

**Oracle® Financial Services**

Reporting Administration Guide

Release 12.2

**Part No. E48861-01**

September 2013

Oracle Financial Services Reporting Administration Guide, Release 12.2

Part No. E48861-01

Copyright © 2006, 2013, Oracle and/or its affiliates. All rights reserved.

Primary Author: Leya William

Contributing Author: Mathew Daniel, Julianna Litwin, Sanjay Mall, Essan Ni, Vijay Tiwary

Contributor: Susan Bernstein, Andrew Ko, Samatha Kung, Shintaro Okuda, Geoffrey Potts, Chris Spofford

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

---

# Contents

**Send Us Your Comments**

**Preface**

## **Part 1 Oracle Financial Services Reporting Architecture**

### **1 Enterprise Performance Foundation (EPF) in Discoverer**

Overview of the Oracle Financial Services Reporting Structure .....	1-1
Data Available in the Architecture and Required Transformation.....	1-2
Relationship Between EPF Data Entities and Its Presentation in the Architecture.....	1-3

### **2 Core EPF and FTP Business Areas**

Core EPF Business Area and its Components.....	2-1
Data Folders.....	2-11
Calculated Items.....	2-31
Registered PL/SQL Functions.....	2-37
Core FTP Business Area.....	2-38

### **3 Managing the Core Business Areas**

Managing the Business Area .....	3-1
Managing Security in the Seeded Business Area.....	3-2
Using a Worksheet .....	3-3
Running Multiple Discoverer Releases on the Same Instance.....	3-3

## Part 2 Standard Reports for Oracle Financial Services

### 4 Using the Reports

Overview of the Reports.....	4-1
Common Report Concepts.....	4-2
Generating and Viewing Reports.....	4-3

### 5 Data Management Reports

Overview of Data Management Reports.....	5-1
GL Instrument Reports.....	5-1
STD – DATA Instrument to GL Reconciliation.....	5-2
STD – DATA GL Instrument Upload.....	5-9
Stratification Reports.....	5-14
Stratification Reports Common Concepts.....	5-17

### 6 Oracle Financial Services Audit Reports

Overview of Oracle Financial Services Audit Reports.....	6-1
STD-AUDIT Cash Flow Edits.....	6-1
STD-AUDIT Process Cash Flows.....	6-3

### 7 Oracle Transfer Pricing Reports

Overview of Oracle Transfer Pricing Reports.....	7-1
STD - FTP Interest Margin Account Detail.....	7-2
STD - FTP Interest Margin Account (Org/Product, Summary).....	7-5
STD - FTP Margin Stratification.....	7-9

## Index

---

# Send Us Your Comments

## **Oracle Financial Services Reporting Administration Guide, Release 12.2**

### **Part No. E48861-01**

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document. Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Send your comments to us using the electronic mail address: [financialservices\\_ww@oracle.com](mailto:financialservices_ww@oracle.com)

Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at [www.oracle.com](http://www.oracle.com).



---

# Preface

## Intended Audience

Welcome to Release 12.2 of the *Oracle Financial Services Reporting Administration Guide*.

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- Computer desktop application usage and terminology.

If you have never used Oracle E-Business Suite, we suggest you attend one or more of the Oracle E-Business Suite training classes available through Oracle University.

See Related Information Sources on page viii for more Oracle product information.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

## Structure

### 1 Enterprise Performance Foundation (EPF) in Discoverer

This chapter gives you an overview of the Oracle Financial Services reporting architecture.

## **2 Core EPF and FTP Business Areas**

This chapter describes the core business areas of the Oracle Financial Services reporting architecture.

## **3 Managing the Core Business Areas**

This chapter tells you how to customize the core business areas and adapt them to your specific business needs.

## **4 Using the Reports**

This chapter provides an overview of the reports and describes how to run them.

## **5 Data Management Reports**

This chapter describes the reports you use to analyze the quality of your data.

## **6 Oracle Financial Services Audit Reports**

This chapter describes the reports you use to analyze data from business processes in Oracle Financial Services (OFS) applications such as Oracle Transfer Pricing.

## **7 Oracle Transfer Pricing Reports**

This chapter describes the Oracle Transfer Pricing reports and the procedure for generating and viewing them.

## **Related Information Sources**

This book is included in the Oracle E-Business Suite Documentation Library, which is supplied in the Release 12.2 Media Pack. If this guide refers you to other Oracle E-Business Suite documentation, use only the latest Release 12.2 versions of those guides.

### **Online Documentation**

All Oracle E-Business Suite documentation is available online (HTML or PDF).

- **Online Help** - Online help patches (HTML) are available on My Oracle Support.
- **PDF Documentation** - See the Oracle E-Business Suite Documentation Library for current PDF documentation for your product with each release.
- **Release Notes** - For information about changes in this release, including new features, known issues, and other details, see the release notes for the relevant product, available on My Oracle Support.
- **Oracle Electronic Technical Reference Manual** - The Oracle Electronic Technical Reference Manual (eTRM) contains database diagrams and a detailed description of database tables, forms, reports, and programs for each Oracle E-Business Suite product. This information helps you convert data from your existing applications and integrate Oracle E-Business Suite data with non-Oracle applications, and write custom reports for Oracle E-Business Suite products. The Oracle eTRM is available on My Oracle Support.

### **Related Guides**

You should have the following related books on hand. Depending on the requirements of your particular installation, you may also need additional manuals or guides.

**Oracle Alert User's Guide:**

This guide explains how to define periodic and event alerts to monitor the status of your Oracle E-Business Suite data.

**Oracle Application Framework Developer's Guide:**

This guide contains the coding standards followed by the Oracle E- Business Suite development staff to produce applications built with Oracle Application Framework. This guide is available in PDF format on My Oracle Support and as online documentation in JDeveloper 10g with Oracle Application Extension.

**Oracle Application Framework Personalization Guide:**

This guide covers the design-time and run-time aspects of personalizing applications built with Oracle Application Framework.

**Oracle Fusion Middleware Adapter for Oracle Applications User's Guide (Oracle Application Server Adapter for Oracle Applications User's Guide):**

This guide covers the use of Adapter for Oracle Applications in developing integrations between Oracle E-Business Suite and trading partners.

Please note that the user's guide can be found in the following documentation libraries:

- As part of the Oracle Fusion Middleware and SOA Suite in 11g, *Oracle Fusion Middleware Adapter for Oracle Applications User's Guide* is available in the Oracle Fusion Middleware 11g Documentation Library.
- As part of the Oracle Application Server in 10g, *Oracle Application Server Adapter for Oracle Applications User's Guide* is available in the Oracle Application Server 10g Documentation Library.

**Oracle Diagnostics Framework User's Guide:**

This manual contains information on implementing and administering diagnostics tests for Oracle E-Business Suite using the Oracle Diagnostics Framework.

**Oracle E-Business Suite Concepts:**

This book is intended for all those planning to deploy Oracle E- Business Suite Release 12.2, or contemplating significant changes to a configuration. After describing the Oracle E-Business Suite architecture and technology stack, it focuses on strategic topics, giving a broad outline of the actions needed to achieve a particular goal, plus the installation and configuration choices that may be available.

**Oracle E-Business Suite CRM System Administrator's Guide:**

This manual describes how to implement the CRM Technology Foundation (JTT) and use its System Administrator Console.

**Oracle E-Business Suite Desktop Integration Framework Developer's Guide:**

Oracle E-Business Suite Desktop Integration Framework is a development tool that lets you define custom integrators for use with Oracle Web Applications Desktop Integrator. This guide describes how to define and manage integrators and all associated supporting objects, as well as how to download and upload integrator definitions.

**Oracle E-Business Suite Developer's Guide:**

This guide contains the coding standards followed by the Oracle E- Business Suite development staff. It describes the Oracle Application Object Library components needed to implement the Oracle E-Business Suite user interface described in the *Oracle E-Business Suite User Interface Standards for Forms-Based Products*. It provides information to help you build your custom Oracle Forms Developer forms so that they integrate with Oracle E-Business Suite. In addition, this guide has information for customizations in features such as concurrent programs, flexfields, messages, and logging.

**Oracle E-Business Suite Flexfields Guide:**

This guide provides flexfields planning, setup, and reference information for the Oracle E-Business Suite implementation team, as well as for users responsible for the ongoing maintenance of Oracle E-Business Suite product data. This guide also provides information on creating custom reports on flexfields data.

**Oracle E-Business Suite Installation Guide: Using Rapid Install:**

This book is intended for use by anyone who is responsible for installing or upgrading Oracle E-Business Suite. It provides instructions for running Rapid Install either to carry out a fresh installation of Oracle E-Business Suite Release 12.2, or as part of an upgrade to Release 12.2.

**Oracle E-Business Suite Integrated SOA Gateway User's Guide:**

This guide describes the high level service enablement process, explaining how users can browse and view the integration interface definitions and services residing in Oracle Integration Repository.

**Oracle E-Business Suite Integrated SOA Gateway Implementation Guide:**

This guide explains how integration repository administrators can manage and administer the Web service activities for integration interfaces including native packaged integration interfaces, composite services (BPEL type), and custom integration interfaces. It also describes how to invoke Web services from Oracle E-Business Suite by employing the Oracle Workflow Business Event System, and how to manage Web service security, configure logs, and monitor SOAP messages.

**Oracle E-Business Suite Integrated SOA Gateway Developer's Guide:**

This guide describes how system integration developers can perform end-to-end service integration activities. These include orchestrating discrete Web services into meaningful end-to-end business processes using business process execution language (BPEL), and deploying BPEL processes at run time.

This guide also explains how to invoke Web services using the Service Invocation

Framework. This includes defining Web service invocation metadata, invoking Web services, and testing the Web service invocation.

**Oracle E-Business Suite Maintenance Guide:**

This guide contains information about the strategies, tasks, and troubleshooting activities that can be used to help ensure an Oracle E-Business Suite system keeps running smoothly, together with a comprehensive description of the relevant tools and utilities. It also describes how to patch a system, with recommendations for optimizing typical patching operations and reducing downtime.

**Oracle E-Business Suite Security Guide:**

This guide contains information on a comprehensive range of security-related topics, including access control, user management, function security, data security, and auditing. It also describes how Oracle E-Business Suite can be integrated into a single sign-on environment.

**Oracle E-Business Suite Setup Guide:**

This guide contains information on system configuration tasks that are carried out either after installation or whenever there is a significant change to the system. The activities described include defining concurrent programs and managers, enabling Oracle Applications Manager features, and setting up printers and online help.

**Oracle E-Business Suite User's Guide:**

This guide explains how to navigate, enter data, query, and run reports using the user interface (UI) of Oracle E-Business Suite. This guide also includes information on setting user profiles, as well as running and reviewing concurrent requests.

**Oracle E-Business Suite User Interface Standards for Forms-Based Products:**

This guide contains the user interface (UI) standards followed by the Oracle E-Business Suite development staff. It describes the UI for the Oracle E-Business Suite products and how to apply this UI to the design of an application built by using Oracle Forms.

**Oracle e-Commerce Gateway User's Guide:**

This guide describes the functionality of Oracle e-Commerce Gateway and the necessary setup steps in order for Oracle E-Business Suite to conduct business with trading partners through Electronic Data Interchange (EDI). It also describes how to run extract programs for outbound transactions, import programs for inbound transactions, and the relevant reports.

**Oracle e-Commerce Gateway Implementation Guide:**

This guide describes implementation details, highlighting additional setup steps needed for trading partners, code conversion, and Oracle E-Business Suite. It also provides architecture guidelines for transaction interface files, troubleshooting information, and a description of how to customize EDI transactions.

**Oracle iSetup Developer's Guide:**

This manual describes how to build, test, and deploy Oracle iSetup Framework

interfaces.

**Oracle iSetup User's Guide:**

This guide describes how to use Oracle iSetup to migrate data between different instances of the Oracle E-Business Suite and generate reports. It also includes configuration information, instance mapping, and seeded templates used for data migration.

**Oracle Report Manager User's Guide:**

Oracle Report Manager is an online report distribution system that provides a secure and centralized location to produce and manage point-in-time reports. Oracle Report Manager users can be either report producers or report consumers. Use this guide for information on setting up and using Oracle Report Manager.

**Oracle Web Applications Desktop Integrator Implementation and Administration Guide:**

Oracle Web Applications Desktop Integrator brings Oracle E-Business Suite functionality to a spreadsheet, where familiar data entry and modeling techniques can be used to complete Oracle E-Business Suite tasks. You can create formatted spreadsheets on your desktop that allow you to download, view, edit, and create Oracle E-Business Suite data, which you can then upload. This guide describes how to implement Oracle Web Applications Desktop Integrator and how to define mappings, layouts, style sheets, and other setup options.

**Oracle Workflow Administrator's Guide:**

This guide explains how to complete the setup steps necessary for any product that includes workflow-enabled processes. It also describes how to manage workflow processes and business events using Oracle Applications Manager, how to monitor the progress of runtime workflow processes, and how to administer notifications sent to workflow users.

**Oracle Workflow API Reference:**

This guide describes the APIs provided for developers and administrators to access Oracle Workflow.

**Oracle Workflow Client Installation Guide**

This guide describes how to install the Oracle Workflow Builder and Oracle XML Gateway Message Designer client components for Oracle E-Business Suite.

**Oracle Workflow Developer's Guide:**

This guide explains how to define new workflow business processes and customize existing Oracle E-Business Suite-embedded workflow processes. It also describes how to define and customize business events and event subscriptions.

**Oracle Workflow User's Guide:**

This guide describes how users can view and respond to workflow notifications and monitor the progress of their workflow processes.

**Oracle XML Gateway User's Guide:**

This guide describes Oracle XML Gateway functionality and each component of the Oracle XML Gateway architecture, including Message Designer, Oracle XML Gateway Setup, Execution Engine, Message Queues, and Oracle Transport Agent. It also explains how to use Collaboration History that records all business transactions and messages exchanged with trading partners.

The integrations with Oracle Workflow Business Event System, and the Business -to-Business transactions are also addressed in this guide.

**Oracle XML Publisher Report Designer's Guide:**

Oracle XML Publisher is a template-based reporting solution that merges XML data with templates in RTF or PDF format to produce a variety of outputs to meet a variety of business needs. Using Microsoft Word or Adobe Acrobat as the design tool, you can create pixel-perfect reports from the Oracle E-Business Suite. Use this guide to design your report layouts.

This guide is available through the Oracle E-Business Suite online help.

**Oracle XML Publisher Administration and Developer's Guide:**

Oracle XML Publisher is a template-based reporting solution that merges XML data with templates in RTF or PDF format to produce a variety of outputs to meet a variety of business needs. Outputs include: PDF, HTML, Excel, RTF, and eText (for EDI and EFT transactions). Oracle XML Publisher can be used to generate reports based on existing Oracle E-Business Suite report data, or you can use Oracle XML Publisher's data extraction engine to build your own queries. Oracle XML Publisher also provides a robust set of APIs to manage delivery of your reports via e-mail, fax, secure FTP, printer, WebDav, and more. This guide describes how to set up and administer Oracle XML Publisher as well as how to use the Application Programming Interface to build custom solutions.

This guide is available through the Oracle E-Business Suite online help.

**Oracle E-Business Suite Upgrade Guide: Release 12.0 and 12.1 to 12.2:**

This guide provides information for DBAs and Applications Specialists who are responsible for upgrading Release 12.0 and 12.1 Oracle E-Business Suite system (techstack and products) to Release 12.2. In addition to information about applying the upgrade driver, it outlines pre-upgrade steps and post-upgrade steps, and provides descriptions of product-specific functional changes and suggestions for verifying the upgrade and reducing downtime.

**Oracle E-Business Suite Multiple Organizations Implementation Guide:**

This guide describes the multiple organizations concepts in Oracle E-Business Suite. It describes in detail on setting up and working effectively with multiple organizations in Oracle E-Business Suite.

**Oracle Financials and Oracle Procurement Functional Upgrade Guide: Release 11i to Release 12:**

This guides provides detailed information about the functional impacts of upgrading Oracle Financials and Oracle Procurement products from Release 11i to Release 12. This guide supplements the *Oracle E-Business Suite Upgrade Guide:Release 12.0 and 12.1 to 12.2*.

**Oracle Financials Concepts Guide:**

This guide describes the fundamental concepts of Oracle Financials. The guide is intended to introduce readers to the concepts used in the applications, and help them compare their real world business, organization, and processes to those used in the applications.

**Oracle Financials Glossary:**

The glossary includes definitions of common terms that are shared by all Oracle Financials products. In some cases, there may be different definitions of the same term for different Financials products. If you are unsure of the meaning of a term you see in an Oracle Financials guide, please refer to the glossary for clarification. You can find the glossary in the online help or in the *Oracle Financials Implementation Guide*.

**Oracle Financials Implementation Guide:**

This guide provides information on how to implement the Oracle Financials E-Business Suite. It guides you through setting up your organizations, including legal entities, and their accounting, using the Accounting Setup Manager. It covers intercompany accounting and sequencing of accounting entries, and it provides examples.

**Oracle Advanced Global Intercompany System User's Guide:**

This guide describes the self service application pages available for Intercompany users. It includes information on setting up intercompany, entering intercompany transactions, importing transactions from external sources and generating reports.

**Oracle Advanced Collections User Guide:**

This guide describes how to use the features of Oracle Advanced Collections to manage your collections activities. It describes how collections agents and managers can use Oracle Advanced Collections to identify delinquent customers, review payment history and aging data, process payments, use strategies and dunning plans to automate the collections process, manage work assignments, and handle later-stage delinquencies.

**Oracle Advanced Collections Implementation Guide:**

This guide describes how to configure Oracle Advanced Collections and its integrated products. It contains the steps required to set up and verify your implementation of Oracle Advanced Collections.

**Oracle Assets User Guide:**

This guide provides you with information on how to implement and use Oracle Assets. Use this guide to understand the implementation steps required for application use, including defining depreciation books, depreciation method, and asset categories. It also contains information on setting up assets in the system, maintaining assets, retiring and reinstating assets, depreciation, group depreciation, accounting and tax accounting, budgeting, online inquiries, impairment processing, and Oracle Assets reporting. The

guide explains using Oracle Assets with Multiple Reporting Currencies (MRC). This guide also includes a comprehensive list of profile options that you can set to customize application behavior.

**Oracle Bill Presentment Architecture User's Guide:**

This guide provides you information on using Oracle Bill Presentment Architecture. Consult this guide to create and customize billing templates, assign a template to a rule and submit print requests. This guide also provides detailed information on page references, seeded content items and template assignment attributes.

**Oracle Cash Management User Guide:**

This guide describes how to use Oracle Cash Management to clear your receipts, as well as reconcile bank statements with your outstanding balances and transactions. This manual also explains how to effectively manage and control your cash cycle. It provides comprehensive bank reconciliation and flexible cash forecasting.

**Oracle Credit Management User Guide:**

This guide provides you with information on how to use Oracle Credit Management. This guide includes implementation steps, such as how to set up credit policies, as well as details on how to use the credit review process to derive credit recommendations that comply with your credit policies. This guide also includes detailed information about the public application programming interfaces (APIs) that you can use to extend Oracle Credit Management functionality.

**Oracle Customer Data Librarian User Guide:**

This guide describes how to use Oracle Customer Data Librarian to establish and maintain the quality of the Trading Community Architecture Registry, focusing on consolidation, cleanliness, and completeness. Oracle Customer Data Librarian has all of the features in Oracle Customers Online, and is also part of the Oracle Customer Data Management product family.

**Oracle Customer Data Librarian Implementation Guide:**

This guide describes how to implement Oracle Customer Data Librarian. As part of implementing Oracle Customer Data Librarian, you must also complete all the implementation steps for Oracle Customers Online.

**Oracle Customers Online User Guide:**

This guide describes how to use Oracle Customers Online to view, create, and maintain your customer information. Oracle Customers Online is based on Oracle Trading Community Architecture data model and functionality, and is also part of the Oracle Customer Data Management product family.

**Oracle Customers Online Implementation Guide:**

This guide describes how to implement Oracle Customers Online.

**Oracle E-Business Tax User Guide:**

This guide describes the entire process of setting up and maintaining tax configuration

data, as well as applying tax data to the transaction line. It describes the entire regime-to-rate setup flow of tax regimes, taxes, statuses, rates, recovery rates, tax jurisdictions, and tax rules. It also describes setting up and maintaining tax reporting codes, fiscal classifications, tax profiles, tax registrations, configuration options, and third party service provider subscriptions. You also use this manual to maintain migrated tax data for use with E-Business Tax.

**Oracle E-Business Tax Implementation Guide:**

This guide provides a conceptual overview of the E-Business Tax tax engine, and describes the prerequisite implementation steps to complete in other applications in order to set up and use E-Business Tax. The guide also includes extensive examples of setting up country-specific tax requirements.

**Oracle E-Business Tax Reporting Guide:**

This guide explains how to run all tax reports that make use of the E -Business Tax data extract. This includes the Tax Reporting Ledger and other core tax reports, country-specific VAT reports, and Latin Tax Engine reports.

**Oracle E-Business Tax: Vertex Q-Series and Taxware Sales/Use Tax System Implementation Guide:**

This guide explains how to setup and use the services of third party tax service providers for US Sales and Use tax. The tax service providers are Vertex Q-Series and Taxware Sales/Use Tax System. When implemented, the Oracle E-Business Tax service subscription calls one of these tax service providers to return a tax rate or amount whenever US Sales and Use tax is calculated by the Oracle E-Business Tax tax engine. This guide provides setup steps, information about day-to-day business processes, and a technical reference section.

**Oracle Embedded Data Warehouse User Guide:**

This guide describes how to use Embedded Data Warehouse reports and workbooks to analyze performance.

**Oracle Embedded Data Warehouse Implementation Guide:**

This guide describes how to implement Embedded Data Warehouse, including how to set up the intelligence areas.

**Oracle Embedded Data Warehouse Install Guide:**

This guide describes how to install Embedded Data Warehouse, including how to create database links and create the end user layer (EUL).

