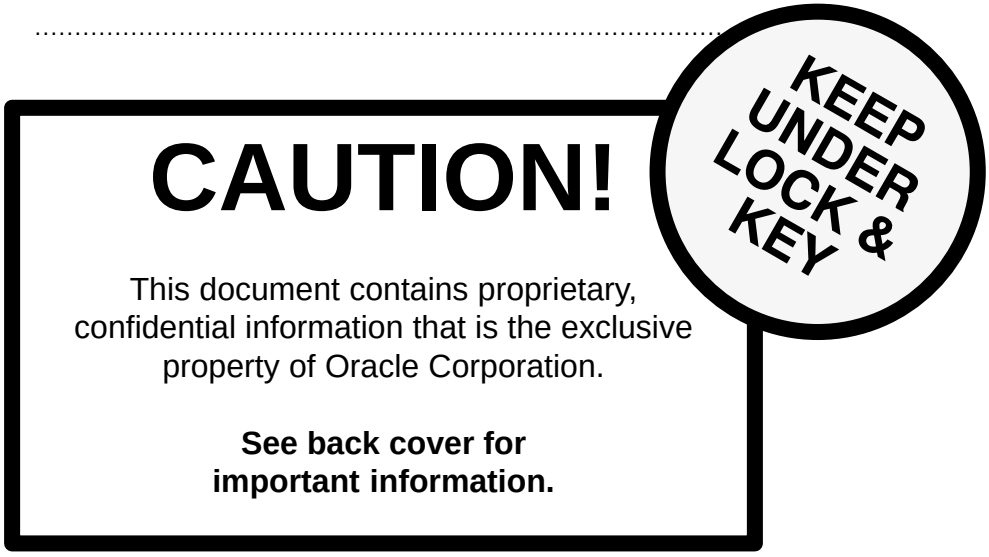
Oracle® Time Management

Technical Reference Manual

Release 11*i*



Oracle® Time Management Technical Reference Manual

RELEASE 11*i*

January 2000

ORACLE®

Oracle® Time Management Technical Reference Manual
Release 11*i*

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CHAPTER

1 Introduction

The *Oracle Time Management Technical Reference Manual* provides the information you need to understand the underlying structure of Oracle Time Management. After reading this manual, you should be able to convert your existing applications data, integrate your existing applications with your Oracle Time Management application, and write custom reports for your Oracle Time Management application, as well as read data that you need to perform other tasks.

This chapter introduces you to the *Oracle Time Management Technical Reference Manual*, and explains how to use it.

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Introduction

At Oracle, we design and build applications using Oracle Designer, our systems design technology that provides a complete environment to support developers through all stages of a systems life cycle. Because we use a repository–based design toolset, all the information regarding the underlying structure and processing of our applications is available to us online. Using Oracle Designer, we can present this information to you in the form of a technical reference manual.

This *Oracle Time Management Technical Reference Manual* contains detailed, up–to–date information about the underlying structure of Oracle Time Management. As we design and build new releases of Oracle Time Management , we update our Oracle Designer repository to reflect our enhancements. As a result, we can always provide you with an *Oracle Time Management Technical Reference Manual* that contains the latest technical information as of the publication date. Note that after the publication date we may have added new indexes to Oracle Time Management to improve performance.

About this Manual

This manual describes the Oracle Applications Release 11*i* data model, as used by Oracle Time Management; it discusses the database we include with a fresh install of Oracle Applications Release 11*i*. If you have not yet upgraded to Release 11, your database may differ from the database we document in this book.

If you have upgraded from a previous release, you might find it helpful to use this manual with the appropriate *Oracle Applications Product Update Notes* manual. The product update notes list database changes and seed data changes in Oracle Time Management between releases. The *Oracle Applications Product Update Notes Release 11* manual describes the changes between release 10.7 and release 11, and the *Oracle Applications Product Update Notes Release 11i* manual describes the changes between release 11 and release 11*i*.

You can contact your Oracle representative to confirm that you have the latest technical information for Oracle Time Management. You can also use Oracle*MetaLink* which is accessible through Oracle's Support Web Center (*http://www.oracle.com/support/elec_sup*).

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Finding the Latest Information

The *Oracle Time Management Technical Reference Manual* contains the latest information as of the publication date. For the latest information we encourage you to use Oracle*MetaLink* which is accessible through Oracle's Support Web Center (*http://www.oracle.com/support/elec_sup*).

Audience

The *Oracle Time Management Technical Reference Manual* provides useful guidance and assistance to:

- Technical End Users
- Consultants
- Systems Analysts
- System Administrators
- Other MIS professionals

This manual assumes that you have a basic understanding of structured analysis and design, and of relational databases. It also assumes that you are familiar with Oracle Application Object Library and your Oracle Time Management application. If you are not familiar with the above products, we suggest that you attend one or more of the training classes available through Oracle Education (see: Other Information Sources: page 1 – 8).

How This Manual is Organized

This manual contains two major sections, High–Level Design and Detailed Design.

High–Level Design

This section, Chapter 2, contains database diagrams, and lists each database table and view that Oracle Time Management uses. This chapter also has a list of modules.

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Detailed Design

This section, Chapter 3, contains a detailed description of the Oracle Time Management database design, including information about each database table and view you might need for your custom reporting or other data requirements.

How to Use This Manual

The *Oracle Time Management Technical Reference Manual* is a single, centralized source for all the information you need to know about the underlying structure and processing of your Oracle Time Management application. For example, you can use this manual when you need to:

- Convert existing application data
- Integrate your Oracle Time Management application with your other applications systems
- Write custom reports
- Define alerts against Oracle Applications tables
- Configure your Oracle Self–Service Web Applications
- Create views for decision support queries using query tools
- Create business views for Oracle Discoverer

You need not read this manual cover to cover. Use the table of contents and index to quickly locate the information you need.

Example #1

Suppose you are designing an interface between your Oracle Time Management application and your Project Accounting application. Your first step is to look at the Public Table List section of Chapter 2 for a table name resembling Project. (Keep in mind that Oracle Time Management tables have intuitive names).

Once you locate the right table (HXT_PROJECTS), you can refer to the Table and View Definitions section of Chapter 3 for a detailed description of the table and its columns. You can examine the column descriptions to ensure that your custom application references the correct columns. Then you can look at the Database Diagrams section in Chapter 2 to identify the tables related to HXT_PROJECTS. You can examine these related table descriptions to ensure that your application

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references any other tables holding information relevant to your application.

Example #2

Suppose you are writing a report to list the earning policies that exist in your enterprise. You should use the Public Table List in Chapter 2 to locate the table HXT_EARNING_POLICIES. Then you can examine the column descriptions in the Table and View Definitions section of Chapter 3 to learn what columns you should display in your report and how you should display them.

How Not To Use This Manual

Do not use this manual to plan modifications

You should not use this manual to plan modifications to your Oracle Time Management application. Modifying Oracle Time Management limits your ability to upgrade to future releases of your Oracle Time Management application. In addition, it interferes with our ability to give you the high–quality support you deserve.

We have constructed your Oracle Time Management application so that you can customize it to fit your needs without programming, and you can integrate it with your existing applications through interface tables. However, should you require program modifications, you should contact our support team (see: Other Information Sources: page 1 – 8). They can put you in touch with Oracle Services, the professional consulting organization of Oracle. Their team of experienced applications professionals can make the modifications you need while ensuring upward compatibility with future product releases.

Do not write data into non–interface tables

Oracle reserves the right to change the structure of Oracle Applications tables, and to change the meaning of, add, or delete lookup codes and data in future releases. Do not write data directly into or change data in non–interface tables using SQL*Plus or other programming tools because you risk corrupting your database and interfering with our ability to support you.

Moreover, this version of the *Oracle Time Management Technical Reference Manual* does not contain complete information about the dependencies between Oracle Time Management applications tables. Therefore, you

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should write data into only those tables we identify as interface tables. If you write data into other non–interface tables, you risk violating your data integrity since you might not fulfill all the data dependencies in your Oracle Time Management application.

