamed Logical Column** | **Icon** |
| 1. | Dim – Cost Center | Cost Center Summary Flag |  |
| 2. | Dim – Balancing Segment | Balancing Segment Summary Flag |  |
| 3. | Dim –Natural Account Segment | Natural Account Summary Flag |  |

## Presentation Layer

Pull the newly created logical columns “**Cost Center Summary Flag**”, “**Balancing Segment Summary Flag**” and “**Natural Account Summary Flag**” from the BMM layer into the corresponding Presentation tables within the specified subject areas as mentioned in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Logical Column** | **Subject Area** | **Presentation Folder** |
| 1. | Cost Center Summary Flag | Financials - AP Transactions | Cost Center |
| 2. | Cost Center Summary Flag | Financials - Asset Overview | Cost Center |
| 3. | Cost Center Summary Flag | Financials - Gl Balance Sheet | Cost Center |
| 4. | Cost Center Summary Flag | Financials - GL Detail Transactions | Cost Center |
| 5. | Balancing Segment Summary Flag | Financials - AP Transactions | Balancing Segment |
| 6. | Balancing Segment Summary | Financials - Asset Overview | Balancing Segment |
| 7. | Balancing Segment Summary | Financials - Gl Balance Sheet | Balancing Segment |
| 8. | Balancing Segment Summary | Financials - GL Detail Transactions | Balancing Segment |
| 9. | Natural Account Summary Flag | Financials - AP Transactions | Natural Account |
| 10. | Natural Account Summary Flag | Financials - Asset Overview | Natural Account |
| 11. | Natural Account Summary Flag | Financials - Gl Balance Sheet | Natural Account |
| 12. | Natural Account Summary Flag | Financials - GL Detail Transactions | Natural Account |

## RPD Issues

NA

## RPD Solution

NA

# Report Design

## Report Details

NA

## User Prompts

NA

## Header

NA

## Data Fields

NA

## Report Filters

NA

## Interfaces- External

NA

## Security

NA

## Catalog Issues

NA

## Catalog Solution

NA

# Performance

## Performance Considerations/Requirements

NA

## Stress Test

NA

## Loading Timing/Benchmarking

NA

# Open and Closed Issues

1. Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
     
   When this work product is complete, any open issues should be transferred to the project- or process-level Issue Log (Manage focus area) and managed using a project level Issue Form (Manage focus area). In addition, the open items should remain in the open issues section of this work product, but flagged in the resolution column as being transferred.

## Open Issues

| **ID** | **Issue** | **Resolution** | **Responsibility** | **Target Date** | **Impact Date** |
| --- | --- | --- | --- | --- | --- |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |

## Closed Issues

N/A

| **ID** | **Issue** | **Resolution** | **Responsibility** | **Target Date** | **Impact Date** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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