**Oracle Financial Accounting Hub Implementation Guide:**

This guide provides detailed implementation information that leverages the features of Oracle Subledger Accounting to generate accounting.

**Oracle Financial Services Reference Guide:**

This guide provides reference material for Oracle Financial Services applications in Release 12, such as Oracle Transfer Pricing, and includes technical details about

application use as well as general concepts, equations, and calculations.

**Oracle Financial Services Implementation Guide:**

This guide describes how to set up Oracle Financial Services applications in Release 12.

**Oracle Financial Services Reporting Administration Guide:**

This guide describes the reporting architecture of Oracle Financial Services applications in Release 12, and provides information on how to view these reports.

**Oracle Financials Country-Specific Installation Supplement:**

This guide provides general country information, such as responsibilities and report security groups, as well as any post-install steps required by some countries.

**Oracle Financials for the Americas User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the Americas region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for Asia/Pacific User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the Asia/Pacific region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for Europe User Guide:**

This guide describes functionality developed to meet specific business practices in countries belonging to the European region. Consult this user guide along with your financial product user guides to effectively use Oracle Financials in your country.

**Oracle Financials for India User's Guide:**

This guide provides information on how to use Oracle Financials for India. Use this guide to learn how to create and maintain setup related to India taxes, defaulting and calculation of taxes on transactions. This guide also includes information about accounting and reporting of taxes related to India.

**Oracle Financials for India Implementation Guide:**

This guide provides information on how to implement Oracle Financials for India. Use this guide to understand the implementation steps required for application use, including how to set up taxes, tax defaulting hierarchies, set up different tax regimes, organization and transactions.

**Oracle Financials RXi Reports Administration Tool User Guide:**

This guide describes how to use the RXi reports administration tool to design the content and layout of RXi reports. RXi reports let you order, edit, and present report information to better meet your company's reporting needs.

**Oracle General Ledger Implementation Guide:**

This guide provides information on how to implement Oracle General Ledger. Use this

guide to understand the implementation steps required for application use, including how to set up Accounting Flexfields, Accounts, and Calendars.

**Oracle General Ledger Reference Guide**

This guide provides detailed information about setting up General Ledger Profile Options and Applications Desktop Integrator (ADI) Profile Options.

**Oracle General Ledger User's Guide:**

This guide provides information on how to use Oracle General Ledger. Use this guide to learn how to create and maintain ledgers, ledger currencies, budgets, and journal entries. This guide also includes information about running financial reports.

**Oracle Incentive Compensation Implementation Guide:**

This guide provides Compensation Administrators with guidance during implementation of Oracle Incentive Compensation. The procedures are presented in the recommended order that they should be performed for successful implementation. Appendixes are included that describe system profiles, lookups, and other useful information.

**Oracle Incentive Compensation User Guide:**

This guide helps Compensation Managers, Compensation Analysts, and Plan administrators to manage Oracle Incentive Compensation on a day-to-day basis. Learn how to create and manage rules hierarchies, create compensation plans, collect transactions, calculate and pay commission, and use Sales Credit Allocation.

**Oracle Internet Expenses Implementation and Administration Guide:**

This book explains in detail how to configure Oracle Internet Expenses and describes its integration with other applications in the E-Business Suite, such as Oracle Payables and Oracle Projects. Use this guide to understand the implementation steps required for application use, including how to set up policy and rate schedules, credit card policies, audit automation, and the expenses spreadsheet. This guide also includes detailed information about the client extensions that you can use to extend Oracle Internet Expenses functionality.

**Oracle iAssets User Guide:**

This guide provides information on how to implement and use Oracle iAssets. Use this guide to understand the implementation steps required for application use, including setting up Oracle iAssets rules and related product setup steps. It explains how to define approval rules to facilitate the approval process. It also includes information on using the Oracle iAssets user interface to search for assets, create self-service transfer requests and view notifications.

**Oracle iProcurement Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle iProcurement. Oracle iProcurement enables employees to requisition items through a self-service, Web interface.

**Oracle iReceivables Implementation Guide:**

This guide provides information on how to implement Oracle iReceivables. Use this guide to understand the implementation steps required for application use, including how to set up and configure iReceivables, and how to set up the Credit Memo Request workflow. There is also a chapter that provides an overview of major features available in iReceivables.

**Oracle iSupplier Portal User Guide:**

This guide contains information on how to use Oracle iSupplier Portal to enable secure transactions between buyers and suppliers using the Internet. Using Oracle iSupplier Portal, suppliers can monitor and respond to events in the procure-to-pay cycle.

**Oracle iSupplier Portal Implementation Guide:**

This guide contains information on how to implement Oracle iSupplier Portal and enable secure transactions between buyers and suppliers using the Internet.

**Oracle Loans User Guide:**

This guide describes how to set up and use Oracle Loans. It includes information on how to create, approve, fund, amortize, bill, and service extended repayment plan and direct loans.

**Oracle Partner Management Implementation and Administration Guide:**

This guide helps Vendor administrators to set up and maintain relationships and programs in the Partner Management application. The main areas include setting up the partner and channel manager dashboards, partner setup, partner programs and enrollment, opportunity and referral management, deal registration, special pricing management, and partner fund management.

**Oracle Partner Management Vendor User Guide:**

This guide assists vendor users in using Partner Management on a daily basis. This includes interaction with the partner and channel manager dashboards, working with partners and partner programs, managing opportunities and referrals, registering deals, and working with special pricing and partner funds.

**Oracle Payables User's Guide:**

This guide describes how to use Oracle Payables to create invoices and make payments. In addition, it describes how to enter and manage suppliers, import invoices using the Payables open interface, manage purchase order and receipt matching, apply holds to invoices, and validate invoices. It contains information on managing expense reporting, procurement cards, and credit cards. This guide also explains the accounting for Payables transactions.

**Oracle Payables Implementation Guide:**

This guide provides you with information on how to implement Oracle Payables. Use this guide to understand the implementation steps required for how to set up suppliers, payments, accounting, and tax.

**Oracle Payables Reference Guide:**

This guide provides you with detailed information about the Oracle Payables open interfaces, such as the Invoice open interface, which lets you import invoices. It also includes reference information on purchase order matching and purging purchasing information.

**Oracle Payments Implementation Guide:**

This guide describes how Oracle Payments, as the central payment engine for the Oracle E-Business Suite, processes transactions, such as invoice payments from Oracle Payables, bank account transfers from Oracle Cash Management, and settlements against credit cards and bank accounts from Oracle Receivables. This guide also describes how Oracle Payments is integrated with financial institutions and payment systems for receipt and payment processing, known as funds capture and funds disbursement, respectively. Additionally, the guide explains to the implementer how to plan the implementation of Oracle Payments, how to configure it, set it up, test transactions, and how use it with external payment systems.

**Oracle Payments User's Guide:**

This guide describes how Oracle Payments, as the central payment engine for the Oracle E-Business Suite, processes transactions, such as invoice payments from Oracle Payables, bank account transfers from Oracle Cash Management, and settlements against credit cards and bank accounts from Oracle Receivables. This guide also describes to the Payment Administrator how to monitor the funds capture and funds disbursement processes, as well as how to remedy any errors that may arise.

**Oracle Procurement Buyer's Guide to Punchout and Transparent Punchout:**

This guide contains necessary information for customers implementing remote catalog content on a supplier's Web site or on Oracle Exchange.

**Oracle Procurement Contracts Online Help:**

This guide is provided as online help only from the Oracle Procurement Contracts application and includes information about creating and managing your contract terms library.

**Oracle Procurement Contracts Implementation and Administration Guide:**

This guide describes how to set up and administer Oracle Procurement Contracts. Oracle Procurement Contracts enables employees to author and maintain complex contracts through a self-service, Web interface.

**Oracle Public Sector Financials User Guide:**

This guide describes how to set up and administer Oracle Public Sector Advanced Features. It describes Encumbrance Reconciliation Reports, GASB 34/35 Asset Accounting, and Funds Available Enhancements.

**Oracle Purchasing User's Guide:**

This guide describes how to create and approve purchasing documents, including requisitions, different types of purchase orders, quotations, RFQs, and receipts. This guide also describes how to manage your supply base through agreements, sourcing

rules, and approved supplier lists. In addition, this guide explains how you can automatically create purchasing documents based on business rules through integration with Oracle Workflow technology, which automates many of the key procurement processes.

**Oracle Receivables User Guide:**

This guide provides you with information on how to use Oracle Receivables. Use this guide to learn how to create and maintain transactions and bills receivable, enter and apply receipts, enter customer information, and manage revenue. This guide also includes information about accounting in Receivables. Use the Standard Navigation Paths appendix to find out how to access each Receivables window.

**Oracle Receivables Implementation Guide:**

This guide provides you with information on how to implement Oracle Receivables. Use this guide to understand the implementation steps required for application use, including how to set up customers, transactions, receipts, accounting, tax, and collections. This guide also includes a comprehensive list of profile options that you can set to customize application behavior.

**Oracle Receivables Reference Guide:**

This guide provides you with detailed information about all public application programming interfaces (APIs) that you can use to extend Oracle Receivables functionality. This guide also describes the Oracle Receivables open interfaces, such as AutoLockbox which lets you create and apply receipts and AutoInvoice which you can use to import and validate transactions from other systems. Archiving and purging Receivables data is also discussed in this guide.

**Oracle Sourcing Implementation and Administration Guide:**

This guide contains information on how to implement Oracle Sourcing to enable participants from multiple organizations to exchange information, conduct bid and auction processes, and create and implement buying agreements. This allows professional buyers, business experts, and suppliers to participate in a more agile and accurate sourcing process.

**Oracle Subledger Accounting Implementation Guide:**

This guide provides setup information for Oracle Subledger Accounting features, including the Accounting Methods Builder. You can use the Accounting Methods Builder to create and modify the setup for subledger journal lines and application accounting definitions for Oracle subledger applications. This guide also discusses the reports available in Oracle Subledger Accounting and describes how to inquire on subledger journal entries.

**Oracle Supplier Scheduling User's Guide:**

This guide describes how you can use Oracle Supplier Scheduling to calculate and maintain planning and shipping schedules and communicate them to your suppliers.

**Oracle iProcurement Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle iProcurement. Oracle iProcurement enables employees to requisition items through a self-service, Web interface.

**Oracle Procurement Contracts Implementation and Administration Guide:**

This manual describes how to set up and administer Oracle Procurement Contracts. Oracle Procurement Contracts enables employees to author and maintain complex contracts through a self-service, Web interface.

**Oracle Trading Community Architecture User Guide:**

This guide describes the Oracle Trading Community Architecture (TCA) and how to use features from the Trading Community Manager responsibility to create, update, enrich, and cleanse the data in the TCA Registry. It also describes how to use Resource Manager to define and manage resources.

**Oracle Trading Community Architecture Administration Guide:**

This guide describes how to administer and implement Oracle Trading Community Architecture (TCA). You set up, control, and manage functionality that affects data in the TCA Registry. It also describes how to set up and use Resource Manager to manage resources.

**Oracle Trading Community Architecture Reference Guide:**

This guide contains seeded relationship types, seeded Data Quality Management data, D&B data elements, Bulk Import interface table fields and validations, and a comprehensive glossary. This guide supplements the documentation for Oracle Trading Community Architecture and all products in the Oracle Customer Data Management family.

**Oracle Trading Community Architecture Technical Implementation Guide:**

This guide explains how to use the public Oracle Trading Community Architecture application programming interfaces (APIs) and develop callouts based on Oracle Workflow Business Events System (BES). For each API, this guide provides a description of the API, the PL/SQL procedure, and the Java method, as well as a table of the parameter descriptions and validations. For each BES callout, this guide provides the name of the logical entity, its description, and the ID parameter name. Also included are setup instructions and sample code.

**Oracle U.S. Federal Financials User's Guide:**

This guide describes the common concepts for an integrated financial management solution for federal agencies to comply with the requirements of the U.S. Federal government. It describes the product architecture and provides information on Budget Execution, Prompt Payment, Treasury payments, Third party payments, Interagency transactions, Receivables management, Federal reports, CCR Integration, and Year End Closing.

**Oracle U.S. Federal Financials Implementation Guide:**

This guide describes the common concepts for an integrated financial management

solution for federal agencies. It includes a consolidated setup checklist by page and provides detailed information on how to set up, maintain, and troubleshoot the Federal Financial application for the following functional areas: Sub Ledger Accounting, Budget Execution, Prompt Payment, Treasury payments, Third party payments, Interagency transactions, Receivables management, Federal reports, CCR Integration, and Year End Closing.

## **Integration Repository**

The Oracle Integration Repository is a compilation of information about the service endpoints exposed by the Oracle E-Business Suite of applications. It provides a complete catalog of Oracle E-Business Suite's business service interfaces. The tool lets users easily discover and deploy the appropriate business service interface for integration with any system, application, or business partner.

The Oracle Integration Repository is shipped as part of the E-Business Suite. As your instance is patched, the repository is automatically updated with content appropriate for the precise revisions of interfaces in your environment.

You can navigate to the Oracle Integration Repository through Oracle E-Business Suite Integrated SOA Gateway.



# Part 1

---

## Oracle Financial Services Reporting Architecture



---

# Enterprise Performance Foundation (EPF) in Discoverer

This chapter gives you an overview of the Oracle Financial Services reporting architecture.

This chapter covers the following topics:

- Overview of the Oracle Financial Services Reporting Structure
- Data Available in the Architecture and Required Transformation
- Relationship Between EPF Data Entities and Its Presentation in the Architecture

## Overview of the Oracle Financial Services Reporting Structure

### Overview

Reports are necessary to analyze business profitability and risk management. Whether you want to perform analysis on past activities or forecast future activities, you need efficient and logical access to your data. In addition, you may need to support broad distribution, remote users, or your own custom reports. The Oracle Financial Services Applications (OFSA) reporting solution provides you with the tools to meet these needs.

The reporting solution contains a Discoverer-based architecture that presents processed data stored in Enterprise Performance Foundation (EPF) tables, as well as the seeded reports for specific reporting activity. This chapter covers:

- Features of the OFSA reporting architecture.
- Data available in the architecture and required transformation.
- Relationship between EPF Data Entities and its presentation in the architecture.

## Features of the OFSA Reporting Architecture

Most of the OFSA data is stored in the Enterprise Performance Foundation (EPF) tables. The EPF tables store process related metadata such as dimensions, hierarchies, rules, as well as the majority of the processed fact data. This data is required for OFSA reporting and thus the EPF tables must be accessible by the reporting solution.

To satisfy various reporting needs, Discoverer is the tool to provide reporting capabilities for the OFSA applications. When you use Discoverer for reporting, all reporting data needs to be represented in one or more business areas and reports are built upon them.

The OFSA reporting architecture consists of two core business areas, *EPF – Core Business Area* and *FTP - Core Business Area*, and related programs to convert some EPF data into Discoverer required format. The core EPF business area contains all necessary joins between EPF dimension members, hierarchies and fact tables to support the following activities:

- A generic and scalable platform to support out-of-the-box reports provided by individual OFSA applications.
- A foundation on which individual OFSA application can build upon to create their own business areas.
- A platform to facilitate development of custom reports.
- The seeded EPF business area can be extended to support custom changes in the EPF data model.

## Data Available in the Architecture and Required Transformation

The core EPF business area includes the following entities from EPF. Some of these entities need to go through programmatic transformation before they can be used in Discoverer for reporting.

### Dimensions

Definition information, such as dimension name and description, and all non-personal members are available in the business area. This information does not require transformation.

**Note:** For list of EPF dimensions included in the business area, see Core EPF Business Area and its Components, page 2-1.

## Dimension Hierarchies

All non-personal hierarchy structures from key OFSA dimensions are available in the business area.

**Note:** For the list of EPF dimensions whose hierarchies are represented, see Core EPF Business Area and its Components, page 2-1.

Run the Enterprise Performance Foundation Discoverer Hierarchy Transformation Engine program before you use the structures in Discoverer. This program will transform the parent-child relationships of each hierarchy into Discoverer compatible format. The transformed data supports up to twenty levels in each hierarchy.

**Note:** This program is available from the Enterprise Performance Foundation Administrator responsibility and the FTP Supervisor responsibility.

## The EPF Object Catalog and Object Definitions

The EPF object catalog, that stores information such as processing rule information, and all version information for each object, are available in the business area. This information does not require transformation.

## Data Tables

FEM data tables used by the OFSA applications are available in the business area. This information does not require transformation.

**Note:** For the list of EPF data tables represented, see Core EPF Business Area and its Components, page 2-1.

Moreover, additional calculated items, custom views linking multiple data tables, and various PL/SQL functions are available in the business area to facilitate reporting activities.

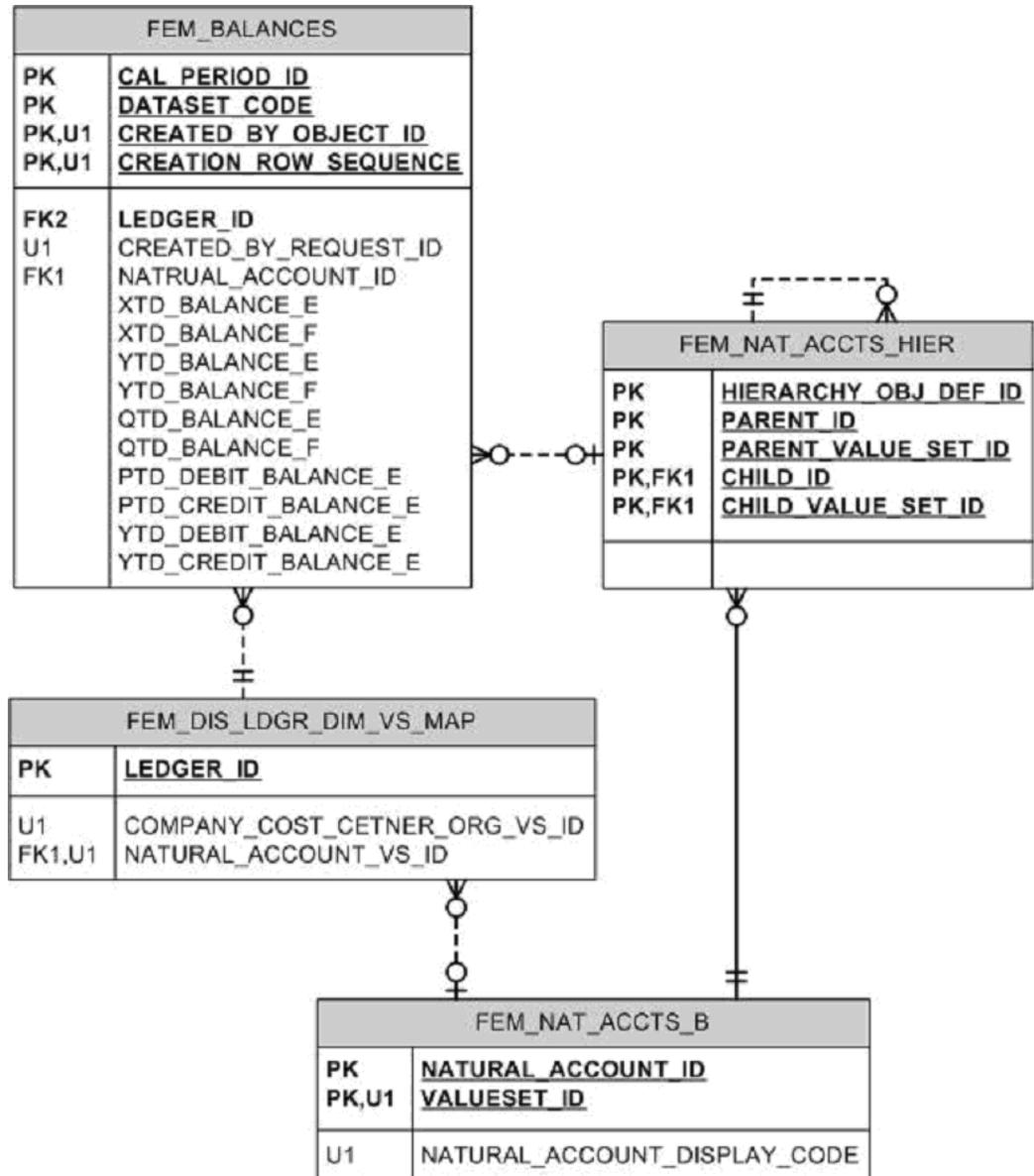
## Relationship Between EPF Data Entities and Its Presentation in the Architecture

The following physical data model represents the relationship between fact tables, dimension hierarchy tables, dimension member tables, and value set mapping views using these tables and views:

- FEM\_BALANCES

- FEM\_NAT\_ACCTS\_HIER
- FEM\_NAT\_ACCTS\_B
- FEM\_DIS\_LDGR\_DIM\_VS\_MAP

**FEM\_BALANCES Fact Table Relationships**



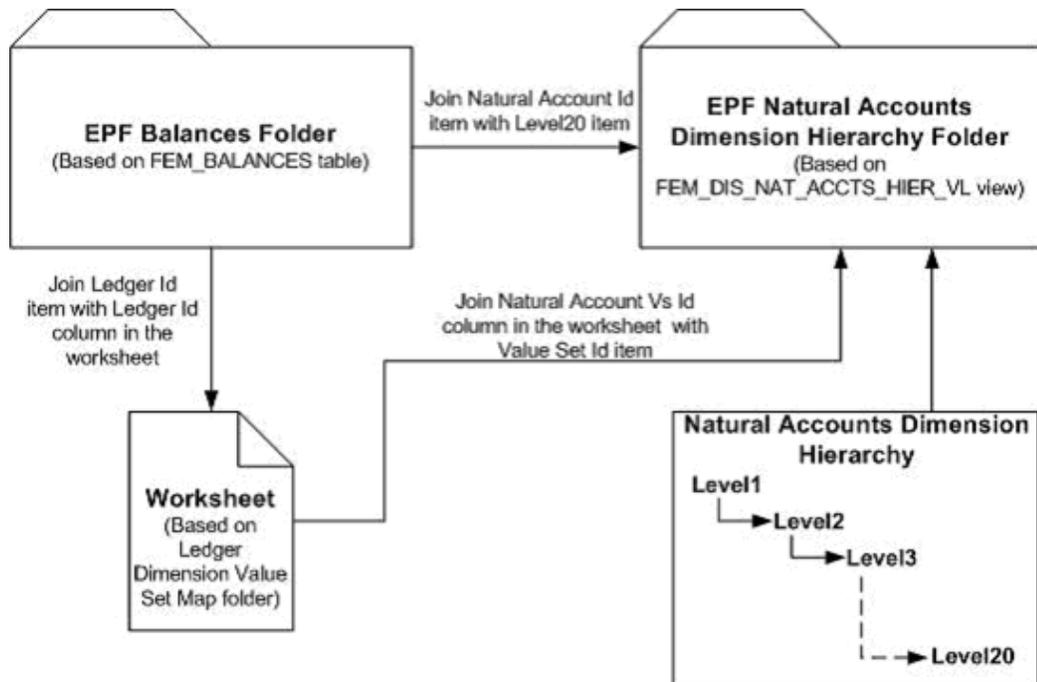
The EPF data entities are related as follows:

- FEM\_BALANCES table is joined with FEM\_NAT\_ACCTS\_HIER table using NATURAL\_ACCOUNT\_ID and CHILD\_ID columns.
- FEM\_NAT\_ACCTS\_HIER table has a recursive joining structure using CHILD\_ID and PARENT\_ID columns. Both PARENT\_ID and CHILD\_ID columns are joined with the NATURAL\_ACCOUNT\_ID column in the FEM\_NAT\_ACCTS\_HIER table.
- The FEM\_DIS\_LDGR\_DIM\_VS\_MAP view contains mapping information between ledger ID and dimension value set IDs.