You are responsible for the support and upgrade of the logic within the procedures that you write, which may be affected by changes between releases of Oracle Applications.

Do not rely on upward compatibility of the data model

Oracle reserves the right to change the structure of Oracle Time Management tables, and to change the meaning of, add, or delete lookup codes and other data in future releases. We do not guarantee the upward compatibility of the Oracle Time Management data model. For example, if you write a report that identifies concurrent requests that end in Error status by selecting directly from Oracle Application Object Library tables, we do not guarantee that your report will work properly after an upgrade.

About Oracle Application Object Library

The *Oracle Time Management Technical Reference Manual* may contain references to tables that belong to Oracle Application Object Library. Oracle Application Object Library is a collection of pre–built application components and facilities for building Oracle Applications and extensions to Oracle Applications. Oracle Application Coding Standards use the Oracle Application Object Library and contains shared components including but not limited to — forms, subroutines, concurrent programs and reports, database tables and objects, messages, menus, responsibilities, flexfield definitions and online help.

Attention: Oracle does not support *any* customization of Oracle Application Object Library tables or modules, not even by Oracle consultants. (Oracle Application Object Library tables generally have names beginning with FND_%.)

Accordingly, this manual does not contain detailed information about most Oracle Application Object Library tables used by your Oracle Time Management application.

A Few Words About Terminology

The following list provides you with definitions for terms that we use throughout this manual:

Relationship

A relationship describes any significant way in which two tables may be associated. For example, rows in the Journal Headers table may have a one–to–many relationship with rows in the Journal Lines table.

Database Diagram

A database diagram is a graphic representation of application tables and the relationships between them.

Summary Database Diagram

A summary database diagram shows the most important application tables and the relationships between them. It omits tables and relationships that contribute little to the understanding of the application data model. Typically, a summary database diagram shows tables that contain key reference and transaction data.

Module

A module is a program or procedure that implements one or more business functions, or parts of a business function, within an application. Modules include forms, concurrent programs and reports, and subroutines.

Application Building Block

An application building block is a set of tables and modules (forms, reports, and concurrent programs) that implement closely–related database objects and their associated processing. Said another way, an application building block is a logical unit of an application.

Lookups

Lookups, formerly known as QuickCodes, let you define general purpose, static lists of values for window fields. Lookups allow you to base your program logic on lookup codes while displaying user–friendly names in a list of values window. Lookups simplify name and language changes by letting you change the names your end

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users see, while the codes in your underlying programs remain the same.

Form

A form is a module comprised of closely related windows that are used together to perform a task. For example, the Enter Journals form in Oracle General Ledger includes the Enter Journals window, the Batch window, and the More Actions window among others. The Enter Journals window is the main window, and from it, you can use buttons to navigate to other windows in the form. The form name usually corresponds to the main window in the form, and is frequently a window you open directly from the Navigator.

Other Information Sources

There are additional information sources, including other documentation, training and support services, that you can use to increase your knowledge and understanding of Oracle Designer, Oracle Application Object Library, and your Oracle Time Management application. We want to make these products easy for you and your staff to understand and use.

Oracle Designer Online Documentation

The online help for Oracle Designer describes how you can use Oracle Designer for your development needs.

Oracle Applications Developer's Guide

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards*. It also provides information to help you build your custom Developer forms so that they integrate with Oracle Applications.

Oracle Applications User Interface Standards

This manual contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the

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Oracle Applications products and how to apply this UI to the design of an application built using Oracle Forms 6.

Oracle Time Management User Guide

Your user guide provides you with all the information you need to use your Release 11*i* Oracle Time Management application. Each user guide is organized for fast, easy access to detailed information in a function– and task–oriented organization.

Oracle Self–Service Web Applications Online Documentation

This documentation describes how Oracle Self–Service Web Applications enable companies to provide a self–service and secure Web interface for employees, customers, and suppliers. Employees can change their personal status, submit expense reports, or request supplies. Customers can check on their orders, and suppliers can share production schedules with their trading partners. This documentation is available in HTML only.

Oracle Applications Flexfields Guide

This guide provides flexfields planning, setup and reference information for the Oracle Time Management implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This manual also provides information on creating custom reports on flexfields data.

Oracle Workflow Guide

This manual explains how to define new workflow business processes as well as customize existing Oracle Applications–embedded workflow processes. You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow–enabled processes.

Oracle Alert User Guide

This manual explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

Multiple Reporting Currencies in Oracle Applications

If you use the Multiple Reporting Currencies feature to report and maintain accounting records in more than one currency, use this

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manual before implementing Oracle Time Management. This manual details additional steps and setup considerations for implementing Oracle Time Management with this feature.

Multiple Organizations in Oracle Applications

If you use the Oracle Applications Multiple Organization Support feature to use multiple sets of books for one Oracle Time Management installation, use this guide to learn about setting up and using Oracle Time Management with this feature. This book describes the Oracle Applications organization model, which defines business units and the relationships between them in an arbitrarily complex enterprise. Functional and technical overviews of multiple organizations are presented, as well as information about how to set up and implement this feature set in the relevant Oracle Applications products.

Oracle Manufacturing, Distribution, Sales and Service Open Interfaces Manual

This manual contains up–to–date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes open interfaces found in Oracle Manufacturing.

Oracle Applications Messages Manual

The Oracle Applications Messages Manual contains the text of numbered error messages in Oracle Applications. (Oracle Applications messages begin with the prefix "APP–".) It also provides information on the actions you take if you get a message. Note: This manual is available only in HTML format.

Installation and System Administration

Oracle Applications Installation Release Notes

This manual contains a road map to the components of the release, including instructions about where to access the Release 11*i* documentation set.

Oracle Applications Concepts

Designed to be the first book the user reads to prepare for an installation of Oracle Applications. It explains the technology stack,

architecture, features and terminology for Oracle Applications Release 11*i*. This book also introduces the concepts behind and major uses of Applications–wide features such as MRC, BIS, languages and character sets (NLS, MLS), BIS, Self–Service Web Applications and so on.

Installing Oracle Applications

Describes the One–Hour Install process, the method by which Release 11*i* will be installed. This manual includes all how–to steps, screen shots and information about Applications–wide post–install tasks.

Using the AD Utilities

This manual contains how–to steps, screen shots and other information required to run the various AD utilities such as AutoInstall, AutoPatch, AD Administration, AD Controller, Relink and so on. It also contains information about when and why you should use these utilities.

Upgrading Oracle Applications

This manual contains all the product specific pre and post–upgrade steps that are required to upgrade products from Release 10.7 (NCA, SC and character–mode) or Release 11 of Oracle Applications. This manual also contains an overview chapter that describes all the tasks necessary to prepare and complete a upgrade of Oracle Applications.

Oracle Applications System Administrator's Guide

This manual provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and manage concurrent processing.

Oracle Applications Product Update Notes

This book contains a summary of each new feature we added since Release 11, as well as information about database changes and seed data changes that may affect your operations or any custom reports you have written. If you are upgrading from Release 10.7 you also need to read *Oracle Applications Product Update Notes Release 11*.

Oracle Self–Service Web Applications Implementation Manual

This manual describes the setup steps for Oracle Self–Service Web Applications and the Web Applications Dictionary.

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Oracle Human Resources Implementation Manual

This manual contains up–to–date information about new Oracle Time Management features and guides you step–by–step through setting up and integrating your Oracle Time Management application. The *Oracle Human Resources Implementation Manual* helps you use your Oracle Time Management application to its fullest.

Oracle Applications Implementation Wizard User Guide

If you are implementing more than one Oracle product, you can use the Oracle Applications Implementation Wizard to coordinate your setup activities. This guide describes how to use the wizard.

Other Information

Training

Oracle Education offers a complete set of training courses to help you and your staff master Oracle Applications. We can help you develop a training plan that provides thorough training for both your project team and your end users. We will work with you to organize courses appropriate to your job or area of responsibility.

