OUM

RD.140 Requirements Specification

Cigna

BI-RPD-0007 Redistribution Ratios Subject Area Functional Requirements

| Group Id | Component Id List | Description |
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**Approvals:**

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# Document Control

## Change Record

4

| Date | Author | Version | Change Reference |
| --- | --- | --- | --- |
| June 28, 2016 | John Liette | 1 | No Previous Document |
| June 29, 2016 | John Liette | 1.1 | * Corrected Logical Data Model (a join was missing) * Removed a requirement that doesn’t apply to Redistribution Ratios information * Clarified in multiple locations that AOR Security should be based on “Expense Center” parent/child hierarchy, and not that of “Redistribution Expense Center” * Added Note to Subject Area definition that Expense Center Parent and Redistribution Expense Center Parent should each only be used for parameters and filters, not in result sets. |
| 6/30/2016 | John Liette | 1.2 | * Modified security section to remove row level security requirement and instead impletement secutiry at the subject area level for the role “Cigna AOR Expense Redistribution” |
| 7/28/2016 | John Liette | 1.3 | * Removed Redistribution Ratio ID from list of columns |
| 8/11/2016 | John Liette | 1.4 | * Added object level security information |
| 8/26/2016 | John Liette | 1.5 | * Added assumptionsregarding data uniqueness and aggregation |
| 9/1/2016 | John Liette | 1.6 | * Updated aggregation requirements: Ratio **WILL BE SUMMED** by default |

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# Introduction

1. The introduction of the **Requirements Specification** provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of the document.
2. The **Requirments Specification** captures the complete software requirements for the system, or a portion of the system. Following is a typical outline for a project **using use case modeling**. This artifact consists of a package containing use cases of the use case model and applicable Supplemental Specifications and other supporting information.

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 provide GAAP, STAT, MLR reporting, extend analysis capabilities, and provide operating expense reporting to various areas in the Finance community.

## Purpose

1. Specify the purpose of this **Requirements Specification**. It describes the external behavior of the application or subsystem identified. It also describes nonfunctional requirements, design constraints, and other factors necessary to provide a complete and comprehensive description of the requirements for the software.

Redistribution Ratios data resides in the custom area of Oracle EBS. Out of the box OBIA RPD and analytics do not bring them into OBIA presentation layer. As a result, custom RPD design and build will be required to enable BI analytical reporting on Redistribution Ratio data.

This custom RPD design and Redistribution Ratios Subject Area will allow the user to analyze and report on all of the important Redistribution Ratio data elements. It will form a common basis for the current and future reports, as well as provide a simplified view (with the necessary joins) for the user to create ad-hoc analyses.

This document describes the functional requirements, source of data elements, and design of the Redistribution Ratios subject area.

## Scope

* Only the data that reside in the OBIA / OBAW data ware house tables either via standard or custom ETL will be pulled into RPD and BI presentation. Data will not be sourced from any other systems directly.
* Joins to out of the box accounts payable subject area only will be in scope for this requirement.

1. A brief description of the software application that the **Requirements Specification** applies to, the feature or other subsystem grouping, what Use Case Model(s) it is associated with, and anything else that is affected or influenced by this document.

## Assumptions and Dependencies

* Custom ETL (BI-ETL-0001) should have been successfully executed and should have brought the pre-allocated expenses fact and dimensional data should have successfully loaded into BI DW prior.
* Out of the box load plans full load and incremental load must have been successfully executed and data should have been loaded successfully in standard BI DW tables.
* Data will not be available in real time. Latency of data will directly depend on when the last data refresh (standard and custom) happened. Normal schedule of data refresh is daily / nightly.
* No analysis or dashboard will be built as part of this requirement. Only subject area structure will be available for end users to perform adhoc reporting.
* Any addition to fields that are not listed in the [Data Field Requirements](#_Data_Field_Requirements) section will require RPD design changes
* If there are two or more records for the same combination and the ratios are **same**, OBIEE will display only 1 distinct record.
* If there are two or more records for the same combination and the ratios are **different**, OBIEE will display all the records.
* By default, the fact column will not have an aggregation rule applied. Aggregations may be applied at the report level.
* Any numeric column in a fact table should have a default aggregation of SUM, unless otherwise noted
* The fact column “Ratio” will have a default aggregation of SUM. Users should know that to determine individual row uniqueness requires using the “Record ID” column in the result set.

## Definitions, Acronyms, and Abbreviations

1. This subsection provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the **Requirements Specification**. This information may be provided by reference to the project’s Glossary.

| Acronym | Name | Description |
| --- | --- | --- |
| EBS R12 | Oracle E-Business Suite Release 12 | Financials System |
| OBIA | Oracle Business Intelligence Applications | Oracle BI analytics pre-packaged application |
| OBAW / DW | OBIA Data warehouse |  |
| BI | Business Intelligence | Oracle Analytics tool |

## References

1. This subsection provides a complete list of all documents referenced elsewhere in the **Requirements Specification**. Identify each document by title, report number (if applicable), date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.

[BI-ETL-0005\_FS\_RD-140\_Redistribution\_Ratios\_ETL](https://centralhub.cigna.com/project/epms13058/Expense%20Reporting/Design/Reporting/Functional%20Specs/ETL/BI-ETL-0005_FS_RD-140_Redistribution_Ratios_ETL.docx)

## Overview

1. This subsection describes what the rest of the **Requirements Specification** contains and explains how the document is organized.