- The FEM\_BALANCES table and FEM\_DIS\_LDGR\_DIM\_VS\_MAP view are joined through LEDGER\_ID.
- FEM\_DIS\_LDGR\_DIM\_VS\_MAP view NATURAL\_ACCOUNT\_VS\_ID column joins in FEM\_NAT\_ACCTS\_B table, VALUSET\_ID column.

In an Oracle Discoverer business area, each database object is represented as a folder. The figure below illustrates folder relationships in the business area based on the physical data model described in the FEM\_BALANCES fact table relationships figure.

### FEM Balances Folder Relationship



The EPF Balances folder is based on the FEM\_BALANCES table, the EPF Natural Accounts Dimension Hierarchy folder is based on the FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view, and the Dimension Value Set Map folder is based on the FEM\_DIS\_LDGR\_DIM\_VS\_MAP view.

The FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view is a hierarchy transformation view based on the FEM\_NAT\_ACCTS\_HIER table. LEVEL1 to LEVEL20 columns in FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view represent hierarchy levels 1 through 20.

The EPF Balances and the EPF Natural Accounts Dimension Hierarchy folders are joined with the Natural Account ID item from the EPF Balances folder and the Level20 ID item from the EPF Natural Accounts Dimension Hierarchy folder.

The Dimension Value Set Map folder contains mapping information between ledger ID and dimension value set IDs. The mapping information is used to join the fact folder (EPF Balances) and the dimension hierarchy folder (EPF Natural Accounts Dimension Hierarchy folder) using value set IDs. The mapping information is also used to join fact

folders and dimension member folders. Since the Discoverer Workbook does not allow pulling data if joins exist on all three folders (fact folder, dimension hierarchy folder, and the mapping folder), a workbook condition is used. The workbook condition uses a worksheet that is based on a Dimension Value Set Map folder to create the additional joins.

This folder relationship represents all facts tables with dimension hierarchy tables and dimension member table relationships in the business area.

If you add new columns to seeded fact tables or add new tables, you must manually add items for the new columns or create folders for the new tables using Discoverer Administration Edition. See:

- How to add items to an item class, *Oracle Business Intelligence Discoverer Administration Guide*.
- What are folders?, *Oracle Business Intelligence Discoverer Administration Guide*.
- How to create simple folders from the database, *Oracle Business Intelligence Discoverer Administration Guide*.
- How to create complex folders, *Oracle Business Intelligence Discoverer Administration Guide*.
- How to create custom folders, *Oracle Business Intelligence Discoverer Administration Guide*.

The item names for the fact table folders are based on the seeded FEM configuration. If you change these names in FEM, you must manually make the changes in Discoverer Administrator.



---

## Core EPF and FTP Business Areas

This chapter describes the core business areas of the Oracle Financial Services reporting architecture.

This chapter covers the following topics:

- Core EPF Business Area and its Components
- Core FTP Business Area

### Core EPF Business Area and its Components

The core EPF business area is called *EPF – Core Business Area* and can be accessed by the system administrator with the help of the Discoverer Administration tool. The business area consists of:

- Simple folders representing metadata information, data tables, dimension members.
- Custom folders representing views that link multiple data tables.
- Calculated items and registered PL/SQL functions.

Details of the EPF business area folders are documented in the following tables.

### Ledger Balances Folders

The following table describes the Ledger Balances folders.

Source Table	Folder Type	Folder Name
FEM_BALANCES	Simple Folder	EPF Balances

## Account Folders

The following table describes the Account folders.

Source Table	Folder Type	Folder Name
FEM_CHECKING	Simple Folder	EPF Checking Accounts
FEM_CONSUMER_LOANS	Simple Folder	EPF Consumer Loans
FEM_CREDIT_LINES	Simple Folder	EPF Credit Lines
FEM_COMMERCIAL_LOANS	Simple Folder	EPF Commercial Loans
FEM_INVESTMENTS	Simple Folder	EPF Investments
FEM_LEASES	Simple Folder	EPF Leases
FEM_MORTGAGES	Simple Folder	EPF Mortgages
FEM_MORTGAGE_BACK_SEC	Simple Folder	EPF Mortgage-Backed Securities
FEM_RETIREMENT_ACCOUNTS	Simple Folder	EPF Retirement Accounts
FEM_SAVINGS	Simple Folder	EPF Savings
FEM_TERM_DEPOSITS	Simple Folder	EPF Term Deposits
FEM_WHOLESALE_FUNDING	Simple Folder	EPF Wholesale Funding
FEM_CREDIT_CARDS	Simple Folder	EPF Credit Cards
FEM_OFF_BALANCE_SHEET	Simple Folder	EPF Off Balance Sheet

## Other Account Folders

The following table describes the Other Account folders.

Source Table	Folder Type	Folder Name
FEM_MERCHANT_CARDS	Simple Folder	EPF Merchant Cards
FEM_OTHER_SERVICES	Simple Folder	EPF Other Services
FEM_TRUSTS	Simple Folder	EPF Trusts

## Account Folder Union's

The following table describes the Account Folder Union's folders.

Source Table	Folder Type	Folder Name
FEM_ALL_ACCOUNT_TABLES	Custom Folder	EPF All Account Tables
FEM_RECONCILIATION	Custom Folder	EPF Reconciliation

## Customer Profitability Folders

The following table describes the Customer Profitability folders.

Source Table	Folder Type	Folder Name
FEM_CUSTOMER_PROFIT	Simple Folder	EPF Customer Profit
FEM_CUSTOMER_DETAIL	Simple Folder	EPF Customer Detail
FEM_SECONDARY_OWNERS	Simple Folder	EPF Secondary Owners
FEM_REGION_INFO	Simple Folder	EPF Region Information

## Dimension Folders

The following table describes the Dimension folders.

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_DIMENSIONS_VL	Simple Folder	EPF Dimensions
FEM_HIERARCHIES	Simple Folder	EPF Hierarchies
FEM_OBJECT_CATALOG_VL	Simple Folder	EPF Object Catalog
FEM_OBJECT_DEFINITION_VL	Simple Folder	EPF Object Definition
FEM_CCTR_ORGS_VL	Simple Folder	EPF Company Cost Center Organizations
FEM_PRODUCTS_VL	Simple Folder	EPF Products
FEM_LN_ITEMS_VL	Simple Folder	EPF Line Items
FEM_NAT_ACCTS_VL	Simple Folder	EPF Natural Accounts
FEM_CAL_PERIODS_VL	Simple Folder	EPF Calendar Periods
FEM_CHANNELS_VL	Simple Folder	EPF Channels
FEM_CUSTOMERS_VL	Simple Folder	EPF Customers
FEM_ENTITIES_VL	Simple Folder	EPF Entities
FEM_LEDGERS_VL	Simple Folder	EPF Ledgers
FEM_TASKS_VL	Simple Folder	EPF Tasks
FEM_PROJECTS_VL	Simple Folder	EPF Projects
FEM_GEOGRAPHY_VL	Simple Folder	EPF Geography
FEM_MKT_SEGMNTS_VL	Simple Folder	EPF Market Segments
FEM_USER_DIM1_VL	Simple Folder	EPF User Dimension01
FEM_USER_DIM2_VL	Simple Folder	EPF User Dimension02
FEM_USER_DIM3_VL	Simple Folder	EPF User Dimension03

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_USER_DIM4_VL	Simple Folder	EPF User Dimension04
FEM_USER_DIM5_VL	Simple Folder	EPF User Dimension05
FEM_USER_DIM6_VL	Simple Folder	EPF User Dimension06
FEM_USER_DIM7_VL	Simple Folder	EPF User Dimension07
FEM_USER_DIM8_VL	Simple Folder	EPF User Dimension08
FEM_USER_DIM9_VL	Simple Folder	EPF User Dimension09
FEM_USER_DIM10_VL	Simple Folder	EPF User Dimension10
FEM_ACCRUAL_BASIS_VL	Simple Folder	EPF Accrual Basis
FEM_BRANCHES_VL	Simple Folder	EPF Branches
FEM_CURRENCIES_VL	Simple Folder	EPF Currencies
FEM_DATASETS_VL	Simple Folder	EPF Datasets
FEM_OVRDRFT_PRT_VL	Simple Folder	EPF Overdraft Protections
FEM_OUTINFO_SRC_VL	Simple Folder	EPF Outside Information Sources
FEM_PRODUCT_TYPES_VL	Simple Folder	EPF Product Types
FEM_RSN_CLOSED_VL	Simple Folder	EPF Reason Closed
FEM_SERV_SRC_VL	Simple Folder	EPF Service Sources
FEM_SIC_VL	Simple Folder	EPF Standard Industrial Classification
FEM_SOURCE_SYSTEMS_VL	Simple Folder	EPF Source Systems
FEM_ACCDH_INSCO_VL	Simple Folder	EPF Accident Health Insurance Company
FEM_APAYINST_TYPES_VL	Simple Folder	EPF Autopay Instrument Types

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_COLLATERAL_VL	Simple Folder	EPF Collateral
FEM_CREDIT_STATUS_VL	Simple Folder	EPF Credit Status
FEM_CRDLF_INSCO_VL	Simple Folder	EPF Credit Life Insurance Company
FEM_DIR_INDIRECT_VL	Simple Folder	EPF Direct Indirect
FEM_EXIST_BORWR_VL	Simple Folder	EPF Existing Borrowers
FEM_PLEDG_STAT_VL	Simple Folder	EPF Pledged Status
FEM_PAYMNT_TYPES_VL	Simple Folder	EPF Payment Types
FEM_PURPOSES_VL	Simple Folder	EPF Purposes
FEM_SCHOOLS_VL	Simple Folder	EPF Schools
FEM_STUDSCHL_YR_VL	Simple Folder	EPF Student Year In School
FEM_ANNUAL_FEES_VL	Simple Folder	EPF Annual Fees
FEM_APP_ANALYSTS_VL	Simple Folder	EPF Application Analysts
FEM_APPOVR_RSN_VL	Simple Folder	EPF Application Override Reasons
FEM_CHGOFF_RSN_VL	Simple Folder	EPF Charge off Reasons
FEM_PAYMNT_HIST_VL	Simple Folder	EPF Payment History
FEM_PAY_AHEAD_VL	Simple Folder	EPF Pay Ahead
FEM_FIN_ELEMS_VL	Simple Folder	EPF Financial Elements
FEM_COMMIT_TYPES_VL	Simple Folder	EPF Commitment Types
FEM_CREDIT_RATINGS_VL	Simple Folder	EPF Credit Ratings
FEM_FIDAGRMENTS_VL	Simple Folder	EPF Fiduciary Agreements

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_HELD_SALE_VL	Simple Folder	EPF Held for Sale
FEM_INTDIV_OPTN_VL	Simple Folder	EPF Interest Dividends Option
FEM_INVEST_TYPES_VL	Simple Folder	EPF Investor Types
FEM_JOINT_AGRMNTS_VL	Simple Folder	EPF Joint Agreements
FEM_MRGN_AGRMNTS_VL	Simple Folder	EPF Margin Agreements
FEM_LIEN_POS_VL	Simple Folder	EPF Lien Position
FEM_OCCUPANCIES_VL	Simple Folder	EPF Occupancies
FEM_AGENCIES_VL	Simple Folder	EPF Agencies
FEM_PROPTYPES_VL	Simple Folder	EPF Property Types
FEM_CMO_TRANCHE_VL	Simple Folder	EPF Collateralized Mortgage Obligation Tranche
FEM_DISBACCT_TYPES_VL	Simple Folder	EPF Disbursement Account Types
FEM_DISBMTHDS_VL	Simple Folder	EPF Disbursement Methods
FEM_FUNDING_TYPES_VL	Simple Folder	EPF Funding Types
FEM_FUNDSTATUS_VL	Simple Folder	EPF Funding Status
FEM_INTPAYMTHDS_VL	Simple Folder	EPF Interest Payment Methods
FEM_PLANS_VL	Simple Folder	EPF Plans
FEM_DRDPACCT_TYPES_VL	Simple Folder	EPF Direct Deposit Account Types
FEM_ROLLOVER_FAC_VL	Simple Folder	EPF Rollover Facilities
FEM_PUT_CALLS_VL	Simple Folder	EPF Put Calls
FEM_AGENCY_BNKS_VL	Simple Folder	EPF Agent Banks

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_SERV_AGENTS_VL	Simple Folder	EPF Servicing Agents
FEM_SOLICIT_SRC_VL	Simple Folder	EPF Solicitation Source
FEM_CORPAGRMNTS_VL	Simple Folder	EPF Corporate Agreements
FEM_DATA_AGGS_VL	Simple Folder	EPF Data Aggregation Types
FEM_AGE_SEG_CD_VL	Simple Folder	EPF Age Segment Codes
FEM_BUS_TYPE_CD_VL	Simple Folder	EPF Business Type Codes
FEM_CARRIER_RTE_VL	Simple Folder	EPF Carrier Route
FEM_CENSUS_BLK_VL	Simple Folder	EPF Census Block
FEM_CENSUS_CNTY_VL	Simple Folder	EPF Census County
FEM_CENSUS_STT_VL	Simple Folder	EPF Census State
FEM_CENSUS_TRC_VL	Simple Folder	EPF Census Tract
FEM_CRED_BUR_CD_VL	Simple Folder	EPF Credit Bureau Codes
FEM_CRED_CRD_CD_VL	Simple Folder	EPF Credit Card Codes
FEM_EDUC_LEVELS_VL	Simple Folder	EPF Education Levels
FEM_INC_CLAS_CD_VL	Simple Folder	EPF Income Class Codes
FEM_INC_SRC_CD_VL	Simple Folder	EPF Income Source Codes
FEM_LOB_CD_VL	Simple Folder	EPF Line of Business Codes
FEM_MARITAL_STS_VL	Simple Folder	EPF Marital Status
FEM_OCCUPATIONS_VL	Simple Folder	EPF Occupations
FEM_RES_TYPE_CD_VL	Simple Folder	EPF Residence Type Codes

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FEM_TELEMRKT_CD_VL	Simple Folder	EPF Telemarket Codes
FEM_VEH_TYPE_CD_VL	Simple Folder	EPF Vehicle Type Codes
FEM_ACTIVITIES	Simple Folder	EPF Activities
FEM_COST_OBJECTS	Simple Folder	EPF Cost Objects
FEM_CURRTYPES_VL	Simple Folder	EPF Currency Types
FEM_ISSUERS_VL	Simple Folder	EPF Issuers
FEM_LIQ_CLASSES_VL	Simple Folder	EPF Liquidity Classes
FEM_ADVICE_TYPES_VL	Simple Folder	EPF Advice Types
FEM_AUTHDEV_TYPES_VL	Simple Folder	EPF Authorization Device Types
FEM_BILLMETHODS_VL	Simple Folder	EPF Billing Methods
FEM_DEPOSIT_TYPES_VL	Simple Folder	EPF Deposit Types
FEM_MERCH_CHAINS_VL	Simple Folder	EPF Merchant Chains
FEM_MERCH_CLASSES_VL	Simple Folder	EPF Merchant Classes
FEM_OWNERSHP_TYPES_VL	Simple Folder	EPF Ownership Types
FEM_SACCTSRV_TYPES_VL	Simple Folder	EPF Settlement Account Service Types
FEM_EXCEPTIONS_VL	Simple Folder	EPF Exceptions
FEM_PRNT_SERVCES_VL	Simple Folder	EPF Parent Services
FEM_SERV_OPTN_VL	Simple Folder	EPF Service Options
FEM_RELATION_TYPES_VL	Simple Folder	EPF Relationship Types
FEM_BUS_REL_VL	Simple Folder	EPF Business Relationships

Source Table	Folder Type	Folder Name
FEM_ACCT_OWNSHP_VL	Simple Folder	EPF Account Ownership
FEM_GOV_ID_NUMS_VL	Simple Folder	EPF Government Id Numbers

## Hierarchy Folders

The following table describes the Hierarchy folders.

Source Table	Folder Type	Folder Name
FEM_DIS_LDGR_DIM_VS_MAP	Simple Folder	EPF Ledger and Dimension Value Set Mapping
FEM_DIS_CCTR_ORGS_HIER_VL	Simple Folder	Company Cost Center Organizations Dimension Hierarchy
FEM_DIS_NAT_ACCTS_HIER_VL	Simple Folder	Natural Accounts Dimension Hierarchy
FEM_DIS_LN_ITEMS_HIER_VL	Simple Folder	Line Items Dimension Hierarchy
FEM_DIS_CAL_PER_HIER_VL	Simple Folder	Calendar Periods Dimension Hierarchy
FEM_DIS_CHANNELS_HIER_VL	Simple Folder	Channels Dimension Hierarchy
FEM_DIS_COMPANIES_HIER_VL	Simple Folder	Companies Dimension Hierarchy
FEM_DIS_CST_CNTRS_HIER_VL	Simple Folder	Cost Centers Dimension Hierarchy
FEM_DIS_CUSTOMERS_HIER_VL	Simple Folder	Customers Dimension Hierarchy
FEM_DIS_ENTITIES_HIER_VL	Simple Folder	Entities Dimension Hierarchy
FEM_DIS_GEOGRAPHY_HIER_VL	Simple Folder	Geography Dimension Hierarchy
FEM_DIS_PRD_TYPES_HIER_VL	Simple Folder	Product Types Dimension Hierarchy
FEM_DIS_PRODUCTS_HIER_VL	Simple Folder	Products Dimension Hierarchy
FEM_DIS_PROJECTS_HIER_VL	Simple Folder	Projects Dimension Hierarchy

Source Table	Folder Type	Folder Name
FEM_DIS_SIC_HIER_VL	Simple Folder	Standard Industrial Classification Dimension Hierarchy
FEM_DIS_TASKS_HIER_VL	Simple Folder	Tasks Dimension Hierarchy
FEM_DIS_USR_DIM1_HIER_VL	Simple Folder	User Dimension01 Dimension Hierarchy
FEM_DIS_USR_DIM2_HIER_VL	Simple Folder	User Dimension02 Dimension Hierarchy
FEM_DIS_USR_DIM3_HIER_VL	Simple Folder	User Dimension03 Dimension Hierarchy
FEM_DIS_USR_DIM4_HIER_VL	Simple Folder	User Dimension04 Dimension Hierarchy
FEM_DIS_USR_DIM5_HIER_VL	Simple Folder	User Dimension05 Dimension Hierarchy
FEM_DIS_USR_DIM6_HIER_VL	Simple Folder	User Dimension06 Dimension Hierarchy
FEM_DIS_USR_DIM7_HIER_VL	Simple Folder	User Dimension07 Dimension Hierarchy
FEM_DIS_USR_DIM8_HIER_VL	Simple Folder	User Dimension08 Dimension Hierarchy
FEM_DIS_USR_DIM9_HIER_VL	Simple Folder	User Dimension09 Dimension Hierarchy
FEM_DIS_USR_DIM10_HIER_VL	Simple Folder	User Dimension10 Dimension Hierarchy

## Related Topics

[Core FTP Business Area, page 2-38](#)

## Data Folders

Each data folder corresponds to an EPF fact table and contains items that represent columns in the table. For example, the following table displays the list of items in the EPF Balances folder.