Training professionals can show you how to plan your training throughout the implementation process so that the right amount of information is delivered to key people when they need it the most. You can attend courses at any one of our many Educational Centers, or you can arrange for our trainers to teach at your facility. In addition, we can tailor standard courses or develop custom courses to meet your needs.

Support

From on–site support to central support, our team of experienced professionals provides the help and information you need to keep your Oracle Time Management application working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle server, and your hardware and software environment.

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About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support and office automation, as well as Oracle Applications. Oracle Applications provides the E–Business Suite, a fully integrated suite of more than 70 software modules for financial management, internet procurement, business intelligence, supply chain management, manufacturing, project systems, human resources and sales and service management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers, and personal digital assistants, enabling organizations to integrate different computers, different operating systems, different networks, and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and application products, along with related consulting, education and support services, in over 145 countries around the world.

Thank You

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CHAPTER

2 High–Level Design

This chapter presents a high–level design for Oracle Time Management that satisfies the business needs we specify during Strategy and Analysis. It contains database diagrams for Oracle Time Management application building blocks, lists of database tables and views, and a list of modules.

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Overview of High–Level Design

During High–Level Design, we define the application components (tables, views, and modules) we need to build our application. We specify what application components should do without specifying the details of *how* they should do it.

You can refer to this High–Level Design chapter to quickly acquaint yourself with the tables, views, and modules that comprise Oracle Time Management applications. And, you can prepare yourself to understand the detailed design and implementation of Oracle Time Management.

Summary Database Diagram

The Summary Database Diagram section graphically represents the most important application tables and the relationships between them. It omits tables and relationships that contribute little to the understanding of the application data model. Typically, a summary database diagram shows tables that contain key reference and transaction data.

We prepare a summary database diagram to describe, at a conceptual level, the key information on which our business depends. Later, we refine this summary database diagram, breaking it into multiple database diagrams (generally, one per application building block) to represent all the tables and relationships we need to implement our application in the database.

Review the Summary Database Diagram section to see at a glance the major tables and relationships on which your Oracle Time Management application depends.

Database Diagrams

The Database Diagrams section graphically represents all Oracle Time Management applications tables and the relationships between them, organized by building block.

Use this section to quickly learn what tables each Oracle Time Management application building block uses, and how those tables interrelate. Then, you can refer to the Table and View Definitions

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sections of Chapter 3 for more detailed information about each of those tables.

Table Lists

The Table List sections list the Oracle Time Management applications tables. Because a product might not include at least one table for each type, this Technical Reference Manual might not include each of the following sections.

Public Tables

Use the Public Table List section to quickly identify the tables you are most interested in. Then, you can refer to the Table and View Definitions sections of Chapter 3 for more detailed information about those tables.

In addition, this manual may contain full documentation for one or more of the following Application Object Library tables: FND_DUAL, FND_CURRENCIES, and FND_COMMON_LOOKUPS.

Internal Tables

This section includes a list of private, internal tables used by Oracle Time Management; we do not provide additional documentation for these tables.

View Lists

The View List sections list the Oracle Time Management views, with one section for each type of view. Because a product might not include at least one view for each type, this Technical Reference Manual might not include each of the following sections.

Use this section to quickly identify the views you are most interested in. Then, you can refer to the Table and View Definitions sections of Chapter 3 for more detailed information about those views.

Public Views

This section lists views that may be useful for your custom reporting or other data requirements. The list includes a description of the view,

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and the page in Chapter 3 that gives detailed information about the public view.

Web Views

This section lists views that you may need to configure your Self–Service Web applications. The list includes a description of the view, and the page in Chapter 3 that gives detailed information about the web view.

Forms and Table Views

This section lists supplementary views that are not essential to the Release 11*i* data model, but simplify coding or improve performance for Oracle Developer.

Internal Views

This section includes each private, internal view that Oracle Time Management uses.

Single–Organization Views

This section lists the Oracle Time Management views that we added to take the place of various tables that are now partitioned by operating unit, to support multiple sets of books within a single installation of Oracle Time Management.

Multiple Reporting Currency Views

This list includes views that were created to support the Multiple Reporting Currencies feature.

MultiLingual Views

This section lists views that were created to allow certain seed data to be available in multiple national languages simultaneously.

Module List

The Module List section briefly describes each of the Oracle Time Management applications modules. This section lists forms, reports, and concurrent programs.

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A form is a module comprised of closely related windows that are used together to perform a task. For example, the Enter Journals form in Oracle General Ledger includes the Enter Journals window, the Batch window, and the More Actions window. The Enter Journals window is the main window, and from it, you can use buttons to navigate to other windows in the form. The form name usually corresponds to the main window in the form, and is frequently a window you can open directly from the Navigator.

The Reports and Concurrent Programs lists include processes you can submit from the Submit Requests window or other windows, as well as processes that are submitted automatically by Oracle Time Management. Use your user's guide to learn more about reports and concurrent processes.

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Summary Database Diagram

This Summary Database Diagram graphically represents the most important Oracle Time Management applications tables and the relationships between them. It describes, at a conceptual level, the key information on which your Oracle Time Management application depends.

This diagram does not represent the complete database implementation of Oracle Time Management applications tables. It shows tables that contain key reference and transaction data, and omits tables and relationships that contribute little to the understanding of the Oracle Time Management applications data model. For example, a foreign key relationship shown between two tables may actually be implemented by an intervening table, not shown in this diagram.

For more detailed graphical representations of Oracle Time Management applications tables and the relationships between them, see the Database DIagrams section in this chapter.

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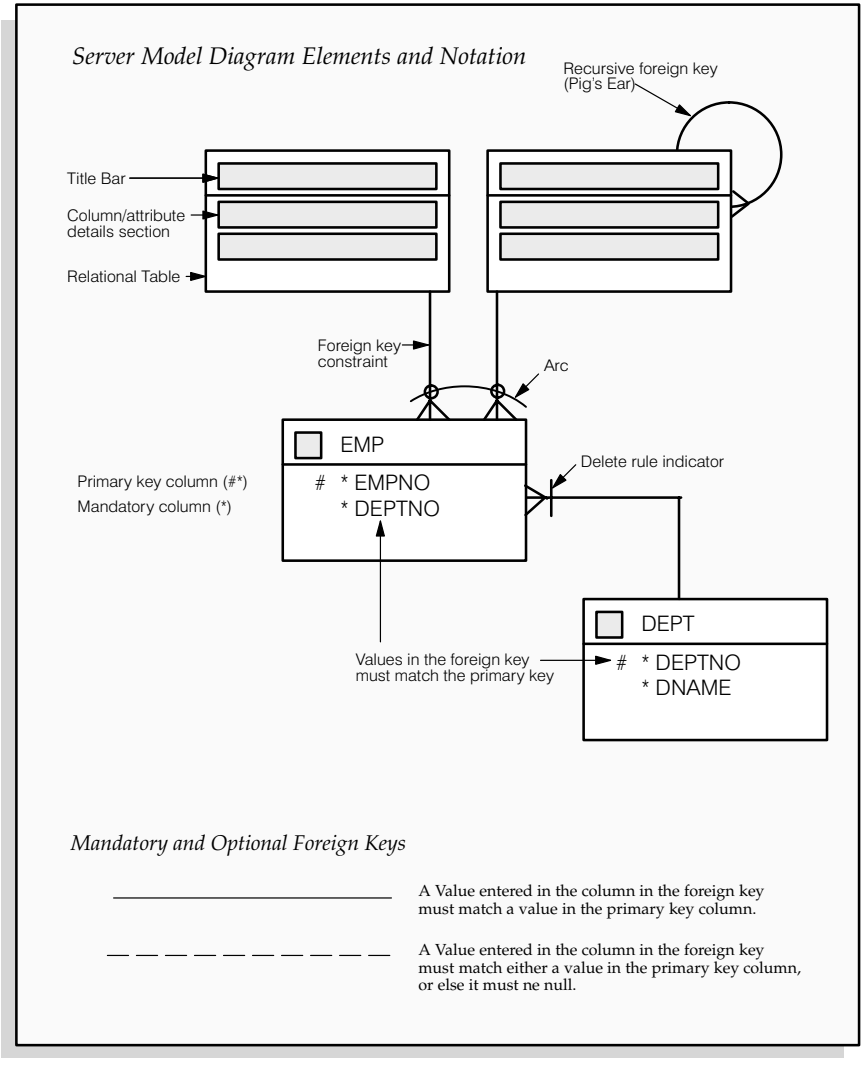
Database Diagramming Conventions

We use the following notational conventions in our database diagrams:

Figure 2 – 1
Database Diagram Conventions



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Tables – are the basic unit of storage in the database. A hand symbol preceding the title in the table's title bar indicates that the table is not owned by this application but shared with another.