**Redistrubution Ratios are stored in the EBS table XXC\_XLA\_CES\_REDIST\_RATIOS with several dimensional attributes including Period Name, Currency Code, and Start and End Date.**

**It also includes exclusive dimensional values Redistribution Expense Center and Redistribution Cost Pool. These contain the same sets of values as the existing Cost Pool and Expense Center dimensions, however, a single record may have different values for Cost Pool than the Redistribution Cost Pool, and/or a different value for the Expense Center than the Redistribution Expense Center. These fields can join to the existing dimensions, however, they must retain their values from XXC\_XLA\_CES\_REDIST\_RATIOS.**

**ETL work for this effort will include building and populating 1 new fact table that contains the Redistribution Ratios value along with all necessary WIDs to join to dimensions.**

# Requirements

## Business Requirements

* Subject area naming and contents should match the contents of the excel attached in data field requirements section below
* End user should be able to pull any field from the list into adhoc analysis and be able to view the data on the screen
* User should be able to export the retrieved data via adhoc analysis into any standard format including but not limited to excel, html, pdf.
* Last date and timestamp when the Redistribution Ratio data were loaded into the data warehouse need to be displayed on the top when the end user selects the Redistribution Ratio subject area.
* End user should be able to query Redistribution Ratio data from inception to date. No filtering on BI side should be done.
* Adhoc analyses created by end user should execute in optimal manner. Results should retrieve within 20 minutes time frame as long as some key prompt values are entered.
* Most frequently used and primarily used prompts / parameter would be Expense Center Parent i.e AOR, period name etc
* The subject area must be restricted to only allow access for administrators and those with the role “Cigna Pre-Allocated Expense Analyst”
* The Ratio column will have a default aggregation of SUM.
  + Since some records have are only unique by the Record ID, users will need to add that in cases it is relevant to see individual ratios.

1. This section of the Requirements Specification describes the general factors that affect the product and its requirements. This section does not state specific requirements. Instead, it provides a background for those requirements, which are defined in detail in Section 3, and makes them easier to understand. Include such items as product perspective, product functions, user characteristics, constraints, assumptions and dependencies, and requirements subsets.

# Design / Approach

1. This section of the **Requirements Specification** contains all software requirements to a level of detail sufficient to enable designers to design a system to satisfy those requirements and testers to test that the system satisfies those requirements. When using use case modeling, these requirements are captured in the use cases and the applicable supplemental specifications. If use case modeling is not used, the outline for supplemental specifications may be inserted directly into this section.

This section describes the high level design and approach.

## Logical Data Model

1. Pre-allocation expenses dimensional data model with fact and custom and standard dimensions is represented below:This section describes any key technical feasibility, subsystem or component availability, or other project related assumptions on which the viability of the software described by this **Requirements Specification** may be based.



## Data Field Requirements

Attached workbook contains detailed requirements with name, contents of the subject area for pre-allocated expenses.

**SUBJECT AREA**: **Cigna Financials – Redistribution Ratios**



**NOTE:** While Expense Center Parent and Redistribution Expense Center Parent are included in the subject area, due to the many Parents to Many children relationship of the data, these fields should only be used for parameters and filters, as adding them to the report will incorrectly inflate the result set.

## Data Security

Security will be provided at the subject area level. There is no requirement for row level security.

Users with the Cigna Pre-Allocated Expense Analyst role will have access to this subject area.















# Supporting Requirements

1. The supporting information makes the **Requirements Specification** easier to use. It includes:  
     
   - Table of Contents  
   - Index  
   - Appendices
2. These may include use case storyboards or user-interface prototypes. When appendices are included, the **Requirements Specification** should explicitly state whether or not the appendices are to be considered part of the requirements.

## Overall Supplemental Requirements

1. The intent of this section is to record the Supplemental Requirements. Reference the Supplemental Requirements (RD.055)
2. The intent of this section is to record the User Interface Standards Requirements. You may include samples, and textual descriptions of the UI standards. Reference the **User Interface Standards Requirements** (RA.095)

## Performance

Adhoc analyses created by end user should execute in optimal manner. Results should retrieve within 20 minutes time frame as long as some key prompt values are entered.

1. The intent of this section is to record the Performance management requirements. Reference the Performance Management Requirements and Strategy (PT.020).

## Audit and Control

1. The intent of this section is to record the Audit and Control requirements. Reference the Audit and Control Requirements and Strategy (RD.070).
2. The intent of this section is to record the Data Acquisition and Conversion requirements. Reference the Data Acquisition and Conversion Requirements (CV.010).
3. The intent of this section is to record the Documentation requirements. Reference the Documentation Requirements and Strategy (DO.010).
4. The intent of this section is to record the Technical Architecture requirements. Reference the Architecture Requirements and Strategy (TA.020).

* Last extract date and time stamp when the Redistribution Ratio data were loaded into DW should be recorded and displayed

## Testing

1. The intent of this section is to record the Testing requirements. Reference the Testing Requirements (TE.005).
2. The intent of this section is to include the Services Portfolio. Individual SOA Services may be referenced by the Use Cases. Reference the **Service Portfolio (**RA.025).

# 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 |
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## Closed Issues

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