Name	Type	Identifier	Database Column
Dataset	Number	DATASET_CODE	DATASET_CODE

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Calendar Period	Number	CAL_PERIOD_ID	CAL_PERIOD_ID
Creation Row Sequence	Number	CREATION_ROW_SEQUENCE	CREATION_ROW_SEQUENCE
Source System	Number	SOURCE_SYSTEM_CODE	SOURCE_SYSTEM_CODE
Ledger	Number	LEDGER_ID	LEDGER_ID
Company Cost Center Organization	Number	COMPANY_COST_CENTER_ORG_ID	COMPANY_COST_CENTER_ORG_ID
Currency	Varchar	CURRENCY_CODE	CURRENCY_CODE
Currency Type Code	Varchar	CURRENCY_TYPE_CODE	CURRENCY_TYPE_CODE
Activity	Number	ACTIVITY_ID	ACTIVITY_ID
Cost Object	Number	COST_OBJECT_ID	COST_OBJECT_ID
Financial Element	Number	FINANCIAL_ELEM_ID	FINANCIAL_ELEM_ID
Product	Number	PRODUCT_ID	PRODUCT_ID
Natural Account	Number	NATURAL_ACCOUNT_ID	NATURAL_ACCOUNT_ID
Channel	Number	CHANNEL_ID	CHANNEL_ID
Line Item	Number	LINE_ITEM_ID	LINE_ITEM_ID
Project	Number	PROJECT_ID	PROJECT_ID
Customer	Number	CUSTOMER_ID	CUSTOMER_ID
Entity	Number	ENTITY_ID	ENTITY_ID
Intercompany	Number	INTERCOMPANY_ID	INTERCOMPANY_ID
Task	Number	TASK_ID	TASK_ID
User Dimension01	Number	USER_DIM1_ID	USER_DIM1_ID

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
User Dimension02	Number	USER_DIM2_ID	USER_DIM2_ID
User Dimension03	Number	USER_DIM3_ID	USER_DIM3_ID
User Dimension04	Number	USER_DIM4_ID	USER_DIM4_ID
User Dimension05	Number	USER_DIM5_ID	USER_DIM5_ID
User Dimension06	Number	USER_DIM6_ID	USER_DIM6_ID
User Dimension07	Number	USER_DIM7_ID	USER_DIM7_ID
User Dimension08	Number	USER_DIM8_ID	USER_DIM8_ID
User Dimension09	Number	USER_DIM9_ID	USER_DIM9_ID
User Dimension10	Number	USER_DIM10_ID	USER_DIM10_ID
Created By Request	Number	CREATED_BY_REQUEST_ID	CREATED_BY_REQUEST_ID
Created By Object	Number	CREATED_BY_OBJECT_ID	CREATED_BY_OBJECT_ID
Last Updated By Request	Number	LAST_UPDATED_BY_REQUEST_ID	LAST_UPDATED_BY_REQUEST_ID
Last Updated By Object	Number	LAST_UPDATED_BY_OBJECT_ID	LAST_UPDATED_BY_OBJECT_ID
Period to Date Balance Entered	Number	XTD_BALANCE_E	XTD_BALANCE_E
Period to Date Balance Functional	Number	XTD_BALANCE_F	XTD_BALANCE_F
Year to Date Balance Entered	Number	YTD_BALANCE_E	YTD_BALANCE_E
Year to Date Balance Functional	Number	YTD_BALANCE_F	YTD_BALANCE_F

Name	Type	Identifier	Database Column
Quarter to Date Balance Entered	Number	QTD_BALANCE_E	QTD_BALANCE_E
Quarter to Date Balance Functional	Number	QTD_BALANCE_F	QTD_BALANCE_F
Period to Date Debit Balance Entered	Number	PTD_DEBIT_BALANCE_E	PTD_DEBIT_BALANCE_E
Period to Date Credit Balance Entered	Number	PTD_CREDIT_BALANCE_E	PTD_CREDIT_BALANCE_E
Year to Date Credit Balance Entered	Number	YTD_DEBIT_BALANCE_E	YTD_DEBIT_BALANCE_E
Year to Date Debit Balance Entered	Number	YTD_CREDIT_BALANCE_E	YTD_CREDIT_BALANCE_E

You can use the Discoverer Administrator tool to examine the details of each data folder.

## Joins in Data Folders

Each data folder contains items that represent the internal dimension member IDs. To create report on this data, joins are created between these items and the corresponding dimension member folders. The table below shows all the joins within the EPF Balances folder. Join relationships for other data folders are similar.

Name	Master Folder	Description	Join Relationship
Calendar Periods Dimension Hierarchy -> EPF Balances	Calendar Periods Dimension Hierarchy	Join between Calendar Periods Dimension Hierarchy.Level20 id and EPF Balances.Calendar Period	One to Many (1:n)
Channels Dimension Hierarchy -> EPF Balances	Channels Dimension Hierarchy	Join between Channels Dimension Hierarchy.Level20 id and EPF Balances.Channel	One to Many (1:n)

<b>Name</b>	<b>Master Folder</b>	<b>Description</b>	<b>Join Relationship</b>
Company Cost Center Organizations Dimension Hierarchy -> EPF Balances	Company Cost Center Organizations Dimension Hierarchy	Join between Company Cost Center Organizations Dimension Hierarchy.Level20 Id and EPF Balances.Company Cost Center Organization	One to Many (1:n)
Customers Dimension Hierarchy -> EPF Balances	Customers Dimension Hierarchy	Join between Customers Dimension Hierarchy.Level20 id and EPF Balances.Customer	One to Many (1:n)
EPF Channels -> EPF Balances	EPF Channels	Join between EPF Channels.Channel Id and EPF Balances.Channel	One to Many (1:n)
Entities Dimension Hierarchy -> EPF Balances	Entities Dimension Hierarchy	Join between Entities Dimension Hierarchy.Level20 id and EPF Balances.Entity	One to Many (1:n)
EPF Activities -> EPF Balances	EPF Activities	Join between EPF Activities.Activity Id and EPF Balances.Activity	One to Many (1:n)
EPF Calendar Periods -> EPF Balances	EPF Calendar Periods	Join between EPF Calendar Periods.Cal Period Id and EPF Balances.Calendar Period	One to Many (1:n)
EPF Company Cost Center Organizations -> EPF Balances	EPF Company Cost Center Organizations	Join between EPF Company Cost Center Organizations.Company Cost Center Org Id and EPF Balances.Company Cost Center Organization	One to Many (1:n)
EPF Company Cost Center Organizations -> EPF Balances (Intercompany)	EPF Company Cost Center Organizations	Join between EPF Company Cost Center Organizations.Company Cost Center Org Id and EPF Balances.Intercompany	One to Many (1:n)
EPF Cost Objects -> EPF Balances	EPF Cost Objects	Join between EPF Cost Objects.Cost object id and EPF Balances.Cost Object	One to Many (1:n)

<b>Name</b>	<b>Master Folder</b>	<b>Description</b>	<b>Join Relationship</b>
EPF Currencies -> EPF Balances	EPF Currencies	Join between EPF Currencies.Currency code and EPF Balances.Currency	One to Many (1:n)
EPF Currency Types -> EPF Balances	EPF Currency Types	Join between EPF Currency Types.Currency type code and EPF Balances.Currency Type Code	One to Many (1:n)
EPF Customers -> EPF Balances	EPF Customers	Join between EPF Customers.Customer Id and EPF Balances.Customer	One to Many (1:n)
EPF Datasets -> EPF Balances	EPF Datasets	Join between EPF Datasets.Dataset code and EPF Balances.Dataset	One to Many (1:n)
EPF Entities -> EPF Balances	EPF Entities	Join between EPF Entities.Entity Id and EPF Balances.Entity	One to Many (1:n)
EPF Financial Elements -> EPF Balances	EPF Financial Elements	Join between EPF Financial Elements.Financial elem id and EPF Balances.Financial Element	One to Many (1:n)
EPF Ledgers -> EPF Balances	EPF Ledgers	Join between EPF Ledgers.Ledger Id and EPF Balances.Ledger	One to Many (1:n)
EPF Line Items -> EPF Balances	EPF Line Items	Join between EPF Line Items.Line Item Id and EPF Balances.Line Item	One to Many (1:n)
EPF Natural Accounts -> EPF Balances	EPF Natural Accounts	Join between EPF Natural Accounts.Natural Account Id and EPF Balances.Natural Account	One to Many (1:n)
EPF Products -> EPF Balances	EPF Products	Join between EPF Products.Product Id and EPF Balances.Product	One to Many (1:n)

<b>Name</b>	<b>Master Folder</b>	<b>Description</b>	<b>Join Relationship</b>
EPF Projects -> EPF Balances	EPF Projects	Join between EPF Projects.Project Id and EPF Balances.Project	One to Many (1:n)
EPF Source Systems -> EPF Balances	EPF Source Systems	Join between EPF Source Systems.Source system code and EPF Balances.Source System	One to Many (1:n)
EPF Tasks -> EPF Balances	EPF Tasks	Join between EPF Tasks.Task Id and EPF Balances.Task	One to Many (1:n)
EPF User Dimension01 -> EPF Balances	EPF User Dimension01	Join between EPF User Dimension01.User Dim1 Id and EPF Balances.User Dimension01	One to Many (1:n)
EPF User Dimension02 -> EPF Balances	EPF User Dimension02	Join between EPF User Dimension02 .User Dim2 Id and EPF Balances.User Dimension02	One to Many (1:n)
EPF User Dimension03 -> EPF Balances	EPF User Dimension03	Join between EPF User Dimension03.User Dim3 Id and EPF Balances.User Dimension03	One to Many (1:n)
EPF User Dimension04 -> EPF Balances	EPF User Dimension04	Join between EPF User Dimension04.User Dim4 Id and EPF Balances.User Dimension04	One to Many (1:n)
EPF User Dimension05 -> EPF Balances	EPF User Dimension05	Join between EPF User Dimension05.User Dim5 Id and EPF Balances.User Dimension05	One to Many (1:n)
EPF User Dimension06 -> EPF Balances	EPF User Dimension06	Join between EPF User Dimension06.User Dim6 Id and EPF Balances.User Dimension06	One to Many (1:n)

<b>Name</b>	<b>Master Folder</b>	<b>Description</b>	<b>Join Relationship</b>
EPF User Dimension07 -> EPF Balances	EPF User Dimension07	Join between EPF User Dimension07.User Dim7 Id and EPF Balances.User Dimension07	One to Many (1:n)
EPF User Dimension08 -> EPF Balances	EPF User Dimension08	Join between EPF User Dimension08.User Dim8 Id and EPF Balances.User Dimension08	One to Many (1:n)
EPF User Dimension09 -> EPF Balances	EPF User Dimension09	Join between EPF User Dimension09.User Dim9 Id and EPF Balances.User Dimension09	One to Many (1:n)
EPF User Dimension10 -> EPF Balances	EPF User Dimension10	Join between EPF User Dimension10.User Dim10 Id and EPF Balances.User Dimension10	One to Many (1:n)
Line Items Dimension Hierarchy -> EPF Balances	Line Items Dimension Hierarchy	Join between Line Items Dimension Hierarchy.Level20 id and EPF Balances.Line Item	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Balances	Natural Accounts Dimension Hierarchy	Join between Natural Accounts Dimension Hierarchy.Level20 id and EPF Balances.Natural Account	One to Many (1:n)
Products Dimension Hierarchy -> EPF Balances	Products Dimension Hierarchy	Join between Products Dimension Hierarchy.Level20 id and EPF Balances.Product	One to Many (1:n)
Projects Dimension Hierarchy -> EPF Balances	Projects Dimension Hierarchy	Join between Projects Dimension Hierarchy.Level20 id and EPF Balances.Project	One to Many (1:n)
Tasks Dimension Hierarchy -> EPF Balances	Tasks Dimension Hierarchy	Join between Tasks Dimension Hierarchy.Level20 id and EPF Balances.Task	One to Many (1:n)

<b>Name</b>	<b>Master Folder</b>	<b>Description</b>	<b>Join Relationship</b>
User Dimension01 Dimension Hierarchy -> EPF Balances	User Dimension01 Dimension Hierarchy	Join between User Dimension01 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension01	One to Many (1:n)
User Dimension02 Dimension Hierarchy -> EPF Balances	User Dimension02 Dimension Hierarchy	Join between User Dimension02 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension02	One to Many (1:n)
User Dimension03 Dimension Hierarchy -> EPF Balances	User Dimension03 Dimension Hierarchy	Join between User Dimension03 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension03	One to Many (1:n)
User Dimension04 Dimension Hierarchy -> EPF Balances	User Dimension04 Dimension Hierarchy	Join between User Dimension04 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension04	One to Many (1:n)
User Dimension05 Dimension Hierarchy -> EPF Balances	User Dimension05 Dimension Hierarchy	Join between User Dimension05 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension05	One to Many (1:n)
User Dimension06 Dimension Hierarchy -> EPF Balances	User Dimension06 Dimension Hierarchy	Join between User Dimension06 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension06	One to Many (1:n)
User Dimension07 Dimension Hierarchy -> EPF Balances	User Dimension07 Dimension Hierarchy	Join between User Dimension07 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension07	One to Many (1:n)
User Dimension08 Dimension Hierarchy -> EPF Balances	User Dimension08 Dimension Hierarchy	Join between User Dimension08 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension08	One to Many (1:n)
User Dimension09 Dimension Hierarchy -> EPF Balances	User Dimension09 Dimension Hierarchy	Join between User Dimension09 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension09	One to Many (1:n)

Name	Master Folder	Description	Join Relationship
User Dimension10 Dimension Hierarchy -> EPF Balances	User Dimension10 Dimension Hierarchy	Join between User Dimension10 Dimension Hierarchy.Level20 id and EPF Balances.User Dimension10	One to Many (1:n)

## Hierarchy Folders

Each hierarchy folder contains the hierarchy definition information and up to twenty levels of parent-child relationships. Within each level, the internal dimension member ID, member display code, member name and description are available. The table below shows all the items in the Natural Accounts Dimension Hierarchy folder. All other hierarchy folders have identical structure.

Name	Type	Identifier	Database Column
Row id	Varchar	ROW_ID	ROW_ID
Object id	Number	OBJECT_ID	OBJECT_ID
Object definition id	Number	OBJECT_DEFINITION_ID	OBJECT_DEFINITION_ID
Value set id	Number	VALUE_SET_ID	VALUE_SET_ID
Natural Account ID (Level1)	Number	LEVEL1_ID	LEVEL1_ID
Natural Account ID (Level2)	Number	LEVEL2_ID	LEVEL2_ID
Natural Account ID (Level3)	Number	LEVEL3_ID	LEVEL3_ID
Natural Account ID (Level4)	Number	LEVEL4_ID	LEVEL4_ID
Natural Account ID (Level5)	Number	LEVEL5_ID	LEVEL5_ID
Natural Account ID (Level6)	Number	LEVEL6_ID	LEVEL6_ID

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account ID (Level7)	Number	LEVEL7_ID	LEVEL7_ID
Natural Account ID (Level8)	Number	LEVEL8_ID	LEVEL8_ID
Natural Account ID (Level9)	Number	LEVEL9_ID	LEVEL9_ID
Natural Account ID (Level10)	Number	LEVEL10_ID	LEVEL10_ID
Natural Account ID (Level11)	Number	LEVEL11_ID	LEVEL11_ID
Natural Account ID (Level12)	Number	LEVEL12_ID	LEVEL12_ID
Natural Account ID (Level13)	Number	LEVEL13_ID	LEVEL13_ID
Natural Account ID (Level14)	Number	LEVEL14_ID	LEVEL14_ID
Natural Account ID (Level15)	Number	LEVEL15_ID	LEVEL15_ID
Natural Account ID (Level16)	Number	LEVEL16_ID	LEVEL16_ID
Natural Account ID (Level17)	Number	LEVEL17_ID	LEVEL17_ID
Natural Account ID (Level18)	Number	LEVEL18_ID	LEVEL18_ID
Natural Account ID (Level19)	Number	LEVEL19_ID	LEVEL19_ID
Natural Account ID (Level20)	Number	LEVEL20_ID	LEVEL20_ID

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account Display Code (Level1)	Varchar	LEVEL1_DISPLAY_CODE	LEVEL1_DISPLAY_CODE
Natural Account Display Code (Level2)	Varchar	LEVEL2_DISPLAY_CODE	LEVEL2_DISPLAY_CODE
Natural Account Display Code (Level3)	Varchar	LEVEL3_DISPLAY_CODE	LEVEL3_DISPLAY_CODE
Natural Account Display Code (Level4)	Varchar	LEVEL4_DISPLAY_CODE	LEVEL4_DISPLAY_CODE
Natural Account Display Code (Level5)	Varchar	LEVEL5_DISPLAY_CODE	LEVEL5_DISPLAY_CODE
Natural Account Display Code (Level6)	Varchar	LEVEL6_DISPLAY_CODE	LEVEL6_DISPLAY_CODE
Natural Account Display Code (Level7)	Varchar	LEVEL7_DISPLAY_CODE	LEVEL7_DISPLAY_CODE
Natural Account Display Code (Level8)	Varchar	LEVEL8_DISPLAY_CODE	LEVEL8_DISPLAY_CODE
Natural Account Display Code (Level9)	Varchar	LEVEL9_DISPLAY_CODE	LEVEL9_DISPLAY_CODE
Natural Account Display Code (Level10)	Varchar	LEVEL10_DISPLAY_CODE	LEVEL10_DISPLAY_CODE
Natural Account Display Code (Level11)	Varchar	LEVEL11_DISPLAY_CODE	LEVEL11_DISPLAY_CODE
Natural Account Display Code (Level12)	Varchar	LEVEL12_DISPLAY_CODE	LEVEL12_DISPLAY_CODE
Natural Account Display Code (Level13)	Varchar	LEVEL13_DISPLAY_CODE	LEVEL13_DISPLAY_CODE
Natural Account Display Code (Level14)	Varchar	LEVEL14_DISPLAY_CODE	LEVEL14_DISPLAY_CODE

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account Display Code (Level15)	Varchar	LEVEL15_DISPLAY_CODE	LEVEL15_DISPLAY_CODE
Natural Account Display Code (Level16)	Varchar	LEVEL16_DISPLAY_CODE	LEVEL16_DISPLAY_CODE
Natural Account Display Code (Level17)	Varchar	LEVEL17_DISPLAY_CODE	LEVEL17_DISPLAY_CODE
Natural Account Display Code (Level18)	Varchar	LEVEL18_DISPLAY_CODE	LEVEL18_DISPLAY_CODE
Natural Account Display Code (Level19)	Varchar	LEVEL19_DISPLAY_CODE	LEVEL19_DISPLAY_CODE
Natural Account Display Code (Level20)	Varchar	LEVEL20_DISPLAY_CODE	LEVEL20_DISPLAY_CODE
Natural Account Display Order Number (Level1)	Number	LEVEL1_DISPLAY_ORDER_NUM	LEVEL1_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level2)	Number	LEVEL2_DISPLAY_ORDER_NUM	LEVEL2_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level3)	Number	LEVEL3_DISPLAY_ORDER_NUM	LEVEL3_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level4)	Number	LEVEL4_DISPLAY_ORDER_NUM	LEVEL4_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level5)	Number	LEVEL5_DISPLAY_ORDER_NUM	LEVEL5_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level6)	Number	LEVEL6_DISPLAY_ORDER_NUM	LEVEL6_DISPLAY_ORDER_NUM

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account Display Order Number (Level7)	Number	LEVEL7_DISPLAY_ORDER _NUM	LEVEL7_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level8)	Number	LEVEL8_DISPLAY_ORDER _NUM	LEVEL8_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level9)	Number	LEVEL9_DISPLAY_ORDER _NUM	LEVEL9_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level10)	Number	LEVEL10_DISPLAY_ORDE R_NUM	LEVEL10_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level11)	Number	LEVEL11_DISPLAY_ORDE R_NUM	LEVEL11_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level12)	Number	LEVEL12_DISPLAY_ORDE R_NUM	LEVEL12_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level13)	Number	LEVEL13_DISPLAY_ORDE R_NUM	LEVEL13_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level14)	Number	LEVEL14_DISPLAY_ORDE R_NUM	LEVEL14_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level15)	Number	LEVEL15_DISPLAY_ORDE R_NUM	LEVEL15_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level16)	Number	LEVEL16_DISPLAY_ORDE R_NUM	LEVEL16_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level17)	Number	LEVEL17_DISPLAY_ORDE R_NUM	LEVEL17_DISPLAY_ORDER_NUM

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account Display Order Number (Level18)	Number	LEVEL18_DISPLAY_ORDER_NUM	LEVEL18_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level19)	Number	LEVEL19_DISPLAY_ORDER_NUM	LEVEL19_DISPLAY_ORDER_NUM
Natural Account Display Order Number (Level20)	Number	LEVEL20_DISPLAY_ORDER_NUM	LEVEL20_DISPLAY_ORDER_NUM
Creation date	Date	CREATION_DATE	CREATION_DATE
Created by	Number	CREATED_BY	CREATED_BY
Last updated by	Number	LAST_UPDATED_BY	LAST_UPDATED_BY
Last update date	Date	LAST_UPDATE_DATE	LAST_UPDATE_DATE
Last update login	Number	LAST_UPDATE_LOGIN	LAST_UPDATE_LOGIN
Object name	Varchar	OBJECT_NAME	OBJECT_NAME
Object definition name	Varchar	OBJECT_DEFINITION_NAME	OBJECT_DEFINITION_NAME
Natural Account (Level1)	Varchar	LEVEL1_NAME	LEVEL1_NAME
Natural Account (Level2)	Varchar	LEVEL2_NAME	LEVEL2_NAME
Natural Account (Level3)	Varchar	LEVEL3_NAME	LEVEL3_NAME
Natural Account (Level4)	Varchar	LEVEL4_NAME	LEVEL4_NAME
Natural Account (Level5)	Varchar	LEVEL5_NAME	LEVEL5_NAME

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account (Level6)	Varchar	LEVEL6_NAME	LEVEL6_NAME
Natural Account (Level7)	Varchar	LEVEL7_NAME	LEVEL7_NAME
Natural Account (Level8)	Varchar	LEVEL8_NAME	LEVEL8_NAME
Natural Account (Level9)	Varchar	LEVEL9_NAME	LEVEL9_NAME
Natural Account (Level10)	Varchar	LEVEL10_NAME	LEVEL10_NAME
Natural Account (Level11)	Varchar	LEVEL11_NAME	LEVEL11_NAME
Natural Account (Level12)	Varchar	LEVEL12_NAME	LEVEL12_NAME
Natural Account (Level13)	Varchar	LEVEL13_NAME	LEVEL13_NAME
Natural Account (Level14)	Varchar	LEVEL14_NAME	LEVEL14_NAME
Natural Account (Level15)	Varchar	LEVEL15_NAME	LEVEL15_NAME
Natural Account (Level16)	Varchar	LEVEL16_NAME	LEVEL16_NAME
Natural Account (Level17)	Varchar	LEVEL17_NAME	LEVEL17_NAME
Natural Account (Level18)	Varchar	LEVEL18_NAME	LEVEL18_NAME
Natural Account (Level19)	Varchar	LEVEL19_NAME	LEVEL19_NAME

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account (Level20)	Varchar	LEVEL20_NAME	LEVEL20_NAME
Natural Account Description (Level1)	Varchar	LEVEL1_DESCRIPTION	LEVEL1_DESCRIPTION
Natural Account Description (Level2)	Varchar	LEVEL2_DESCRIPTION	LEVEL2_DESCRIPTION
Natural Account Description (Level3)	Varchar	LEVEL3_DESCRIPTION	LEVEL3_DESCRIPTION
Natural Account Description (Level4)	Varchar	LEVEL4_DESCRIPTION	LEVEL4_DESCRIPTION
Natural Account Description (Level5)	Varchar	LEVEL5_DESCRIPTION	LEVEL5_DESCRIPTION
Natural Account Description (Level6)	Varchar	LEVEL6_DESCRIPTION	LEVEL6_DESCRIPTION
Natural Account Description (Level7)	Varchar	LEVEL7_DESCRIPTION	LEVEL7_DESCRIPTION
Natural Account Description (Level8)	Varchar	LEVEL8_DESCRIPTION	LEVEL8_DESCRIPTION
Natural Account Description (Level9)	Varchar	LEVEL9_DESCRIPTION	LEVEL9_DESCRIPTION
Natural Account Description (Level10)	Varchar	LEVEL10_DESCRIPTION	LEVEL10_DESCRIPTION
Natural Account Description (Level11)	Varchar	LEVEL11_DESCRIPTION	LEVEL11_DESCRIPTION
Natural Account Description (Level12)	Varchar	LEVEL12_DESCRIPTION	LEVEL12_DESCRIPTION
Natural Account Description (Level13)	Varchar	LEVEL13_DESCRIPTION	LEVEL13_DESCRIPTION

<b>Name</b>	<b>Type</b>	<b>Identifier</b>	<b>Database Column</b>
Natural Account Description (Level14)	Varchar	LEVEL14_DESCRIPTION	LEVEL14_DESCRIPTION
Natural Account Description (Level15)	Varchar	LEVEL15_DESCRIPTION	LEVEL15_DESCRIPTION
Natural Account Description (Level16)	Varchar	LEVEL16_DESCRIPTION	LEVEL16_DESCRIPTION
Natural Account Description (Level17)	Varchar	LEVEL17_DESCRIPTION	LEVEL17_DESCRIPTION
Natural Account Description (Level18)	Varchar	LEVEL18_DESCRIPTION	LEVEL18_DESCRIPTION
Natural Account Description (Level19)	Varchar	LEVEL19_DESCRIPTION	LEVEL19_DESCRIPTION
Natural Account Description (Level20)	Varchar	LEVEL20_DESCRIPTION	LEVEL20_DESCRIPTION

### Joins in Hierarchy Folders

The following table shows the joins in the Natural Accounts Dimension Hierarchy folder.