Foreign key constraint – is a type of referential integrity constraint for checking the integrity of data entered in a specific column or set of columns. This specified column or set of columns is known as the foreign key.

Delete rule indicator – determines the action to be taken when an attempt is made to delete a related row in a join table. A line through the foreign key constraint, as shown on the above diagram, indicates that this action is restricted.

Arcs – specify that, for any given row in a table, a value must be entered in one of the arc columns. The remaining columns within the arc must be null.

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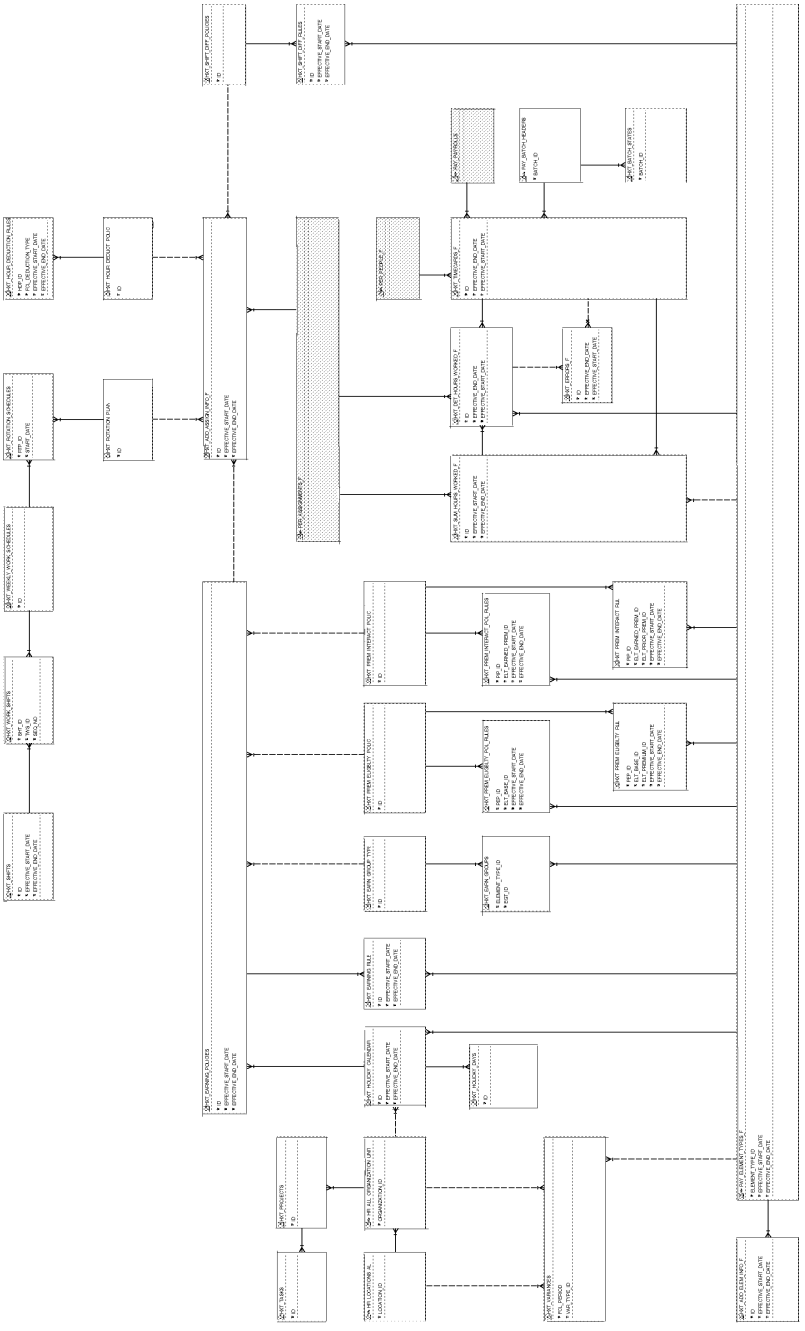
Oracle Time Management Summary Database Diagram



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Database Diagrams

This section graphically represents all Oracle Time Management tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each Oracle Time Management application building block uses, and how these tables interrelate. Then, you can refer to the Table and View Definitions sections of Chapter 3 for more detailed information about each of those tables.

This section contains a database diagram for each of the following Oracle Time Management application building blocks:

- Diagram 1: OTM Related Assignment Definitions
- Diagram 2: Earning Policy
- Diagram 3: Holiday Calendar
- Diagram 4: Hour Deduction Policy
- Diagram 5: Project Accounting
- Diagram 6: Rotation Plan
- Diagram 7: Shift Differential
- Diagram 8: Time Accounting
- Diagram 9: HXT Variances

Some tables, especially important reference tables, appear in more than one database diagram. When several building blocks use a table, we show that table in each appropriate database diagram.

OTM Related Assignment Definitions

Diagram 1 shows the tables and relationships involved in associating extra OTM related information to a person assignment.

Earning Policy

Diagram 2 shows the tables and relationships involved in defining and maintaining an earning policy. Every person for whom timecards will be entered or autogenerated must be linked to an earning policy.

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Earning policies represent the rules used when considering base, holiday and overtime earnings.

Holiday Calendar

Diagram 3 shows the tables and relationships involved in defining and maintaining a holiday calendar. A holiday calendar defines the holiday days for those people associated with it.

Hour Deduction Policy

Diagram 4 shows the tables and relationships involved in defining and maintaining an hours deduction policy. Hours worked against assignments with an hour deduction policy are automatically reduced according to the details of the policy.

Project Accounting

Diagram 5 shows the tables and relationships involved in the Project Accounting subsystem. The Project Accounting subsystem allows projects and their tasks to be defined. Hours worked can then be attributed to a particular task.

Rotation Plan

Diagram 6 shows the tables and relationships involved in defining and maintaining a rotation plan. A rotation plan specifies a particular working schedule which can be associated with an assignment. Rotation plans consist of one or more weekly work plans which are themselves composed of daily shifts. Rotation plans are used when autogenerating timecards to produce the default hours worked by a person on a day–by–day basis.

Shift Differential

Diagram 7 shows the tables and relationships involved in defining and maintaining a shift differential policy. Employees assigned to a shift differential policy may receive special premiums based on the start and stop times of particular shifts.

Time Accounting

Diagram 8 shows the tables and relationships involved in the Time Accounting subsystem which is central to the Oracle Time Management application. The Time Accounting subsystem supports

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the various processes associated with entering, maintaining and validating timecards such as autogeneration, manual entry, error correction and timecard approval.

HXT Variances

Diagram 9 shows the tables and relationships involved in the Variance subsystem. The Variance subsystem allows ranges and averages to be specified for the number of hours worked at a specific location/organization (or hours worked against a particular OTM element) in a given time period.

How to Use These Database Diagrams

Here is an example of how you might use these database diagrams:

Suppose you want to write a custom application to interface your Oracle Payables application with your non–Oracle purchasing system. You want to see how your Oracle Payables application matches an invoice to a purchase order. You turn to Diagram 3 to see the table structure for the Matching Invoices to Purchase Orders building block. You learn that each purchase order distribution line in PO_DISTRIBUTIONS may be used to create one or more invoice distribution lines in AP_INVOICE_DISTRIBUTIONS when you match an invoice to a purchase order. You can also see that your Oracle Payables application associates a matching hold on an invoice with a purchase order shipment through the PO_LINE_LOCATIONS table. Finally, you know that your Oracle Payables application matches invoices to purchase orders at the purchase order shipment level.