<b>Name</b>	<b>Detail Folder</b>	<b>Description</b>	<b>Join Relationship</b>
Natural Accounts Dimension Hierarchy -> EPF Reconciliation	EPF Reconciliation	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Reconciliation.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Retirement Accounts	EPF Retirement Accounts	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Retirement Accounts.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Savings	EPF Savings	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Savings.Natural Account	One to Many (1:n)

<b>Name</b>	<b>Detail Folder</b>	<b>Description</b>	<b>Join Relationship</b>
Natural Accounts Dimension Hierarchy -> EPF Term Deposits	EPF Term Deposits	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Term Deposits.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Trusts	EPF Trusts	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Trusts.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Wholesale Funding	EPF Wholesale Funding	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Wholesale Funding.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Balances	EPF Balances	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Balances.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF All Account Tables	EPF All Account Tables	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF All Account Tables.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Checking Accounts	EPF Checking Accounts	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Checking Accounts.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Commercial Loans	EPF Commercial Loans	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Commercial Loans.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Consumer Loans	EPF Consumer Loans	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Consumer Loans.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Credit Cards	EPF Credit Cards	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Credit Cards.Natural Account	One to Many (1:n)

<b>Name</b>	<b>Detail Folder</b>	<b>Description</b>	<b>Join Relationship</b>
Natural Accounts Dimension Hierarchy -> EPF Credit Lines	EPF Credit Lines	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Credit Lines.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Customer Profit	EPF Customer Profit	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Customer Profit.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Investments	EPF Investments	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Investments.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Leases	EPF Leases	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Leases.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Merchant Cards	EPF Merchant Cards	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Merchant Cards.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Mortgage-Backed Securities	EPF Mortgage-Backed Securities	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Mortgage-Backed Securities.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Mortgages	EPF Mortgages	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Mortgages.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Off Balance Sheet	EPF Off Balance Sheet	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Off Balance Sheet.Natural Account	One to Many (1:n)
Natural Accounts Dimension Hierarchy -> EPF Other Services	EPF Other Services	Join between Natural Accounts Dimension Hierarchy.Level20 ID and EPF Other Services.Natural Account	One to Many (1:n)

Other hierarchy folders contains similar joins to various data folders.

## Calculated Items

Calculated items are created for weighted average rate calculations on the instrument folders. The following tables show a list of instrument folders (arranged in alphabetical order) and their items that are used for weighted average calculation.

### *Calculated Items for EPF Instrument Folders (in alphabetical order from A to L)*

	<b>EPF Checking Accounts</b>	<b>EPF Commercial Loans</b>	<b>EPF Consumer Loans</b>	<b>EPF Credit Cards</b>	<b>EPF Credit Lines</b>	<b>EPF Investments</b>	<b>EPF Leases</b>
Current Gross Rate	X	X	X	X	X	X	X
Current Loan to Value Rate							
Current Net Rate	X	X	X	X	X	X	X
Current Gross Yield	X	X	X	X	X	X	X
Current Option Adjusted Spread	X	X	X	X	X	X	X
Current Static Spread	X	X	X	X	X	X	X
Distance from Lifetime Cap		X					
Historic Option Adjusted Spread	X	X	X	X	X	X	X

	<b>EPF Checking Accounts</b>	<b>EPF Commercial Loans</b>	<b>EPF Consumer Loans</b>	<b>EPF Credit Cards</b>	<b>EPF Credit Lines</b>	<b>EPF Investments</b>	<b>EPF Leases</b>
Historic Static Spread	X	X	X	X	X	X	X
Margin (spread over index)	X	X	X	X	X	X	X
Margin Gross	X	X	X	X	X	X	X
Margin Transfer Rate	X	X	X	X	X	X	X
Matched Spread	X	X	X	X	X	X	X
Negative Amortizati on Limit		X	X	X	X	X	X
Original Loan to Value Rate		X	X		X		X
Original Rate	X	X	X	X	X	X	X
Percent Sold	X	X	X	X	X	X	X
Payment Decrease Cycle		X	X	X	X	X	X
Payment Decrease Life		X	X	X	X	X	X

	<b>EPF Checking Accounts</b>	<b>EPF Commercial Loans</b>	<b>EPF Consumer Loans</b>	<b>EPF Credit Cards</b>	<b>EPF Credit Lines</b>	<b>EPF Investments</b>	<b>EPF Leases</b>
Rate Cap Life	X	X	X	X	X	X	
Rate Decrease Cycle		X	X		X	X	X
Rate Decrease Year	X	X	X	X	X	X	X
Rate Floor Life	X	X	X	X	X	X	X
Rate Increase Year	X	X	X	X	X	X	X
Rate Increase Cycle		X	X		X	X	X
Tax Exempt Percent	X	X	X	X	X	X	X
Transfer Rate	X	X	X	X	X	X	X
Remaining Term Transfer Rate	X	X	X	X	X	X	X

**Calculated Items for EPF Instrument Folders (in alphabetical order from M to Z)**

	<b>EPF Mortgage Backed Securities</b>	<b>EPF Mortgages</b>	<b>EPF Savings</b>	<b>EPF Term Deposits</b>	<b>EPF Wholesale Funding</b>
Current Gross Rate	X	X	X	X	X
Current Loan to Value Rate		X			
Current Net Rate	X	X	X	X	X
Current Gross Yield	X	X	X	X	X
Current Option Adjusted Spread	X	X	X	X	X
Current Static Spread	X	X	X	X	X
Distance from Lifetime Cap	X	X			X
Historic Option Adjusted Spread	X	X	X	X	X
Historic Static Spread	X	X	X	X	X
Margin (spread over index)	X	X	X	X	X

	<b>EPF Mortgage Backed Securities</b>	<b>EPF Mortgages</b>	<b>EPF Savings</b>	<b>EPF Term Deposits</b>	<b>EPF Wholesale Funding</b>
Margin Gross	X	X	X	X	X
Margin Transfer Rate	X	X	X	X	X
Matched Spread	X	X	X	X	X
Negative Amortization Limit	X	X	X	X	X
Original Loan to Value Rate		X			
Original Rate	X	X	X	X	X
Percent Sold	X	X	X	X	X
Payment Decrease Cycle	X	X	X	X	X
Payment Decrease Life	X	X	X	X	X
Rate Cap Life	X	X	X	X	X
Rate Decrease Cycle	X	X	X	X	X
Rate Decrease Year	X	X	X	X	X

	EPF Mortgage Backed Securities	EPF Mortgages	EPF Savings	EPF Term Deposits	EPF Wholesale Funding
Rate Floor Life	X	X	X	X	X
Rate Increase Year	X	X	X	X	X
Rate Increase Cycle	X	X	X	X	X
Tax Exempt Percent	X	X	X	X	X
Transfer Rate	X	X	X	X	X
Remaining Term Transfer Rate	X	X	X	X	X

You can create additional items as follows:

1. Hide rate items and rename with "Non-weighted" prefix. For example, change the item name "Current Gross Rate" to "Non-weighted Current Gross Rate".
2. Create calculated items with the prefix "Weighted" and with the following formula and hide them.

**Formula:**

"Non-weighted <rate item> " x "Current Gross Par Balance"

**Example**

Item Name: "Weighted Current Gross Rate"

**Formula:**

"Non-weighted Current Gross Rate" x "Current Gross Par Balance"

3. Create calculated items with rate item names.

**Formula:**

DECODE(SUM(Current Gross Par Balance),0,0,( SUM("Weighted<rate item> "

```
)/SUM(Current Gross Par Balance) ))
```

**Example**

Item Name: "Current Gross Rate"

**Formula:**

```
DECODE(SUM(Current Gross Par Balance),0,0,( SUM(Weighted Current Gross Rate)/SUM(Current Gross Par Balance) ))
```

## Registered PL/SQL Functions

The following tables list registered PL/SQL functions in the EPF Business area.

### fem\_dis\_utl\_pkg.get\_converted\_amount

The following table describes the fem\_dis\_utl\_pkg.get\_converted\_amount PL/SQL function.

Function Name	PL/SQL	Discoverer Internal Function Name
EPF Get Converted Amount	fem_dis_utl_pkg.get_converted_amount	FEM_GET_CONVERTED_AMOUNT

This function is a wrapper function that calls the fem\_dis\_utl\_pkg.get\_exchange\_rate procedure to convert currency values from one currency to another using the GL currency conversion API.

```
FUNCTION Get_Converted_Amount(  
    p_from_currency IN VARCHAR2,  
    p_to_currency   IN VARCHAR2,  
    p_cal_period_id IN NUMBER,  
    p_from_value    IN NUMBER,  
)RETURN number;
```

### fem\_dis\_utl\_pkg.visual\_trace\_url

The following table describes the fem\_dis\_utl\_pkg.visual\_trace\_url PL/SQL function.

Function Name	PL/SQL	Discoverer Internal Function Name
EPF Visual Trace URL	fem_dis_utl_pkg.visual_trace_url	FEM_VISUAL_TRACE_URL

This function returns a URL to the Oracle application page.

```
FUNCTION Visual_Trace_URL(  
    p_function_name IN VARCHAR2,  
    p_other_params  IN VARCHAR2 DEFAULT NULL,  
)RETURN varchar2;
```

### fem\_dis\_utl\_pkg.get\_dim\_attribute\_value

The following table describes the fem\_dis\_utl\_pkg.get\_dim\_attribute\_value PL/SQL function.

Function Name	PL/SQL	Discoverer Internal Function Name
EPF Get Dimension Attribute Value	fem_dis_utl_pkg.get_dim_attribute_value	FEM_GET_DIM_ATTRIBUTE_VALUE

This function returns a Get Dimension Attribute Value Wrapper over the FEM API.

```
FUNCTION GET_DIM_ATTRIBUTE_VALUE(  
  p_dimension_varchar_label IN VARCHAR2,  
  p_attribute_varchar_label IN VARCHAR2,  
  p_member_id IN NUMBER,  
  p_value_set_id IN NUMBER,  
  p_attr_version_display_code IN NUMBER,  
  p_return_attr_assign_mbr_id IN NUMBER,  
)RETURN number;
```

### fem\_dis\_utl\_pkg.get\_relative\_cal\_period\_name

The following table describes the fem\_dis\_utl\_pkg.get\_relative\_cal\_period\_name PL/SQL function.

Function Name	PL/SQL	Discoverer Internal Function Name
EPF Get Relative Calendar Period Name	fem_dis_utl_pkg.get_relative_cal_period_name	FEM_GET_RELATIVE_CAL_PERIOD_NAME

This function returns a Get Relative Calendar Period Name for a given base period and offset.

```
FUNCTION BASE_CAL_PERIOD_ID(  
  p_base_cal_period_id IN NUMBER,  
  p_offset IN NUMBER,  
)RETURN varchar2;
```

## Core FTP Business Area

The core FTP business area, called *FTP - Core Business Area*, resides in the standard Oracle Applications end user layer (EUL\_US) along with the *EPF - Core Business Area*. The core FTP business area contains folders for Oracle Transfer Pricing (FTP) specific tables. The following table describes the names and types of the folders based on the

source tables included in the FTP - Core Business Area.

***FTP - Core Business Area: Source Tables and Folders***

<b>Source Table</b>	<b>Folder Type</b>	<b>Folder Name</b>
FTP_CF_CORRECTIONS	Simple Folder	FTP Cf Corrections
FTP_PROCESS_CASH_FLOW	Simple Folder	FTP Process Cash Flows
FTP_TRANSFER_PRICE_RULE	Simple Folder	FTP Transfer Price Rule

**Related Topics**

Core EPF Business Area and its Components, page 2-1

Overview of the Reports, page 4-1

Overview of Oracle Financial Services Audit Reports, page 6-1

Overview of Oracle Transfer Pricing Reports, page 7-1



---

## Managing the Core Business Areas

This chapter tells you how to customize the core business areas and adapt them to your specific business needs.

This chapter covers the following topics:

- Managing the Business Area
- Managing Security in the Seeded Business Area
- Using a Worksheet
- Running Multiple Discoverer Releases on the Same Instance

### Managing the Business Area

If you add new columns to seeded fact tables or add new tables, you need to manually add items for the new columns or create folders for the new tables using Discoverer Administration Edition. You can do the following:

- Add a folder. See:
  - What are folders?, *Oracle Business Intelligence Discoverer Administration Guide*.
  - How to create simple folders from the database, *Oracle Business Intelligence Discoverer Administration Guide*.
  - How to create complex folders, *Oracle Business Intelligence Discoverer Administration Guide*.
  - How to create custom folders, *Oracle Business Intelligence Discoverer Administration Guide*.
- Add an item. See: How to add items to an item class, *Oracle Business Intelligence Discoverer Administration Guide*.

- Add a calculation item. See: How to add items to an item class, *Oracle Business Intelligence Discoverer Administration Guide*.
- Edit a join. See: How to view or edit joins, *Oracle Business Intelligence Discoverer Administration Guide*.
- Change a folder property. See: How to edit folder properties, *Oracle Business Intelligence Discoverer Administration Guide*.
- Change an item property. See: How to edit item properties, *Oracle Business Intelligence Discoverer Administration Guide*.

## Managing Security in the Seeded Business Area

This section describes how you should manage access to data through the standard security framework provided by Oracle Discoverer Administration. There are two security options available:

- Assigning Business Areas to Users
- Assigning Users to Business Areas

These two options let you manage data security at the Business Area level. The standard business area that is seeded with OFSA provides significant access to detailed data and therefore access to this business area should only be granted to system administrators and power users.

## Creating New Business Areas To Limit Data Access

As an administrator for Discoverer, to provide access to a subset of the objects contained in the seeded business area or a subset of the data within the objects in the standard business area, you should create new business areas to manage objects and folders (data) in a way that meets your security requirements for a particular set of users. By creating a new business area and adding the appropriate folders, the administrator can grant access to these managed business areas to users as appropriate.

Consider adding conditions to folders if you need to limit the data available within a given table to a set of users. For example, the Discoverer Administrator might wish to limit access to customer account information by region. The company cost center organization dimension might contain this regional information through organization unit assignments. If the folder contains a condition that specifies specific Company Cost Center Organization IDs then users will only see data related to those specific ID's. After populating the new business area with the appropriate objects and applying conditions as needed, the administrator can grant access to this business area to the appropriate user community.

Users that have access to a business area can create Discoverer Workbooks that run

against the data contained in that business area only.

## Managing Seeded Discoverer Workbooks

A set of seeded Discoverer Workbooks are built to run against the seeded business area. Access to these reports can be granted to users through the Oracle Discoverer Desktop or Discoverer Plus applications.

To grant Workbook access to specific users, select File > Manage Workbooks > Sharing.

If end users have access to the seeded business area, these reports will run out of the box. If users do not have access to the seeded business area, these reports will only run if users have access to a business area with all of the objects required by the seeded workbook. When opening a workbook that was built by a different user or from a different database, users will see the following message:

```
"This workbook was created in account xxxxx@xxxx. You are currently
connected to a different database account. How do you want to proceed?"
```

Select "Open the workbook in the current database account."

## Using a Worksheet

Joins between fact folders and dimension member or dimension hierarchy folders use dimension member items. In addition to these joins, joins to FEM\_DIS\_LDGR\_DIM\_VS\_MAP are needed to filter data by value set ID. Since Discoverer Workbook does not allow pulling data from all these folders due to join dependencies, workbook conditions using a worksheet are used to implement value set filtering.

The workbook condition uses a worksheet that is based on Dimension Value Set Map folder to create Value Set ID related joins between fact folders and the mapping folder, and dimension member or dimension hierarchy folders and the mapping folder.

## Running Multiple Discoverer Releases on the Same Instance

If you need to configure the profile at site level, review the following table. You can still update profiles at user or responsibility level to point to the equivalent values for Discover 4i.

1. Log on to Discoverer with the System Administrator responsibility.
2. Navigate to the Profile > System window.
3. Query the %Discoverer% profile options.
4. Verify the following ICX profile options in Oracle Applications:

Profile	Description	Value
ICX_DISCOVERER_LAUNCHER	URL that points to Discoverer Server Launch page	http://<HTTP Server>:<Port>/discoverer/plus?Connect=[APPS_SECURE]
ICX_DISCOVERER_VIEWER_LAUNCHER	URL that points to Discoverer Viewer Servlet	http://<HTTP Server>:<Port>/discoverer/viewer?Connect=[APPS_SECURE]
ICX_DISCOVERER_RELEASE	1 digit number specifying the Discoverer release	10
ICX_DISCOVERER_US_VIEWER	Specify whether Discoverer Viewer should be launched instead of Discoverer Plus (default).	Y   N
ICX_DEFAULT_EUL	<p>ICX: Discoverer End User Layer Schema Prefix</p> <p>This is the EULprefix. The EULprefix in combination with the language code makse up the EUL owner at runtime.</p>	EUL
ICX_DISCOVERER_EUL_LANGUAGE	<p>ICX: Discoverer End User Layer Language Override</p> <p>Since the End User Layer content is currently available in US English only, it is possible to override the user's general language preference for the Discoverer End User Layer using this profile option. The specified End User Layer language will be used regardless of the individual user's language preferences.</p> <p>This profile does not affect the National Language Support parameters transferred to Discoverer. The Discoverer User Interface still appears according to the users ICX_LANGUAGE and ICX_TERRITORY profiles. The User Interface language will only changes for valid combinations of ICX_LANGUAGE and ICX_TERRITORY.</p>	US

Profile	Description	Value
ICX_DISCOVERER_PARAMETERS	<p>ICX: Discoverer Parameters</p> <p>This profile can be used to configure the Exit URL.</p> <p>In addition, it can be used to optionally pass additional URL parameters to Discoverer.</p>	<p>exitURL=&lt;E-Business Suite Home Page&gt;</p> <p>for example</p> <p>exitURL=http://&lt;HTTP Server&gt;:&lt;Port&gt;/OA_HTML/OA.jsp?OAFunc=OAHOME PAGE</p>



# Part 2

---

## Standard Reports for Oracle Financial Services



---

## Using the Reports

This chapter provides an overview of the reports and describes how to run them.

This chapter covers the following topics:

- Overview of the Reports
- Common Report Concepts
- Generating and Viewing Reports

### Overview of the Reports

Use the reports to analyze data from business processes in your application or to evaluate data quality. The availability of specific reports in the Documents tab depends on your application and responsibility. See:

- Overview of Data Management Reports, page 5-1.
- Overview of Oracle Financial Services Audit Reports, page 6-1.
- Overview of Oracle Transfer Pricing Reports, page 7-1.

### Discoverer Plus: The Reporting Tool

Use Oracle Discoverer Plus 10gR2 to generate reports, and to customize these reports in line with your reporting needs. Discoverer Plus is:

- An Internet application tightly integrated with Oracle E-Business Suite.
- A business intelligence solution that allows business users to retrieve and analyze data from Oracle databases by creating worksheets and charts, and to publish those results.