Next, you turn to the Table and View Definitions section in Chapter 3 to learn about the columns in each of these tables and determine which columns are required for matching. Using this information, you write

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an application that allows your Oracle Payables application to match invoices to purchase orders from your purchasing system.

Diagram 1 – OTM Related Assignment Definitions

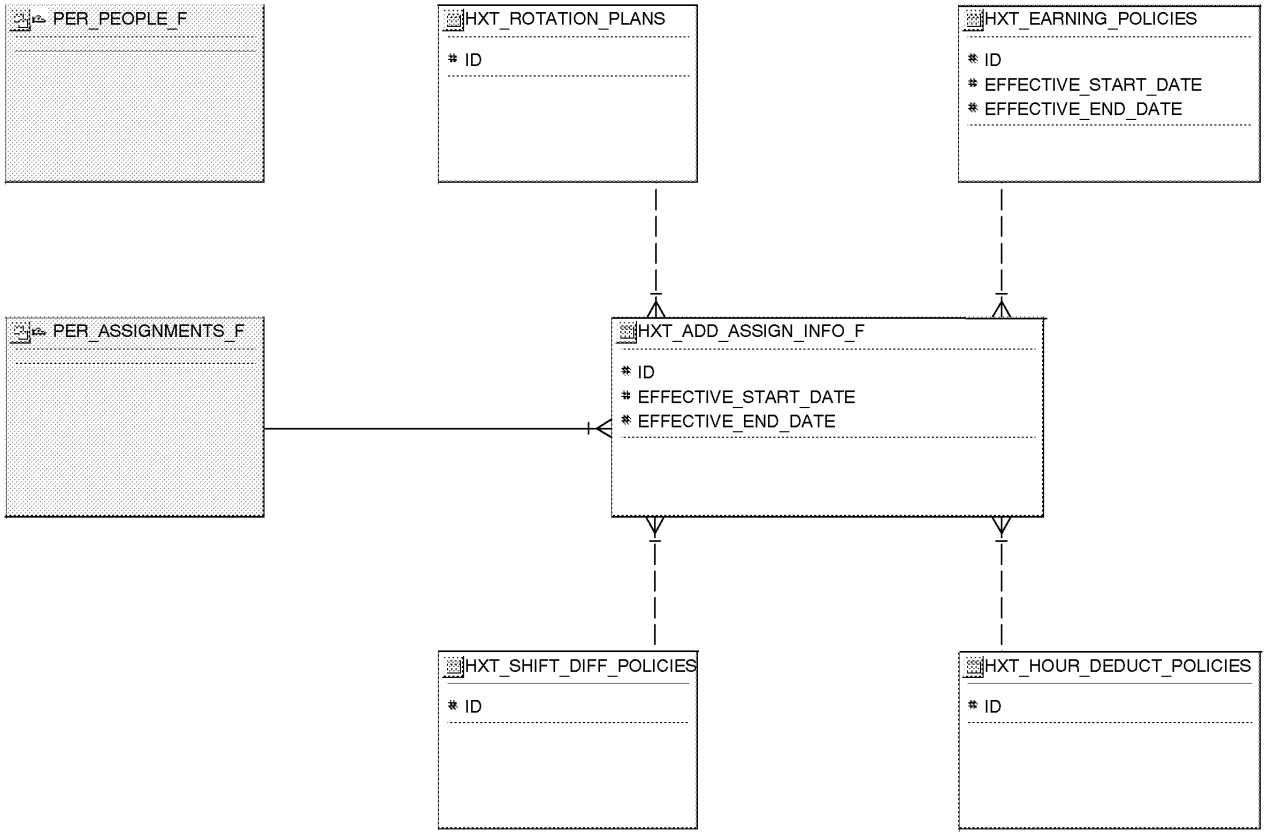

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Diagram 2 – Earning Policy

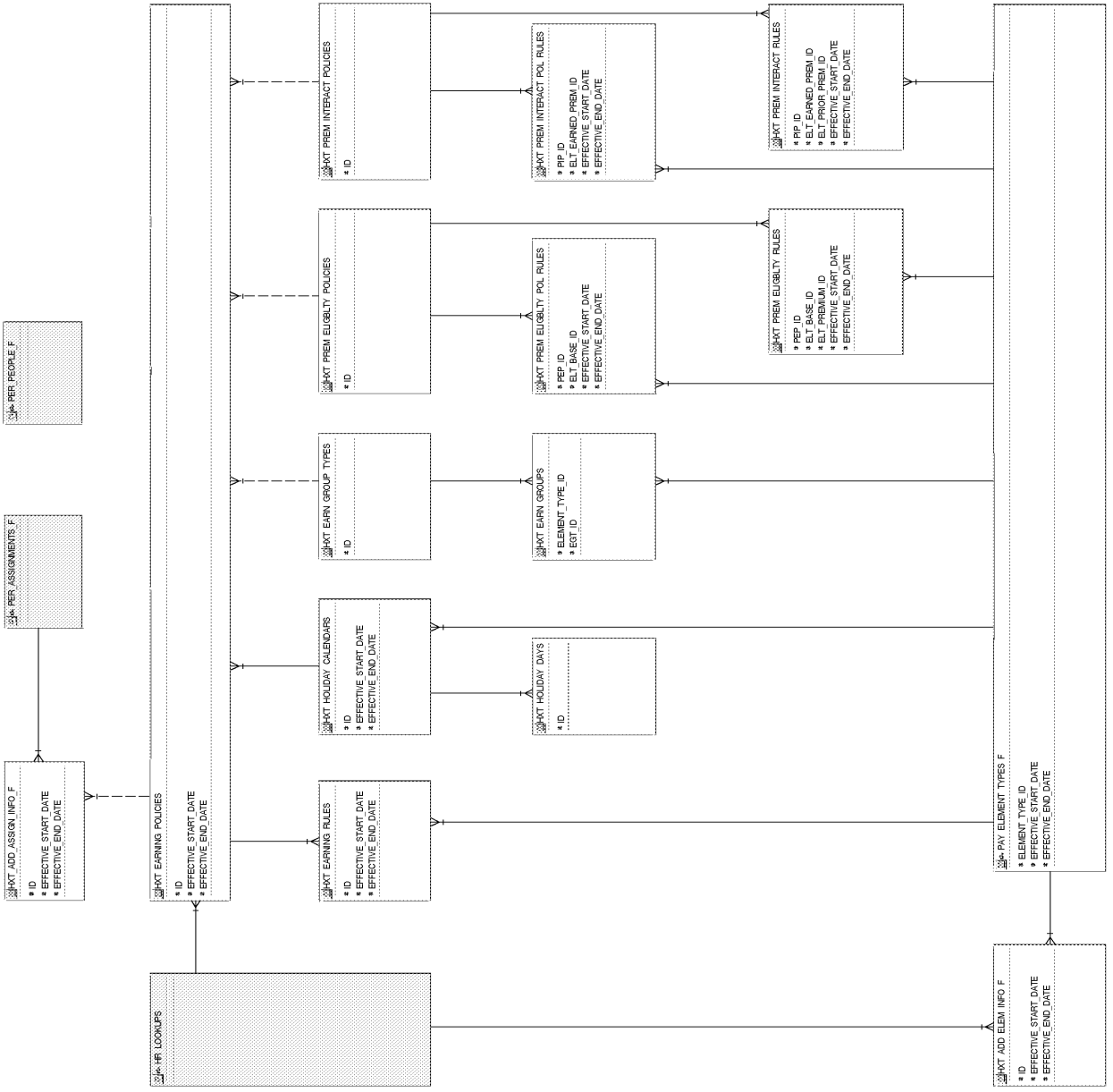

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Diagram 3 – Holiday Calendar