See:

- Overview of the Oracle Financial Services Reporting Structure, page 1-1.
- *Oracle Business Intelligence Discoverer Plus User's Guide.*
- *Oracle Business Intelligence Discoverer Administration Guide.*
- *Oracle Business Intelligence Discoverer Viewer User's Guide.*

Each report contains worksheets that have either the crosstab or table layout. See: About Discoverer worksheet types, *Oracle Business Intelligence Discoverer Plus User's Guide.*

## Related Topics

Common Report Concepts, page 4-2

Generating and Viewing Reports, page 4-3

## Common Report Concepts

The following concepts are common to the reports. Not all concepts, for example conditions and totals, apply to every report.

- **Business Area Folders:** Folders set up in the Discoverer end user layer (EUL) or business area that contain database objects, such as data and fact tables, on which reports are based.
- **Joins:** Temporary relationships between two tables in a database query that let you retrieve the exact data that you want.  
For example, the join *Line Items Dimension Hierarchy -> EPF Balances* is a one-to-many (1:n) join between *Line Items Dimension Hierarchy.Level20 id* and *EPF Balances.Line Item*.
- **Conditions:** Restrictions added to business area folders that limit the data available, within a given table, to a set of users.
- **Page Items:** Parameters that reports are based on.
- **Rows**
- **Report Headings and Calculations (Columns)**
- **Totals:** Sum of all values in a particular column.

## Related Topics

Overview of the Reports, page 4-1

## Generating and Viewing Reports

You can run the reports from your application, or use the Oracle Discoverer Desktop or Discoverer Administration applications themselves. See: *Oracle Business Intelligence Discoverer Desktop User's Guide* and *Oracle Business Intelligence Discoverer Administration Guide*.

### Procedure to generate reports from your application:

1. Navigate to the Documents tab.
2. Click the report you want to run.

### What's Next

**Tip:** Use the Back button of the browser to navigate back to your application. Open a new browser window to view both your application and the Discoverer Plus application simultaneously.

### Related Topics

Overview of the Reports, page 4-1

*Oracle Business Intelligence Discoverer Plus User's Guide*

*Oracle Business Intelligence Discoverer Viewer User's Guide*



---

## Data Management Reports

This chapter describes the reports you use to analyze the quality of your data.

This chapter covers the following topics:

- Overview of Data Management Reports
- GL Instrument Reports
- Stratification Reports

### Overview of Data Management Reports

Use the data management reports to evaluate the quality of your data. There are two sets of data management reports.

- **GL Instrument Reports:** Provides information on balances in the instrument account tables. See: GL Instrument Reports, page 5-1.
- **Stratification Reports:** Lets you verify the accuracy of various types of account level data after the data is imported into your system. See: Stratification Reports, page 5-14.

The data management reports leverage data defined in the EPF business area, which refers to objects in the FEM schema. This business area resides in a standard Oracle Applications end user layer (EUL\_US) and is populated through facts, joins, and lookup tables. See: Core EPF Business Area and its Components, page 2-1.

### Related Topics

Overview of the Reports, page 4-1

### GL Instrument Reports

This table lists the GL instrument reports and their Discoverer file names.

## Data Management: GL Instrument Reports

Report Name	Discoverer Workbook Title	Discoverer Worksheet Title
STD – DATA Instrument to GL Reconciliation, page 5-2	STD - DATA Instrument to GL Reconciliation	<ol style="list-style-type: none"><li>1. Instrument to GL Reconciliation Ending Balances</li><li>2. Instrument to GL Reconciliation</li></ol>
STD – GL Instrument Upload, page 5-9	GL Instrument Upload Report	<ol style="list-style-type: none"><li>1. STD - Data GL Instrument Upload</li><li>2. Internal worksheet</li></ol>

## Related Topics

Overview of Data Management Reports, page 5-1

## STD – DATA Instrument to GL Reconciliation

Use the STD – DATA Instrument to GL Reconciliation report to compare account table balances to the equivalent GL account balances. The report highlights large variance between the two balances to inform you of this data quality issue, and creates "plug" records that you can insert into your account data to correct the variance.

**Note:** The GL balance is assumed to be correct, so the account balance should match it as closely as possible.

This report is based on a custom folder, EPF Reconciliation, that creates a union between all relevant FEM account tables together with the GL account balances from the FEM\_BALANCES table. The report takes a snapshot of the GL data in FEM\_BALANCES, which is not necessarily what is currently in your GL data source, for example Oracle General Ledger.

The STD – DATA Instrument to GL Reconciliation contains two worksheets.

- **Instrument to GL Reconciliation: Ending Balances worksheet:** Shows the results of the reconciliation in terms of variance amount and percentage. Any variance greater than 2% is highlighted in red to help you focus your attention on the relevant balances.
- **Instrument to GL Reconciliation worksheet:** Creates "plug" account table records

to make up for the variance, by assigning the variance amount to the balance fields, for example Current Gross Par Balance. Other account record attributes are defined with default values.

**Tip:** You can export this worksheet into either the Excel or ASCII format, and load the data into account tables with SQL Loader.

Generally, you run this report after loading data for a new calendar period into the account and FEM\_BALANCES tables. You can also resubmit the Instrument to GL Reconciliation: Ending Balances worksheet after loading the plug records into account tables, to confirm that the load was successful and that the data reconciles.

## Business Area Folders

The STD – DATA Instrument to GL Reconciliation report is based on these folders.

- **Both worksheets:**
  - *EPF Company Cost Center Organizations:* This simple dimension folder is based on the FEM\_CCTR\_ORGS\_VL view.
  - *EPF Currencies:* This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
  - *EPF Datasets:* This simple dimension folder is based on the FEM\_DATASETS\_VL view.
  - *EPF Ledgers:* This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
- **Instrument to GL Reconciliation: Ending Balances worksheet:**
  - *Natural Accounts Dimension Hierarchy:* This simple hierarchy folder is based on the FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view.
  - *EPF Reconciliation:* This custom account folder union's folder is based on the FEM\_RECONCILIATION table and creates a union between all relevant FEM account tables together with the GL account balances from FEM\_BALANCES.
- **Instrument to GL Reconciliation worksheet:**
  - *EPF Calendar Periods:* This simple dimension folder is based on the FEM\_CAL\_PERIODS\_VL view.
  - *EPF Line Items:* This simple dimension folder is based on the FEM\_LN\_ITEMS\_VL view.

- *EPF Natural Accounts*: This simple dimension folder is based on the FEM\_NAT\_ACCTS\_VL view.

## Joins

The STD – DATA Instrument to GL Reconciliation report uses these joins to retrieve data.

- **Both worksheets:**
  - EPF Currencies.Currency code -> EPF Reconciliation.Currency
  - EPF Datasets.Dataset code -> EPF Reconciliation.Dataset
  - EPF Ledgers.Ledger Id -> EPF Reconciliation.Ledger
  - EPF Company Cost Center Organizations.Company Cost Center Org Id -> EPF Reconciliation.Company Cost Center Organization
- **Instrument to GL Reconciliation: Ending Balances worksheet:**  
Natural Accounts Dimension Hierarchy.Level20 Id -> EPF Reconciliation.Natural Account
- **Instrument to GL Reconciliation worksheet:**
  - EPF Line Items.Line Item Id -> EPF Reconciliation.Line Item
  - EPF Natural Accounts.Natural Account Id -> EPF Reconciliation.Natural Account
  - EPF Calendar Periods.Cal Period Id -> EPF Reconciliation.Calendar Period

## Conditions

These conditions apply to the STD – DATA Instrument to GL Reconciliation report.

- **Both worksheets:**  
Ledger and Company Cost Center Organization Dimension Value Set Mapping
- **Instrument to GL Reconciliation: Ending Balances worksheet:**  
Ledger and Natural Account Hierarchy Dimension Value Set Mapping
- **Instrument to GL Reconciliation worksheet:**
  - Ledger and Line Item Dimension Value Set Mapping

- Ledger and Natural Account Dimension Value Set Mapping

## Page Items

The STD – DATA Instrument to GL Reconciliation report is based on these parameters.

- **Both worksheets:**
  - Dataset
  - Ledger
- **Instrument to GL Reconciliation: Ending Balances worksheet:**
  - Effective Date (Uses Calendar Period End Date)
  - Currency
  - Company Cost Center Organization
  - Hierarchy Name
  - Hierarchy Version
- **Instrument to GL Reconciliation worksheet:**
  - Calendar Period

## Rows

The Instrument to GL Reconciliation: Ending Balances worksheet displays Natural Accounts included in the Natural Account hierarchy as rows (display defaults to level 20 of the hierarchy). The Instrument to GL Reconciliation worksheet has no rows.

## Report Headings and Calculations (Columns)

The STD – DATA Instrument to GL Reconciliation report has these columns. If applicable to the column, also provided below is the:

- **Calculation:** The formula used to calculate the column value.
- **Source:** The direct source of the column value, for example another column in the worksheet, meaning that the value for one column is equal to another column's value.
- **Default:** The actual value that defaults into the column.

**Note:** You can also view or even change the calculation, source, or default when you access calculation details in the Discoverer UI for specific fields.

- **Instrument to GL Reconciliation: Ending Balances worksheet:**
  - Instrument Balance
  - GL Balance
  - Variance  
Calculation:  $\text{SUM}(\text{EPF Reconciliation.GL Balance} - \text{EPF Reconciliation.Instrument Balance})$
  - % Variance  
Calculation:  $\text{DECODE}(\text{Lsbal SUM}, 0, -1, \text{SUM}(\text{EPF Reconciliation.GL Balance} - \text{EPF Reconciliation.Instrument Balance}) / \text{Lsbal SUM})$
  
- **Instrument to GL Reconciliation worksheet:**
  - Company Cost Center Organization
  - Currency
  - Natural Account
  - Line Item
  - Current Gross Par Balance  
Calculation:  $\text{EPF Reconciliation.GL Balance} - \text{EPF Reconciliation.Instrument Balance}$
  - Current Book Balance  
Source: Current Gross Par Balance column
  - Accrual Basis Code  
Default Value: ACT/ACT
  - Adjustable Type Code  
Default Value: 0
  - Amortization Term  
Default Value: 1

- Amortization Term Multiplier  
Default Value: M
- Amortization Type Code  
Default Value: 700
- Compound Basis Code  
Default Value: 160
- Current Net Rate  
Default Value: 5
- Current Payment  
Default Value: 0
- Interest Rate Code  
Default Value: 0
- Interest Type  
Default Value: 1
- Issue Date  
Source: EPF Reconciliation.Calendar Period End Date
- Last Payment Date  
Source: EPF Reconciliation.Calendar Period End Date
- Last Repricing Date  
Source: EPF Reconciliation.Calendar Period End Date
- Margin  
Default Value: 0
- Maturity Date  
Calculation: ADD\_MONTHS(EPF Reconciliation.Calendar Period End Date,Original Term to Maturity)
- Net Margin Code  
Default Value: 0
- Next Payment Date

Calculation: ADD\_MONTHS(EPF Reconciliation.Calendar Period End Date,Original Term to Maturity)

- Next Repricing Date

Calculation: ADD\_MONTHS(EPF Reconciliation.Calendar Period End Date,Original Term to Maturity)

- Original Term to Maturity

Default Value: 1

- Original Term Multiplier

Default Value: M

- Origination Date

Source: Issue Date column

- Original Gross Book Balance

Source: Current Gross Par Balance column

- Original Gross Par Balance

Source: Current Gross Par Balance column

- Original Rate

Source: Current Net Rate column

- Payment Frequency

Default Value: 1

- Payment Frequency Multiplier

Default Value: M

- Remaining Number of Payments

Default Value: 1

- Repricing Frequency

Default Value: 0

- Repricing Frequency Multiplier

Default Value: M

## Related Topics

GL Instrument Reports, page 5-1

## STD – DATA GL Instrument Upload

Use the STD – DATA GL Instrument Upload report to identify GL balances that do not exist in any of the FEM account tables. The report pulls in balances by natural account and company cost center organization, and assigns default attributes to these balances so that you can load the balances as instrument records into account tables.

The STD – DATA GL Instrument Upload report contains two worksheets.

- **STD – DATA GL Instrument Upload worksheet:** Displays the results of this report.

**Tip:** You can export this worksheet into either the Excel or ASCII format, and load the data into account tables with SQL Loader.

- An internal worksheet which creates a subquery that contains a list of the natural accounts to include in the report. This list includes any natural account ID that exists in the FEM\_BALANCES table but not in any of the instrument tables. See: Relationship between EPF Data Entities and its presentation in the Architecture, page 1-3 and Using a Worksheet, page 3-3.

**Tip:** To support processing of the Transfer Pricing system, you can use this report to generate account table records for balances that otherwise only exist in the FEM\_BALANCES table. Run this report after loading data for a new calendar period into the account and FEM\_BALANCES tables, but before running the transfer pricing process.

## Business Area Folders

The STD – DATA GL Instrument Upload report is based on these folders.

### STD – DATA GL Instrument Upload worksheet:

- *EPF Balances:* This simple ledger balance folder is based on the FEM\_BALANCES table.
- *EPF Calendar Periods:* This simple dimension folder is based on the FEM\_CAL\_PERIODS\_VL view.
- *EPF Company Cost Center Organizations:* This simple dimension folder is based on the FEM\_CCTR\_ORGS\_VL view.

- *EPF Currencies*: This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
- *EPF Datasets*: This simple dimension folder is based on the FEM\_DATASETS\_VL view.
- *EPF Ledgers*: This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
- *EPF Line Items*: This simple dimension folder is based on the FEM\_LN\_ITEMS\_VL view.
- *EPF Natural Accounts*: This simple dimension folder is based on the FEM\_NAT\_ACCTS\_VL view.

## Joins

The STD – DATA GL Instrument Upload report uses these joins to retrieve data.

### **STD – DATA GL Instrument Upload worksheet:**

- EPF Currencies.Currency code -> EPF Balances.Currency
- EPF Datasets.Dataset code -> EPF Balances.Dataset
- EPF Ledgers.Ledger Id -> EPF Balances.Ledger
- EPF Company Cost Center Organizations.Company Cost Center Org Id -> EPF Balances.Company Cost Center Organization
- EPF Line Items.Line Item Id -> EPF Balances.Line Item
- EPF Calendar Periods.Cal Period Id -> EPF Balances.Calendar Period
- EPF Natural Accounts.Natural Account Id -> EPF Balances.Natural Account

## Conditions

These conditions apply to the STD – DATA GL Instrument Upload report.

### **STD – DATA GL Instrument Upload worksheet:**

- EPF Balances.Financial Element IN (100)
- Natural Account NOT IN (Natural Accounts in All Accounts Table)
- Ledger and Company Cost Center Organization Dimension Value Set Mapping
- Ledger and Line Item Dimension Value Set Mapping

- Ledger and Natural Account Dimension Value Set Mapping

## Page Items

The STD – DATA GL Instrument Upload report is based on these parameters.

### STD – DATA GL Instrument Upload worksheet:

- Calendar Period
- Dataset
- Ledger

## Rows

The STD – DATA GL Instrument Upload report has no rows because it has the table layout.

## Report Headings and Calculations (Columns)

The STD – DATA GL Instrument Upload report has these columns. If applicable to the column, also provided below is the:

- **Calculation:** The formula used to calculate the column value.
- **Source:** The direct source of the column value, for example another column in the worksheet, meaning that the value for one column is equal to another column's value.
- **Default:** The actual value that defaults into the column.

**Note:** You can also view or even change the calculation, source, or default when you access calculation details in the Discoverer UI for specific fields.

### STD – DATA GL Instrument Upload worksheet:

- Company Cost Center Organization
- Currency
- Natural Account
- Line Item
- Current Gross Book Balance

Source: EPF Balances.Period to Date Balance Entered

- Current Gross Par Balance  
Source: EPF Balances.Period to Date Balance Entered
- Accrual Basis Code  
Default Value: ACT/ACT
- Adjustable Type Code  
Default Value: 0
- Amortization Term  
Default Value: 1
- Amortization Term Multiplier  
Default Value: M
- Amortization Type Code  
Default Value: 700
- Compound Basis Code  
Default Value: 160
- Current Net Rate  
Default Value: 8
- Current Payment  
Default Value: 0
- Interest Rate Code  
Default Value: 0
- Interest Type  
Default Value: 1
- Issue Date  
Source: EPF Balances.Calendar Period End Date
- Last Payment Date  
Source: EPF Balances.Calendar Period End Date
- Last Repricing Date  
Source: EPF Balances.Calendar Period End Date

- Margin  
Default Value: 0
- Maturity Date  
Calculation: ADD\_MONTHS(EPF Balances.Calendar Period End Date,Original Term to Maturity)
- Net Margin Code  
Default Value: 0
- Next Payment Date  
Calculation: ADD\_MONTHS(EPF Balances.Calendar Period End Date,Original Term to Maturity)
- Next Repricing Date  
Calculation: ADD\_MONTHS(EPF Balances.Calendar Period End Date,Original Term to Maturity)
- Original Term to Maturity  
Default Value: 1
- Original Term Multiplier  
Default Value: M
- Origination Date  
Source: Issue Date column
- Original Book Balance  
Source: Current Gross Par Balance column
- Original Par Balance  
Source: Current Gross Par Balance column
- Original Rate  
Source: Current Net Rate column
- Payment Frequency  
Default Value: 1
- Payment Frequency Multiplier  
Default Value: M

- Remaining Number of Payments  
Default Value: 1
- Repricing Frequency  
Default Value: 0
- Repricing Frequency Multiplier  
Default Value: M

## Related Topics

GL Instrument Reports, page 5-1

## Stratification Reports

Use the stratification reports to analyze and validate the quality of your account level data after it is loaded. You can identify trends and outliers in the displayed key data attributes from the FEM account tables. For example, you can check for negative or zero values where you do not expect them, such as in payment frequency.

**Tip:** You can resubmit these reports after processing the cash flow edits or performing other data correction activities, to confirm the results of those activities and verify that the data is clean and ready for processing.

There are nine stratification reports, and they all have similar worksheets and report elements. Each report focuses on specific account data, for example mortgages, savings, or term deposits. When you run the report, you specify through parameters the ranges or tiers that the report results are based on. For example, you determine date ranges by which values in the Origination Date worksheet are grouped.

This table lists the stratification reports and their Discoverer file names. Each report has multiple worksheets with similar titles. For all reports, the worksheet-specific terms in the Discoverer worksheet title are:

1. Book Balance
2. Current Net Rate
3. Origination Date
4. Maturity Date
5. Payment Frequency

- 6. Amort Type / Adjust Type / Repricing
- 7. Line Item
- 8. Natural Account

**Important:** Not every report has all eight worksheets. The exceptions are noted in the Discoverer Worksheet Title column of this table.

**Data Management: Stratification Reports**

Report Name	Discoverer Workbook Title	Discoverer Worksheet Title
STD – DATA Stratification MORTGAGES	STD – DATA Stratification MORTGAGES	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Mortgages
STD – DATA Stratification COMMERCIAL LOANS	STD – DATA Stratification COMMERCIAL LOANS	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Commercial Loans
STD – DATA Stratification CONSUMER LOANS	STD – DATA Stratification CONSUMER LOANS	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Consumer Loans
STD – DATA Stratification INVESTMENTS	STD – DATA Stratification INVESTMENTS	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Investments

Report Name	Discoverer Workbook Title	Discoverer Worksheet Title
STD – DATA Stratification CREDIT CARDS	STD – DATA Stratification CREDIT CARDS	<p>Stratification Report</p> <p>User Specified Tiers: &lt;Worksheet-Specific Term&gt;</p> <p>Credit Cards</p> <p><b>Note:</b> This report does not have these worksheets:</p> <ul style="list-style-type: none"> <li>• Payment Frequency</li> <li>• Amort Type / Adjust Type / Repricing</li> </ul>
STD – DATA Stratification CHECKING	STD – DATA Stratification CHECKING	<p>Stratification Report</p> <p>User Specified Tiers: &lt;Worksheet-Specific Term&gt;</p> <p>Checking</p> <p><b>Note:</b> This report does not have these worksheets:</p> <ul style="list-style-type: none"> <li>• Payment Frequency</li> <li>• Amort Type / Adjust Type / Repricing</li> </ul>
STD – DATA Stratification SAVINGS	STD – DATA Stratification SAVINGS	<p>Stratification Report</p> <p>User Specified Tiers: &lt;Worksheet-Specific Term&gt;</p> <p>Savings</p> <p><b>Note:</b> This report does not have the Payment Frequency worksheet.</p>

Report Name	Discoverer Workbook Title	Discoverer Worksheet Title
STD – DATA Stratification TERM DEPOSITS	STD – DATA Stratification TERM DEPOSITS	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Term Deposits
STD – DATA Stratification WHOLESALE FUNDING	STD – DATA Stratification WHOLESALE FUNDING	Stratification Report User Specified Tiers: <Worksheet-Specific Term> Wholesale Funding

## Related Topics

Stratification Reports Common Concepts, page 5-17

Overview of Data Management Reports, page 5-1

## Stratification Reports Common Concepts

The following concepts are common to all the stratification reports. For any applicable worksheet, the report-specific terms are as shown in this table. For example, all worksheets are based in part on the EPF <Report-Specific Term> business area folder. For the STD – DATA Stratification MORTGAGES report, that would be the EPF Mortgages folder.

Report Name	Report-Specific Term
STD – DATA Stratification MORTGAGES	Mortgages
STD – DATA Stratification COMMERCIAL LOANS	Commercial Loans
STD – DATA Stratification CONSUMER LOANS	Consumer Loans
STD – DATA Stratification INVESTMENTS	Investments
STD – DATA Stratification CREDIT CARDS	Credit Cards
STD – DATA Stratification CHECKING	Checking Accounts

Report Name	Report-Specific Term
STD – DATA Stratification SAVINGS	Savings
STD – DATA Stratification TERM DEPOSITS	Term Deposits
STD – DATA Stratification WHOLESale FUNDING	Wholesale Funding

**Note:** Not all reports have every described worksheet. See: Stratification Reports, page 5-14.

## Business Area Folders

The stratification reports are based on these folders.