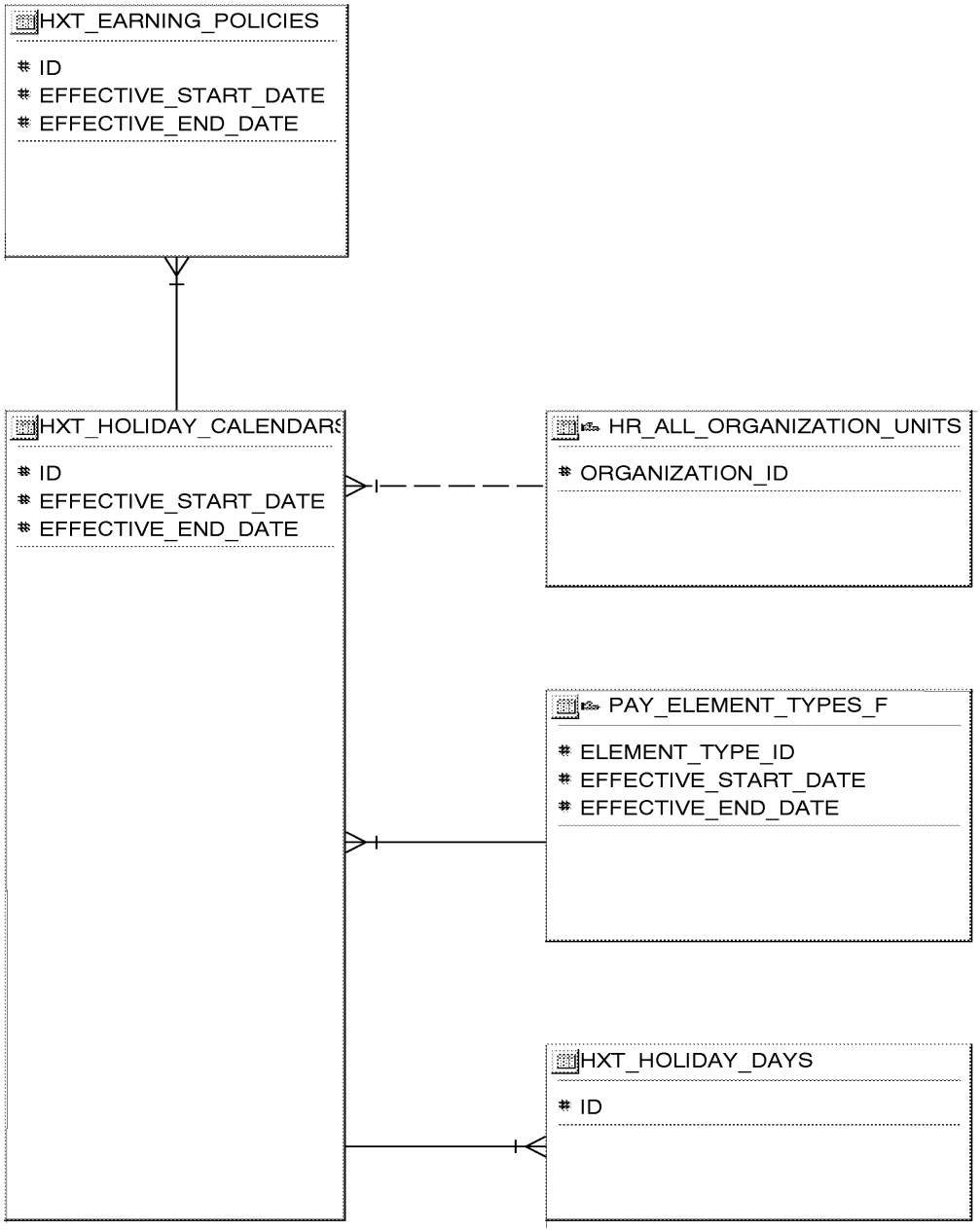

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Diagram 4 – Hour Deduction Policy

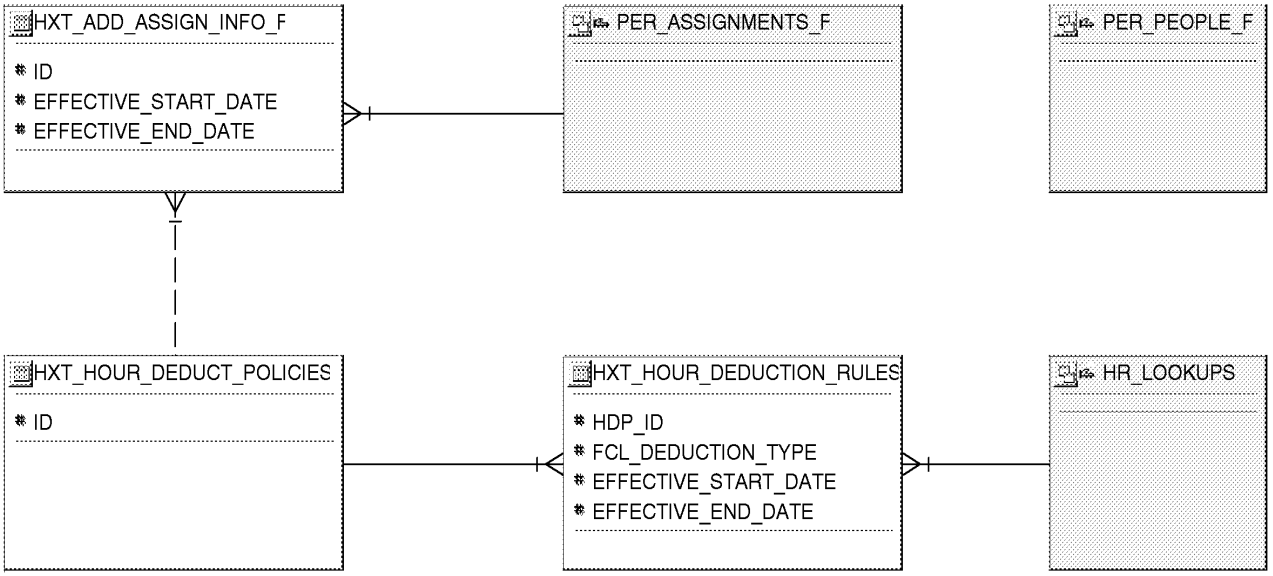

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Diagram 5 – Project Accounting

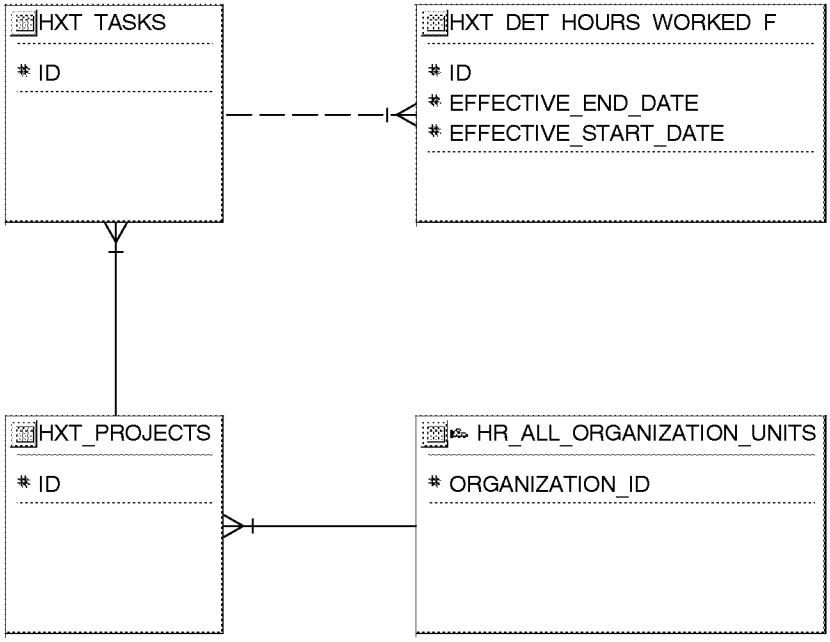

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Diagram 6 – Rotation Plan

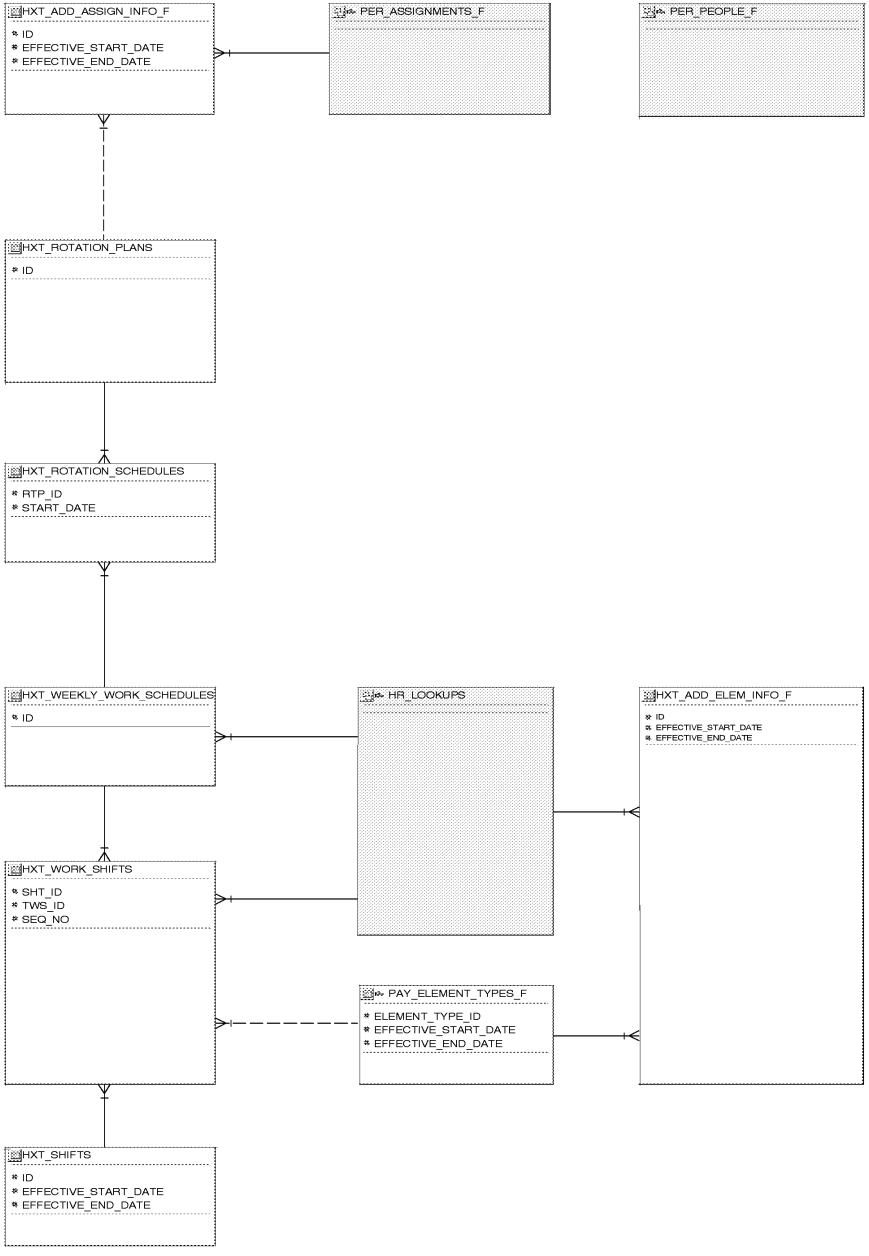

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Diagram 7 – Shift Differential