- **All worksheets:**
  - *EPF Currencies:* This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
  - *EPF Datasets:* This simple dimension folder is based on the FEM\_DATASETS\_VL view.
  - *EPF Ledgers:* This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
  - *EPF <Report-Specific Term>:* This simple account folder is based on the FEM\_<Report-Specific Term> table. For example, the EPF Mortgages folder is based on the FEM\_MORTGAGES table.
- **Book Balance, Current Net Rate, Origination Date, Maturity Date, and Payment Frequency worksheets:**

*EPF Line Items:* This simple dimension folder is based on the FEM\_LN\_ITEMS\_VL view.
- **Amort Type / Adjust Type / Repricing and Line Item worksheets:**

*Line Items Dimension Hierarchy:* This simple hierarchy folder is based on the FEM\_DIS\_LN\_ITEMS\_HIER\_VL view.
- **Natural Account worksheet:**

*Natural Accounts Dimension Hierarchy:* This simple hierarchy folder is based on the FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view.

## Joins

The stratification reports use these joins to retrieve data:

- **All worksheets:**
  - EPF Currencies.Currency code -> EPF <Report-Specific Term>.Currency
  - EPF Datasets.Dataset code -> EPF <Report-Specific Term>.Dataset
  - EPF Ledgers.Ledger Id -> EPF <Report-Specific Term>.Ledger
- **Book Balance, Current Net Rate, Origination Date, Maturity Date, and Payment Frequency worksheets:**  
EPF Line Items.Line Item Id -> EPF <Report-Specific Term>.Line Item
- **Amort Type / Adjust Type / Repricing and Line Item worksheets:**  
Line Items Dimension Hierarchy.Level20 Id -> EPF <Report-Specific Term>.Line Item
- **Natural Account worksheet:**  
Natural Accounts Dimension Hierarchy.Level20 Id -> EPF <Report-Specific Term>.Natural Account

## Conditions

These conditions apply to the stratification reports.

- **Book Balance, Current Net Rate, Origination Date, Maturity Date, and Payment Frequency worksheets:**  
Line Item Dimension
- **Amort Type / Adjust Type / Repricing and Line Item worksheets:**  
Line Item Dimension Hierarchy
- **Natural Account worksheet:**  
Natural Account Dimension Hierarchy

## Page Items

The stratification reports are based on these parameters.

- **All worksheets:**
  - Calendar Period End Date

- Ledger Name
- Dataset Name
- Currency Name
  
- **Book Balance, Current Net Rate, Origination Date, Maturity Date, and Payment Frequency worksheets:**  
Line Item Name
  
- **Amort Type / Adjust Type / Repricing, Line Item, and Natural Account worksheets:**
  - Object Name
  - Object Definition Name

## Rows

The stratification reports have these rows. If applicable, the calculation for the row is provided below.

- **Book Balance worksheet:**

Book Balance

Calculation:

```

DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T1L),:S1_T1H),EPF <Report-Specific Term>.Current Gross
Book Balance,'01. '||:S1_T1L||' - '||:S1_T1H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T2L),:S1_T2H),EPF <Report-Specific Term>.Current Gross
Book Balance,'02. '||:S1_T2L||' - '||:S1_T2H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T3L),:S1_T3H),EPF <Report-Specific Term>.Current Gross
Book Balance,'03. '||:S1_T3L||' - '||:S1_T3H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T4L),:S1_T4H),EPF <Report-Specific Term>.Current Gross
Book Balance,'04. '||:S1_T4L||' - '||:S1_T4H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T5L),:S1_T5H),EPF <Report-Specific Term>.Current Gross
Book Balance,'05. '||:S1_T5L||' - '||:S1_T5H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T6L),:S1_T6H),EPF <Report-Specific Term>.Current Gross
Book Balance,'06. '||:S1_T6L||' - '||:S1_T6H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T7L),:S1_T7H),EPF <Report-Specific Term>.Current Gross
Book Balance,'07. '||:S1_T7L||' - '||:S1_T7H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T8L),:S1_T8H),EPF <Report-Specific Term>.Current Gross
Book Balance,'08. '||:S1_T8L||' - '||:S1_T8H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T9L),:S1_T9H),EPF <Report-Specific Term>.Current Gross
Book Balance,'09. '||:S1_T9L||' - '||:S1_T9H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Current Gross Book
Balance,:S1_T10L),:S1_T10H),EPF <Report-Specific Term>.Current Gross
Book Balance,'10. '||:S1_T10L||' - '||:S1_T10H,'Other')))))))

```

- **Current Net Rate worksheet:**

Cur Net Rate

Calculation:

```

DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T1L),:S2_T1H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'01. '||:S2_T1L||' -
'||:S2_T1H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T2L),:S2_T2H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'02. '||:S2_T2L||' -
'||:S2_T2H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T3L),:S2_T3H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'03. '||:S2_T3L||' -
'||:S2_T3H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T4L),:S2_T4H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'04. '||:S2_T4L||' -
'||:S2_T4H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T5L),:S2_T5H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'05. '||:S2_T5L||' -
'||:S2_T5H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T6L),:S2_T6H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'06. '||:S2_T6L||' -
'||:S2_T6H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T7L),:S2_T7H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'07. '||:S2_T7L||' -
'||:S2_T7H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T8L),:S2_T8H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'08. '||:S2_T8L||' -
'||:S2_T8H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T9L),:S2_T9H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'09. '||:S2_T9L||' -
'||:S2_T9H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>."Non-weighted
Current Net Rate",:S2_T10L),:S2_T10H),EPF <Report-Specific
Term>."Non-weighted Current Net Rate",'10. '||:S2_T10L||' -
'||:S2_T10H,'Other')))))))

```

- **Origination Date worksheet:**

Origination Date

Calculation:

```

DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T1L),:S3_T1H),EPF <Report-Specific Term>.Origination
Date,'01. '||:S3_T1L||' - '||:S3_T1H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T2L),:S3_T2H),EPF <Report-Specific Term>.Origination
Date,'02. '||:S3_T2L||' - '||:S3_T2H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T3L),:S3_T3H),EPF <Report-Specific Term>.Origination
Date,'03. '||:S3_T3L||' - '||:S3_T3H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T4L),:S3_T4H),EPF <Report-Specific Term>.Origination
Date,'04. '||:S3_T4L||' - '||:S3_T4H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T5L),:S3_T5H),EPF <Report-Specific Term>.Origination
Date,'05. '||:S3_T5L||' - '||:S3_T5H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T6L),:S3_T6H),EPF <Report-Specific Term>.Origination
Date,'06. '||:S3_T6L||' - '||:S3_T6H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T7L),:S3_T7H),EPF <Report-Specific Term>.Origination
Date,'07. '||:S3_T7L||' - '||:S3_T7H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T8L),:S3_T8H),EPF <Report-Specific Term>.Origination
Date,'08. '||:S3_T8L||' - '||:S3_T8H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T9L),:S3_T9H),EPF <Report-Specific Term>.Origination
Date,'09. '||:S3_T9L||' - '||:S3_T9H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Origination
Date,:S3_T10L),:S3_T10H),EPF <Report-Specific Term>.Origination
Date,'10. '||:S3_T10L||' - '||:S3_T10H,'Other')))))))))))

```

- **Maturity Date worksheet:**

Maturity Date

Calculation:

```

DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T1L),:S4_T1H),EPF <Report-Specific Term>.Maturity Date,'01.
'||:S4_T1L||' - '||:S4_T1H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T2L),:S4_T2H),EPF <Report-Specific Term>.Maturity Date,'02.
'||:S4_T2L||' - '||:S4_T2H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T3L),:S4_T3H),EPF <Report-Specific Term>.Maturity Date,'03.
'||:S4_T3L||' - '||:S4_T3H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T4L),:S4_T4H),EPF <Report-Specific Term>.Maturity Date,'04.
'||:S4_T4L||' - '||:S4_T4H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T5L),:S4_T5H),EPF <Report-Specific Term>.Maturity Date,'05.
'||:S4_T5L||' - '||:S4_T5H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T6L),:S4_T6H),EPF <Report-Specific Term>.Maturity Date,'06.
'||:S4_T6L||' - '||:S4_T6H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T7L),:S4_T7H),EPF <Report-Specific Term>.Maturity Date,'07.
'||:S4_T7L||' - '||:S4_T7H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T8L),:S4_T8H),EPF <Report-Specific Term>.Maturity Date,'08.
'||:S4_T8L||' - '||:S4_T8H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T9L),:S4_T9H),EPF <Report-Specific Term>.Maturity Date,'09.
'||:S4_T9L||' - '||:S4_T9H,
DECODE(LEAST(GREATEST(EPF <Report-Specific Term>.Maturity
Date,:S4_T10L),:S4_T10H),EPF <Report-Specific Term>.Maturity
Date,'10. '||:S4_T10L||' - '||:S4_T10H,'Other'))))))))

```

- **Payment Frequency worksheet:**
  - Payment Mult
  - Payment Term
  - Remaining Payments
  
- **Amort Type / Adjust Type / Repricing worksheet:**
  - Line Item (Level20)
  - Amrt Type Code
  - Adj Type Code
  - Reprice Mult
  - Reprice Freq
  
- **Line Item worksheet:**
  - Line Item Hierarchy (Via join, default display to level 20)

- **Natural Account worksheet:**

Natural Account Hierarchy (Via join, default display to level 20)

### **Report Headings and Calculations (Columns)**

These headings and calculations are common to the stratification reports. If applicable, the source for the column is provided below.

- **All worksheets:**

- Current Book Balance

Source: Current Gross Book Balance SUM (a seeded calculated item in the EPF core business area)

- Record Count

- **Book Balance worksheet:**

Current Par Balance

Source: Current Gross Par Balance SUM (a seeded calculated item in the EPF core business area)

- **Current Net Rate worksheet:**

Current Net Rate

### **Totals**

All worksheets in the stratification reports have a total for every column.

### **Related Topics**

Stratification Reports, page 5-14



---

## Oracle Financial Services Audit Reports

This chapter describes the reports you use to analyze data from business processes in Oracle Financial Services (OFS) applications such as Oracle Transfer Pricing.

This chapter covers the following topics:

- Overview of Oracle Financial Services Audit Reports
- STD-AUDIT Cash Flow Edits
- STD-AUDIT Process Cash Flows

### Overview of Oracle Financial Services Audit Reports

Use Oracle Financial Services (OFS) audit reports to view the results of cash flow edits and cash flow processing. The following table lists the Oracle Financial Services (OFS) audit reports and their Discoverer file names.

Report Name	Discoverer Workbook Title	Discoverer Worksheet Title
STD - AUDIT Cash Flow Edits, page 6-1	STD-AUDIT Cash Flow Edits	Cash Flow Edits
STD - AUDIT Process Cash Flows, page 6-3	STD-AUDIT Process Cash Flows	Process Cash Flows

### Related Topics

Overview of the Reports, page 4-1

### STD-AUDIT Cash Flow Edits

Use this crosstab report to view the results of the cash flow edits process.

The STD-AUDIT Cash Flow Edits report references data stored in the FTP\_CF\_CORRECTIONS table. This table contains a log of data inconsistencies found, and corresponding data corrections made, during a Cash Flow Edits rule run.

The account table data must be clean, complete and correct for Oracle Transfer Pricing to perform cash flow processing and generate accurate transfer pricing and option cost results. Therefore, it is highly recommended that you create and run Cash Flow Edit rules before processing data to generate any type of cash flow-related results. Cash flow edit rules validate (test for consistency and completeness) and correct, account table data used in cash flow processing. See: Overview of Cash Flow Edits Rules, *Oracle Transfer Pricing User Guide*.

You should be able to run the STD-AUDIT Cash Flow Edits report for any Object Definition ID that exists in the FTP\_CF\_CORRECTIONS table.

**Important:** The STD-AUDIT Cash Flow Edits report returns data only after a Cash Flow Edit rule has been run.

## Business Area Folders

The STD-AUDIT Cash Flow Edits report is based on the following business area folders:

- **FTP Cf Corrections:** This is a simple Oracle Transfer Pricing (FTP) audit folder based on the FTP\_CF\_CORRECTIONS table.
- **EPF Object Catalog:** This is a simple dimension folder based on the FEM\_OBJECT\_CATALOG\_VL view that stores information such as processing rule information, and all version information for each object.

## Joins

The STD-AUDIT Cash Flow Edits report makes use of the following join to retrieve data:

- EPF Object Catalog.Object Id -> FTP Cf Corrections.Object Id

## Page Items

The STD-AUDIT Cash Flow Edits report is based on the following parameter:

- Object Name (Object ID Display Code)

## Rows

The STD-AUDIT Cash Flow Edits report includes the following rows:

- Error Code (Error Display Code)

- Error Description
- ID Number

## Report Headings and Calculations (Columns)

The STD-AUDIT Cash Flow Edits report has the following headings and calculations:

- Error Date
- Severity
- Table Name
- Field Name
- Field Value
- Corrected Value
- Count

Calculation: COUNT(1)

## Totals

Grand Total Rows Sum for Count, Label = "Total"

## Related Topics

[Overview of Oracle Financial Services Audit Reports, page 6-1](#)

[Overview of the Reports, page 4-1](#)

## STD-AUDIT Process Cash Flows

Use this tabular report to view the results of the cash flow processing. The STD-AUDIT Process Cash Flows report references data stored in the FTP\_PROCESS\_CASH\_FLOWS table.

The FTP\_PROCESS\_CASH\_FLOWS table is populated when you select the Detail Cash Flows audit option while executing a Transfer Pricing Process rule. The Cash Flow engine outputs detailed calculation results for a maximum of five instrument records per execution to this table. Users typically select the Detail Cash Flows audit option when testing setup of new products where result validation is required.

You should be able to run the STD-AUDIT Process Cash Flows report for any Object Definition ID that exists in the FTP\_PROCESS\_CASH\_FLOWS table.

**Important:** The STD-AUDIT Process Cash Flows report returns data only after you have run Transfer Pricing Process rule and only if you selected the Detail Cash Flows audit option while running the rule.

## Business Area Folders

The STD-AUDIT Process Cash Flows report is based on the following business area folders:

- **EPF Currencies:** This is a simple dimension folder based on the FEM\_CURRENCIES\_VL view.
- **EPF Financial Elements:** This is a simple dimension folder based on the FEM\_FIN\_ELEMS\_VL view.
- **EPF Line Items:** This is a simple dimension folder based on the FEM\_LN\_ITEMS\_VL view.
- **EPF Object Catalog:** This is a simple dimension folder based on the FEM\_OBJECT\_CATALOG\_VL view that stores information such as processing rule information, and all version information for each object.
- **FTP Process Cash Flows:** This is a simple Oracle Transfer Pricing (FTP) audit folder based on the FTP\_PROCESS\_CASH\_FLOWS table.

## Joins

The STD-AUDIT Process Cash Flows report make use of the following joins to retrieve data:

- EPF Object Catalog.Object ID -> FTP Process Cash Flows.Object ID
- EPF Line Items.Line Item ID -> FTP Process Cash Flows.Line Item ID
- EPF Currencies.Currency code -> FTP Process Cash Flows.Currency Code
- EPF Financial Elements.Financial element ID -> FTP Process Cash Flows.Financial Element ID

## Conditions

The STD-AUDIT Process Cash Flows report uses the following condition to filter data:

- EPF Object Catalog.Object Type Code = 'TP\_PROCESS\_RULE'

## Page Items

The STD-AUDIT Process Cash Flows report is based on the following parameters:

- Object Name
- Currency Name
- Scenario Num
- ID Number
- Record Sequence

## Report Headings and Calculations (Columns)

The STD-AUDIT Process Cash Flows report has the following headings and calculations:

- Line Item #
- Line Item
- Cash Flow Sequence
- Financial Element ID
- Cash Flow Date
- Balance
- Cash Flow Code

## Related Topics

Overview of Oracle Financial Services Audit Reports, page 6-1

Overview of the Reports, page 4-1



---

# Oracle Transfer Pricing Reports

This chapter describes the Oracle Transfer Pricing reports and the procedure for generating and viewing them.

This chapter covers the following topics:

- Overview of Oracle Transfer Pricing Reports
- STD - FTP Interest Margin Account Detail
- STD - FTP Interest Margin Account (Org/Product, Summary)
- STD - FTP Margin Stratification

## Overview of Oracle Transfer Pricing Reports

Oracle Transfer Pricing (FTP) leverages fact data defined in two core business areas, EPF and FTP, to provide you with reports to analyze data from business processes in your application or to evaluate the quality of your business data. The EPF and FTP business areas reside in a standard Oracle Applications end user layer (EUL\_US) and are populated through facts, joins, and lookup tables. See:

- Core EPF Business Area and its Components, page 2-1.
- Core FTP Business Area, page 2-38.
- Overview of the Reports, page 4-1.
- Common Report Concepts, page 4-2

Oracle Transfer Pricing (FTP) provides you the following three types of reports:

- **Data Management reports:** Use the data management reports to evaluate the quality of your data. See: Overview of Data Management Reports, page 5-1.
- **Audit reports:** Use the Oracle Financial Services (OFS) audit reports to view the results of cash flow edits and cash flow processing. See: Overview of Oracle

Financial Services Audit Reports, page 6-1.

- **Transfer Pricing reports:** Use the transfer pricing reports to find out the account level match funded spread and the interest margin for each product in your portfolio or for a transfer rate stratification range.

The following table list the transfer pricing reports and their Discoverer file names.

### ***Transfer Pricing Reports***

<b>Report Name</b>	<b>Discoverer Workbook Title</b>	<b>Discoverer Worksheet Title</b>
STD - FTP Interest Margin Account Detail, page 7-2	STD - FTP Interest Margin Account Detail	FTP Interest Margin Account Detail
STD - FTP Interest Margin (Org/Product, Summary), page 7-5	STD - FTP Interest Margin (Org/Product Summary)	FTP Interest Margin (Org/Product Summary)
STD - FTP Margin Stratification, page 7-9	STD - FTP Margin Stratification	<ul style="list-style-type: none"><li>• FTP Margin Stratification</li><li>• FTP Margin Stratification Over Time</li></ul>

You can run these reports either from the Document tab of the Oracle Transfer Pricing application, or use the Oracle Discoverer Desktop or Discoverer Administration applications themselves. See:

- *Generating and Viewing Reports, page 4-3.*
- *Oracle Business Intelligence Discoverer Desktop User's Guide and Oracle Business Intelligence Discoverer Administration Guide*

## **STD - FTP Interest Margin Account Detail**

This hierarchical report is based on account-level data and shows both the account level match funded spread and the interest margin for each product.

This reports lets you:

- Select the hierarchy and appropriate calendar period.
- Drill down through the various levels of the hierarchy.

## Business Area Folders

The STD - FTP Interest Margin Account Detail report is based on the following business area folders:

- **EPF Currencies:** This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
- **EPF Datasets:** This simple dimension folder is based on the FEM\_DATASETS\_VL view.
- **EPF Ledgers:** This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
- **EPF All Account Tables:** This is a custom folder that joins instrument tables and presents views that link them.
- **Line Items Dimension Hierarchy:** This is a hierarchical dimension folder. Each hierarchy folder contains the hierarchy definition information and up to twenty levels of parent-child relationships. Within each level, the internal dimension member ID, member display code, and member name and description are available.

## Joins

The STD - FTP Interest Margin Account Detail report makes use of the following joins to retrieve data:

- EPF Currencies.Currency code -> EPF All Account Tables.Currency
- EPF Datasets.Dataset code -> EPF All Account Tables.Dataset
- EPF Ledgers.Ledger ID -> EPF All Account Tables.Ledger
- Line Items Dimension Hierarchy.Level20 ID -> EPF All Account Tables.Line Item

## Conditions

The STD - FTP Interest Margin Account Detail report uses the following condition to filter data:

- Ledger = Ledger and Dimension Value Set Mapping

## Page Items

The STD - FTP Interest Margin Account Detail report is based on the following parameters:

- Ledger
- Dataset
- Effective Date
- Currency
- Hierarchy Name
- Hierarchy Version

## Rows

The STD - FTP Interest Margin Account Detail report has the following row:

- Line Item ID (Hierarchy Levels 2 and 3)

## Report Headings and Calculations (Columns)

The STD - FTP Interest Margin Account Detail report has these headings and calculations (columns). If applicable, the calculation, source, or default value for the column is provided below.

- Record Count  
Calculation: COUNT(1)
- Average Balance  
Source: Average Gross Book Balance  
Calculation: SUM(Average Gross Book Balance)
- Ending Balance  
Source: Current Gross Book Balance  
Calculation: SUM(Current Gross Book Balance)
- Current Net Rate  
Calculation: SUM(EPF All Account Tables.Weighted Current Net Rate)/SUM(EPF All Account Tables."Sum(Current Gross Par Balance)")
- Transfer Rate  
Calculation: SUM(EPF All Account Tables.Weighted Transfer Rate)/SUM(EPF All Account Tables."Sum(Current Gross Par Balance)")
- % Margin

Calculation:  $\text{SUM}(\text{EPF All Account Tables.Weighted Matched Spread})/\text{SUM}(\text{EPF All Account Tables."Sum(Current Gross Par Balance)"})$

- Interest Income/Expense

Calculation:  $\text{Current Net Rate} * \text{Sum(Average Gross Book Balance) SUM} * (30/36000)$

- TP Charge/Credit

Calculation:  $\text{Transfer Rate} * \text{Sum(Average Gross Book Balance) SUM} * (30/36000)$

- % Interest Margin

Calculation:  $\text{"%Margin"} * \text{Sum(Average Gross Book Balance) SUM} * (30/36000)$

## Related Topics

Overview of Oracle Transfer Pricing Reports, page 7-1

Common Report Concepts, page 4-2

Generating and Viewing Reports, page 4-3

## STD - FTP Interest Margin Account (Org/Product, Summary)

This hierarchical report is based on summarized ledger data and shows both the account-level match funded spread and the interest margin for each product.

## Business Area Folders

The STD - FTP Interest Margin Account (Org/Product, Summary) report is based on the following business area folders:

- **EPF Currencies:** This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
- **EPF Datasets:** This simple dimension folder is based on the FEM\_DATASETS\_VL view.
- **EPF Ledgers:** This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
- **EPF Balances:** This simple folder is based on the FEM\_BALANCES table and contains summarized ledger data.
- **EPF Natural Account Dimension Hierarchy:** This is a hierarchical dimension folder based on the FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view.

Each hierarchy folder contains the hierarchy definition information and up to

twenty levels of parent-child relationships. Within each level, the internal dimension member ID, member display code, and member name and description are available.

The FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view is a hierarchy transformation view based on the FEM\_NAT\_ACCTS\_HIER table. LEVEL1 to LEVEL20 columns in FEM\_DIS\_NAT\_ACCTS\_HIER\_VL view represent hierarchy levels 1 through 20.

- **EPF Company Cost Center Organizations:** This simple dimension folder is based on the FEM\_CCTR\_ORGS\_VL view.
- **EPF Line Items:** This simple dimension folder is based on the FEM\_LN\_ITEMS\_VL view.

## Joins

The STD - FTP Interest Margin Account Detail (Org/Product, Summary) report makes use of the following joins to retrieve data:

- EPF Currencies.Currency code -> EPF Balances.Currency
- EPF Datasets.Dataset code -> EPF Balances.Dataset
- EPF Ledgers.Ledger Id -> EPF Balances.Ledger
- EPF Line Items.Line Item Id -> EPF Balances.Line Item
- EPF Company Cost Center Organizations.Company Cost Center Org Id -> EPF Balances.Company Cost Center Organization
- Natural Accounts Dimension Hierarchy.Level20 Id -> EPF Balances.Natural Account

## Conditions

The STD - FTP Interest Margin Account Detail (Org/Product, Summary) report uses the following conditions to filter data:

- EPF Balances.Financial Element IN (140,100,170,420,450)
- Ledger and Company Cost Center Organization Dimension Value Set Mapping
- Ledger and Natural Account Dimension Value Set Mapping
- Ledger and Line Item Dimension Value Set Mapping

## Page Items

The STD - FTP Interest Margin Account Detail (Org/Product, Summary) report is based on the following parameters:

- Ledger
- Dataset
- Currency
- Effective Date
- Company Cost Center Organization
- Line Item
- Hierarchy Name
- Hierarchy Version

## Rows

The STD – FTP Interest Margin Account (Org/Product Summary) report displays Natural Accounts included in the Natural Account hierarchy as rows (display defaults to level 3 of the hierarchy).

## Report Headings and Calculations (Columns)

The STD - FTP Interest Margin Account Detail (Org/Product, Summary) report has these headings and calculations (columns). If applicable, the calculation, source, or default value for the column is provided below.

- Average Balance  
Calculation: `SUM(DECOD(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0))`
- Ending Balance  
Calculation: `SUM(DECOD(EPF Balances.Financial Element,100,EPF Balances.Period to Date Balance Entered,0))`
- Current Rate  
Calculation: `DECODE(SUM(DECOD(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0)),0,0,SUM(DECOD(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance`

Entered,0))/SUM(Decode(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0))\*360/30)

- Transfer Rate

Calculation:  $Decode(Sum(Decode(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0)),0,0,Sum(Decode(EPF Balances.Financial Element,170,EPF Balances.Period to Date Balance Entered,0))/Sum(Decode(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0)))$

- % Margin

Calculation:  $Decode(Sum(Decode(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0)),0,0,Sum(Decode(EPF Get Dimension Attribute Value('NATURAL_ACCOUNT','EXTENDED_ACCOUNT_TYPE',EPF Balances.Natural Account,Natural Accounts Dimension Hierarchy.Value set id,NULL,NULL),'ASSET',Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0))*360/30-Decode(EPF Balances.Financial Element,170,EPF Balances.Period to Date Balance Entered,0),'EARNING ASSET',Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0))*360/30-Decode(EPF Balances.Financial Element,170,EPF Balances.Period to Date Balance Entered,0),Decode(EPF Balances.Financial Element,170,EPF Balances.Period to Date Balance Entered,0)-Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0))*360/30))/Sum(Decode(EPF Balances.Financial Element,140,EPF Balances.Period to Date Balance Entered,0)))$

- Interest Income/Expense

Calculation:  $Sum(Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0))$

- TP Charge/Credit

Calculation:  $Sum(Decode(EPF Balances.Financial Element,450,EPF Balances.Period to Date Balance Entered,0))$

- Interest Margin

Calculation:  $Sum(Decode(EPF Get Dimension Attribute Value('NATURAL_ACCOUNT','EXTENDED_ACCOUNT_TYPE',EPF Balances.Natural Account,Natural Accounts Dimension Hierarchy.Value set id,NULL,NULL),'ASSET',Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0)-Decode(EPF Balances.Financial Element,450,EPF Balances.Period to Date Balance Entered,0),'EARNING ASSET',Decode(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0)-Decode(EPF Balances.Financial Element,450,EPF Balances.Period to Date Balance Entered,0),Decode(EPF Balances.Financial$

Element,450,EPF Balances.Period to Date Balance Entered,0)-DECODE(EPF Balances.Financial Element,420,EPF Balances.Period to Date Balance Entered,0)))

## Related Topics

Overview of Oracle Transfer Pricing Reports, page 7-1

Common Report Concepts, page 4-2

Generating and Viewing Reports, page 4-3

## STD - FTP Margin Stratification

This report is based on the account level data and lets you define up to 10 transfer rate stratification ranges. The report shows both the matched spread and interest margin for each stratification range. The report comprises two Discoverer worksheets:

- **TP Margin Stratification:** This worksheet provides a stratification on transfer rate for a single Calendar Period.
- **TP Margin Stratification Over Time:** This worksheet provides the same information but with a stratification over time.

## Business Area Folders

Both the worksheets of the STD - FTP Margin Stratification report are based on the following business area folder:

- **EPF Currencies:** This simple dimension folder is based on the FEM\_CURRENCIES\_VL view.
- **EPF Datasets:** This simple dimension folder is based on the FEM\_DATASETS\_VL view.
- **EPF Ledgers:** This simple dimension folder is based on the FEM\_LEDGERS\_VL view.
- **EPF All Account Tables:** This is a custom folder that joins instrument tables and presents views that link them.
- **EPF Company Cost Center Organizations:** This simple dimension folder is based on the FEM\_CCTR\_ORGS\_VL view.
- **EPF Line Items:** This simple dimension folder is based on the FEM\_LN\_ITEMS\_VL view.
- **EPF Natural Accounts:** This simple dimension folder is based on the

FEM\_NAT\_ACCTS\_VL view.

## Joins

Both the worksheets of the STD - FTP Margin Stratification report make use of the following joins to retrieve data:

- EPF Currencies.Currency code -> EPF All Account Tables.Currency
- EPF Datasets.Dataset code -> EPF All Account Tables.Dataset
- EPF Ledgers.Ledger Id -> EPF All Account Tables.Ledger
- EPF Company Cost Center Organizations.Company Cost Center Org Id -> EPF All Account Tables.Company Cost Center Organization
- EPF Line Items.Line Item Id -> EPF All Account Tables.Line Item
- EPF Natural Accounts.Natural Account Id -> EPF All Account Tables.Natural Account

## Conditions

The STD - FTP Interest Margin Account Detail (Org/Product, Summary) report uses the following conditions to filter data:

- **TP Margin Stratification worksheet:**
  - Ledger and Company Cost Center Organizations Dimension Value Set Mapping
  - Ledger and Natural Account Dimension Value Set Mapping
  - Ledger and Line Items Dimension Value Set Mapping
- **TP Margin Stratification Over Time worksheet:**
  - Ledger and Company Cost Center Organizations Dimension Value Set Mapping
  - Ledger and Natural Account Dimension Value Set Mapping
  - Ledger and Line Items Dimension Value Set Mapping
  - EPF All Account Tables (Calendar Period End Date BETWEEN :end\_date\_lAND:end\_date\_h)

## Page Items

The STD - FTP Margin Stratification report is based on the following parameters:

- Ledger
- Dataset
- Currency
- Company Cost Center Organization
- Natural Account
- Line Item

## Rows

The STD - FTP Margin Stratification report has the following row:

Instrument Type Code

Calculation:

```
Stratification - Transfer Rate: DECODE(LEAST(GREATEST(EPF All Account
Tables.Non weighted Transfer Rate,:S1_T1L),:S1_T1H),EPF All Account
Tables.Non weighted Transfer Rate,'01. 0 -
'||:S1_T1H,DECODE(LEAST(GREATEST(EPF All Account Tables.Non weighted
Transfer Rate,:S1_T2L),:S1_T2H),EPF All Account Tables.Non weighted
Transfer Rate,'02.  '||:S1_T2L||' - '||:S1_T2H,DECODE(LEAST(GREATEST(EPF
All Account Tables.Non weighted Transfer Rate,:S1_T3L),:S1_T3H),EPF All
Account Tables.Non weighted Transfer Rate,'03.  '||:S1_T3L||' -
'||:S1_T3H,DECODE(LEAST(GREATEST(EPF All Account Tables.Non weighted
Transfer Rate,:S1_T4L),:S1_T4H),EPF All Account Tables.Non weighted
Transfer Rate,'04.  '||:S1_T4L||' - '||:S1_T4H,DECODE(LEAST(GREATEST(EPF
All Account Tables.Non weighted Transfer Rate,:S1_T5L),:S1_T5H),EPF All
Account Tables.Non weighted Transfer Rate,'05.  '||:S1_T5L||' -
'||:S1_T5H,DECODE(LEAST(GREATEST(EPF All Account Tables.Non weighted
Transfer Rate,:S1_T6L),:S1_T6H),EPF All Account Tables.Non weighted
Transfer Rate,'06.  '||:S1_T6L||' - '||:S1_T6H,DECODE(LEAST(GREATEST(EPF
All Account Tables.Non weighted Transfer Rate,:S1_T7L),:S1_T7H),EPF All
Account Tables.Non weighted Transfer Rate,'07.  '||:S1_T7L||' -
'||:S1_T7H,DECODE(LEAST(GREATEST(EPF All Account Tables.Non weighted
Transfer Rate,:S1_T8L),:S1_T8H),EPF All Account Tables.Non weighted
Transfer Rate,'08.  '||:S1_T8L||' - '||:S1_T8H,DECODE(LEAST(GREATEST(EPF
All Account Tables.Non weighted Transfer Rate,:S1_T9L),:S1_T9H),EPF All
Account Tables.Non weighted Transfer Rate,'09.  '||:S1_T9L||' -
'||:S1_T9H,DECODE(LEAST(GREATEST(EPF All Account Tables.Non weighted
Transfer Rate,:S1_T10L),:S1_T10H),EPF All Account Tables.Non weighted
Transfer Rate,'10.  '||:S1_T10L||' - '||:S1_T10H,'Other')))))))))))
```

## Report Headings and Calculations (Columns)

- Both worksheets:

- Record Count  
Calculation: COUNT(1)
- Average Balance  
Source: Average Gross Book Balance  
Calculation: Sum(Average Gross Book Balance)
- Ending Balance  
Source: Current Gross Book Balance  
Calculation: Sum(Current Gross Book Balance)
- Current Rate  
Calculation: SUM(EPF All Account Tables.Weighted Current Net Rate)/SUM(EPF All Account Tables."Sum(Current Gross Par Balance)")
- Transfer Rate  
Calculation: SUM(EPF All Account Tables.Weighted Transfer Rate)/SUM(EPF All Account Tables."Sum(Current Gross Par Balance)")
- % Margin  
Calculation: SUM(EPF All Account Tables.Weighted Matched Spread)/SUM(EPF All Account Tables."Sum(Current Gross Par Balance)")
- **TP Margin Stratification worksheet:**
  - Interest Income/Expense  
Calculation: (Current Rate\*EPF All Account Tables."Sum(Average Gross Book Balance)" )\*30/36000
  - TP Charge/Credit  
Calculation: (Transfer Rate\*EPF All Account Tables."Sum(Average Gross Book Balance)" )\*30/36000
  - Interest Margin  
Calculation: ("% Margin"\*EPF All Account Tables."Sum(Average Gross Book Balance)" )\*30/36000
- **TP Margin Stratification Over Time worksheet:**
  - End Date (header level column)  
Source: Calendar Period End Date

## **Totals**

Grand Total Rows Sum for Record Count

## **Related Topics**

Overview of Oracle Transfer Pricing Reports, page 7-1

Common Report Concepts, page 4-2

Generating and Viewing Reports, page 4-3



---

# Index

## A

---

Account folders, 2-2  
Account Folder Union's folders, 2-3  
audit reports  
    *See* Oracle Financial Services audit reports

## B

---

business areas  
    accessing details, 2-1  
    creating to limit data access, 3-2  
    end user layer (EUL\_US), 2-38  
        *See also* FTP - Core Business Area  
    in reporting architecture, 1-2  
        *See also* EPF - Core Business Area  
    managing, 3-1  
    managing security, 3-2

## C

---

calculated items  
    creating, 2-36  
    instrument tables, 2-31  
Customer Profitability folders, 2-3

## D

---

data folders  
    accessing details, 2-14  
    description, 2-11  
    joins, 2-14  
data management reports  
    overview, 5-1

*See also* GL instrument reports and stratification reports  
Dimension folders, 2-3  
Dimension Value Set Map folder  
    as basis for worksheet, 3-3  
    description, 1-6  
    relationships, 1-6

## E

---

Enterprise Performance Foundation (EPF) tables  
    *See* EPF tables  
Enterprise Performance Foundation Administrator responsibility, 1-3  
Enterprise Performance Foundation Discoverer Hierarchy Transformation Engine program  
    description, 1-3  
EPF Balances folder  
    data folders, 2-11  
    joins, 2-14  
    relationships, 1-6  
EPF - Core Business Area  
    components overview, 2-1  
    description, 1-2  
    folders  
        Account, 2-2  
        Account Folder Union's, 2-3  
        Customer Profitability, 2-3  
        Dimension, 2-3  
        Hierarchy, 2-10  
        Ledger Balances, 2-1  
        Other Account, 2-2  
    overview of data entities, 1-2

- registered PL/SQL functions, 2-37
- EPF data entities
  - overview, 1-2
  - relationships and presentation, 1-3
- EPF Natural Accounts Dimension Hierarchy folder
  - relationships, 1-6
- EPF object catalog
  - description, 1-3
- EPF tables
  - description, 1-2

## F

---

- FEM\_BALANCES table
  - fact table relationships, 1-4
  - folder relationships, 1-6
- FEM\_DIS\_LDGR\_DIM\_VS\_MAP view
  - joins to filter data, 3-3
  - relationships, 1-4
- FEM\_NAT\_ACCTS\_B table
  - relationships, 1-4
- FEM\_NAT\_ACCTS\_HIER table
  - relationships, 1-4
- folders
  - creating or changing properties, 3-1
  - data folders, 2-11
  - hierarchy folders, 2-20
  - in EPF - Core Business Area, 2-1
  - in Oracle Discoverer business areas, 1-6
  - instrument folders, 2-31
- FTP - Core Business Area
  - folders, 2-38
  - overview, 2-38
  - source tables, 2-38
- FTP Supervisor responsibility, 1-3

## G

---

- GL instrument reports
  - overview, 5-1
  - STD – DATA GL Instrument Upload, 5-9
  - STD – DATA Instrument to GL Reconciliation, 5-2

## H

---

- hierarchy folders

- description, 2-20
- Hierarchy folders, 2-10
- hierarchy tables
  - joins, 2-28

## I

---

- ICX\_DEFAULT\_EUL profile option, 3-4
- ICX\_DISCOVERER\_EUL\_LANGUAGE profile option, 3-4
- ICX\_DISCOVERER\_LAUNCHER profile option, 3-4
- ICX\_DISCOVERER\_PARAMETERS profile option, 3-5
- ICX\_DISCOVERER\_RELEASE profile option, 3-4
- ICX\_DISCOVERER\_USE\_VIEWER profile option, 3-4
- ICX\_DISCOVERER\_VIEWER\_LAUNCHER profile option, 3-4
- instrument folders
  - calculated items, 2-31
- items
  - adding or changing properties, 3-1
  - See also* calculated items

## J

---

- joins
  - editing, 3-1

## L

---

- Ledger Balances folders, 2-1

## N

---

- Natural Accounts Dimension Hierarchy folder
  - content, 2-20
  - joins, 2-28
  - relationships, 1-6

## O

---

- OFSA
  - See* Oracle Financial Services Applications (OFSA)
- Oracle Discoverer
  - running multiple releases on the same instance, 3-3
- Oracle Discoverer Administration

- accessing business areas, 2-1
- accessing data folders, 2-14
- managing business areas, 3-1
- managing security in business areas, 3-2
- running reports, 4-3
- Oracle Discoverer Desktop
  - running reports, 4-3
- Oracle Discoverer Plus
  - description, 4-1
  - running reports, 4-3
- Oracle Financial Services Applications (OFSA)
  - reporting solution, 1-1
    - See also* reports
- Oracle Financial Services audit reports
  - discoverer file names, 6-1
  - list of reports, 6-1
  - Overview, 6-1
  - reporting solution , 6-1
  - STD-AUDIT Cash Flow Edits report
    - business area folders, 6-2
    - joins, 6-2
    - overview, 6-1
    - page items, 6-2
    - report headings and calculations (columns), 6-3
    - rows, 6-2
    - totals, 6-3
  - STD-AUDIT Process Cash Flows report
    - business area folders, 6-4
    - conditions, 6-4
    - joins, 6-4
    - overview, 6-3
    - page items, 6-5
    - report headings and calculations (columns), 6-5
- Oracle Transfer Pricing reports
  - types
    - audit reports, 7-1
    - data management reports, 7-1
    - transfer pricing reports, 7-1
- Other Account folders, 2-2

## P

---

- PL/SQL functions
  - registered in EPF - Core Business Area, 2-37
- profile options

- ICX\_DEFAULT\_EUL, 3-4
- ICX\_DISCOVERER\_EUL\_LANGUAGE, 3-4
- ICX\_DISCOVERER\_LAUNCHER, 3-4
- ICX\_DISCOVERER\_PARAMETERS, 3-5
- ICX\_DISCOVERER\_RELEASE, 3-4
- ICX\_DISCOVERER\_USE\_VIEWER, 3-4
- ICX\_DISCOVERER\_VIEWER\_LAUNCHER, 3-4

## R

---

- relationships
  - EPF data entities, 1-3
- reporting architecture
  - content, 1-2
  - overview, 1-2
  - relationships between EPF data entities, 1-3
- reports
  - See* data management reports
  - See* GL instrument reports
  - See* Oracle Financial Services audit reports
  - See* stratification reports
  - See* transfer pricing reports
  - common concepts
    - business area folders, 4-2
    - conditions, 4-2
    - joins, 4-2
    - parameters, 4-2
    - report headings and calculations (columns), 4-2
    - rows, 4-2
    - totals, 4-2
  - generating and viewing, 4-3
  - overview, 4-1
- responsibilities
  - Enterprise Performance Foundation Administrator, 1-3
  - FTP Supervisor, 1-3
  - System Administrator, 3-3

## S

---

- STD – DATA GL Instrument Upload report
  - business area folders, 5-9
  - conditions, 5-10
  - description, 5-9
    - See also* GL instrument reports
  - joins, 5-10

- parameters, 5-11
- report headings and calculations (columns), 5-11
- rows, 5-11
- STD – DATA Instrument to GL Reconciliation report
  - business area folders, 5-3
  - conditions, 5-4
  - description, 5-2
    - See also* GL instrument reports
  - joins, 5-4
  - parameters, 5-5
  - report headings and calculations (columns), 5-5
  - rows, 5-5
- STD – DATA Stratification CHECKING report
  - See* stratification reports
- STD – DATA Stratification COMMERCIAL LOANS report
  - See* stratification reports
- STD – DATA Stratification CONSUMER LOANS report
  - See* stratification reports
- STD – DATA Stratification CREDIT CARDS report
  - See* stratification reports
- STD – DATA Stratification INVESTMENTS report
  - See* stratification reports
- STD – DATA Stratification MORTGAGES report
  - See* stratification reports
- STD – DATA Stratification SAVINGS report
  - See* stratification reports
- STD – DATA Stratification TERM DEPOSITS report
  - See* stratification reports
- STD – DATA Stratification WHOLESALE FUNDING report
  - See* stratification reports
- stratification reports
  - common concepts
    - business-area folders, 5-18
    - conditions, 5-19
    - joins, 5-19
    - parameters, 5-19
    - report headings and calculations (columns), 5-25

- rows, 5-20
- totals, 5-25
- overview, 5-14
- System Administrator responsibility, 3-3

## T

---

- transfer pricing reports
  - discoverer file names, 7-1
  - list of reports, 7-1
  - Overview, 7-1
  - reporting solution , 7-1
  - STD - FTP Interest Margin Account Detail (Org/Product, Summary) report
    - business area folders, 7-5
    - conditions, 7-6
    - joins, 7-6
    - overview, 7-5
    - parameters, 7-6
    - report headings and calculations (columns), 7-7
    - rows, 7-7
  - STD - FTP Interest Margin Account Detail report
    - business area folders, 7-2
    - conditions, 7-3
    - joins, 7-3
    - overview, 7-2
    - parameters, 7-3
    - report headings and calculations (columns), 7-4
    - rows, 7-4
  - STD - FTP Margin Stratification report
    - business area folders, 7-9
    - conditions, 7-10
    - joins, 7-10
    - overview, 7-9
    - parameters, 7-11
    - report headings and calculations (columns), 7-11
    - rows, 7-11
    - totals, 7-13

## W

---

- workbooks
  - managing seeded ones, 3-3
- worksheets

used by workbook conditions to filter data, 3-3  
worksheet types, 4-2