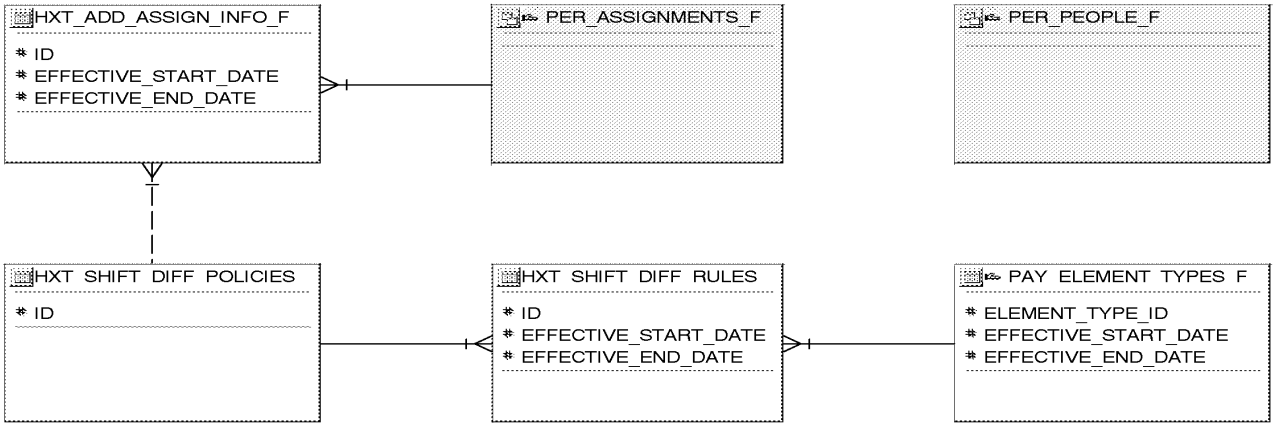

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Diagram 8 – Time Accounting

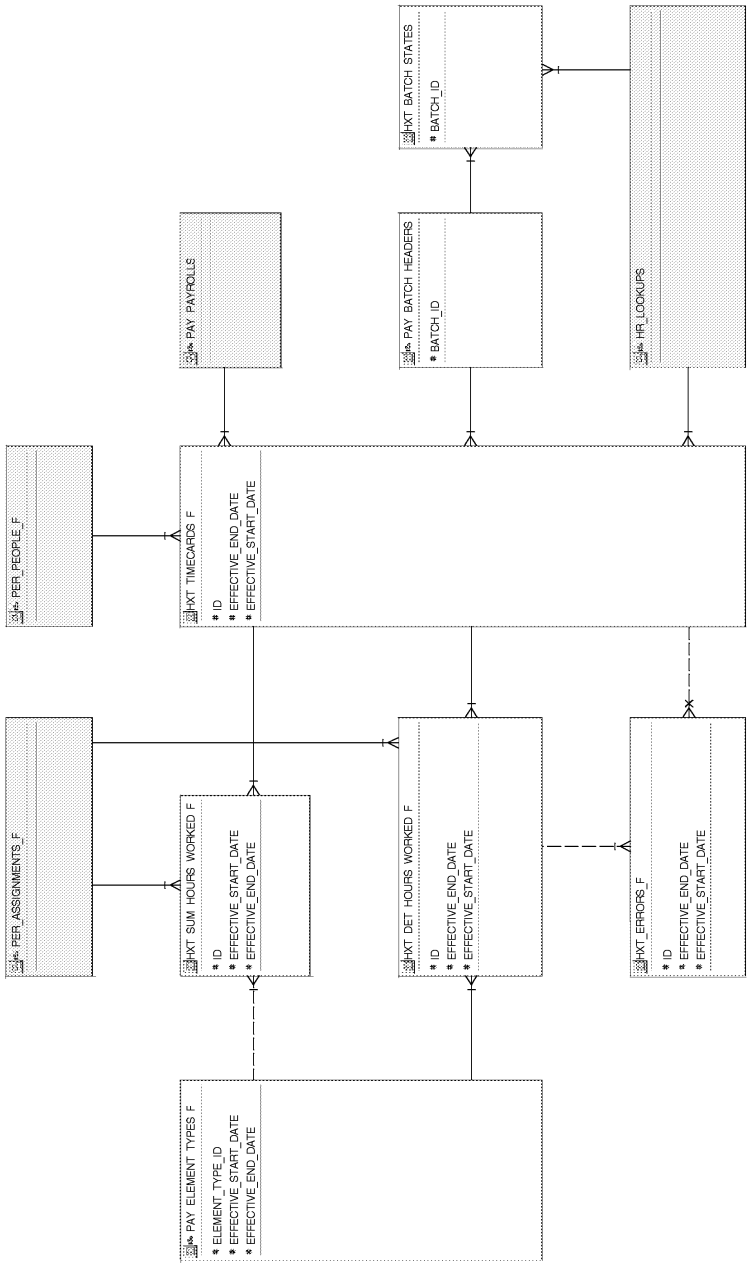

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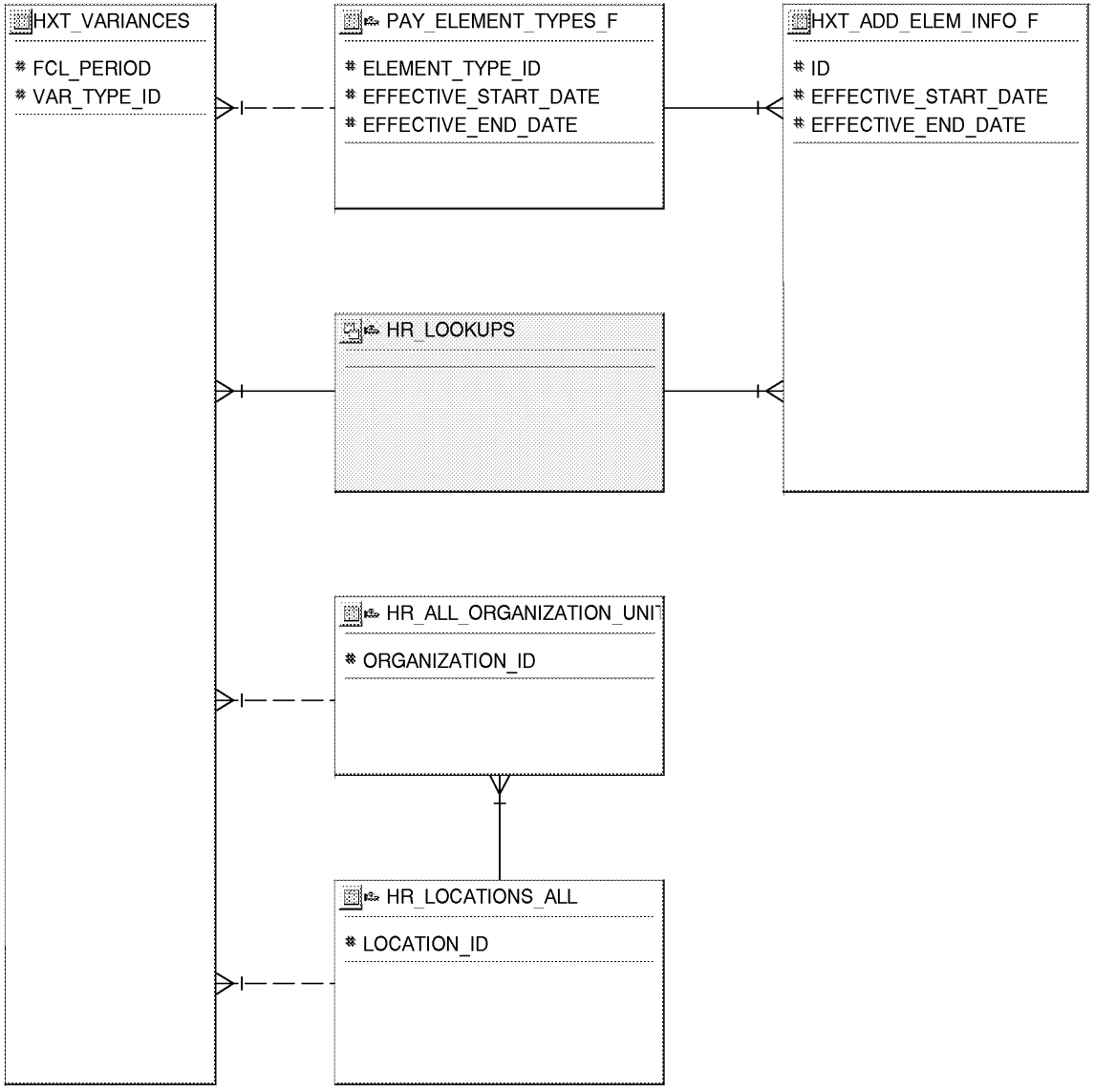
Diagram 9 – HXT Variances



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Public Table List

This section lists each public database table that Oracle Time Management uses and provides a brief description of each of those tables. The page reference is to the table description in Chapter 3.

Note that "public" tables are not necessarily intended for write access by custom code; Oracle Corporation supports write access using only standard Oracle Applications forms, reports, and programs, or any SQL write access to tables explicitly documented as API tables. For more information, see the How Not To Use This Manual section of this book's Introduction.

Oracle Time Management uses the following Public tables:

Table Name	Description
HXT_ADD_ASSIGN_INFO_F	Details of time information associated with person's assignments. (See page 3 – 8)
HXT_ADD_ELEM_INFO_F	Details of time information which are associated with elements. (See page 3 – 10)
HXT_BATCH_STATES	Details of the batch status of timecards. (See page 3 – 12)
HXT_DET_HOURS_WORKED_F	Describes a specific block of time worked for a specific date. (See page 3 – 13)
HXT_EARNING_POLICIES	Details of earning policies (See page 3 – 15)
HXT_EARNING_RULES	Description of earning rules (See page 3 – 16)
HXT_EARN_GROUPS	Details of earn groups defined. (See page 3 – 17)
HXT_EARN_GROUP_TYPES	Details of earning Group Types defined. (See page 3 – 18)
HXT_ERRORS_F	Details of errors produced. (See page 3 – 19)
HXT_HOLIDAY_CALENDARS	Details of holiday calendar defined. (See page 3 – 20)
HXT_HOLIDAY_DAYS	Details of user defined holiday days. (See page 3 – 21)
HXT_HOLIDAY_DAYS_TL	Contains the translated user defined holiday days. (See page 3 – 22)
HXT_HOUR_DEDUCTION_RULES	Details of user defined hours dedurules. (See page 3 – 23)
HXT_HOUR_DEDUCT_POLICIES	Details of user defined hour deduction policies. (See page 3 – 24)

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HXT_PREM_ELIGBLTY_POLICIES	Details of eligible premiums which may be paid on each base earning. (See page 3 – 25)
HXT_PREM_ELIGBLTY_POL_RULES	Determines the premiums which a group of people are eligible to. (See page 3 – 26)
HXT_PREM_ELIGBLTY_RULES	Details of the user defined Premium Eligibility Rules. (See page 3 – 27)
HXT_PREM_INTERACT_POLICIES	Details of the premiums which are used to obtain a premium rate. (See page 3 – 28)
HXT_PREM_INTERACT_POL_RULES	Details of the user defined rules for Premium Interaction Policies. (See page 3 – 29)
HXT_PREM_INTERACT_RULES	Details of the rules which govern the premium interactions. (See page 3 – 30)
HXT_PREV_WAGE_BASE	Details of prevailing wage rate base. (See page 3 – 31)
HXT_PROJECTS	Details of user defined projects. (See page 3 – 32)
HXT_ROTATION_PLANS	A Rotation plan composed of many work plans starting at specified dates. (See page 3 – 33)
HXT_ROTATION_SCHEDULES	Details of rotating work plan schedules. (See page 3 – 34)
HXT_SHIFTS	Defines company shifts based on a twenty–four clock. (See page 3 – 35)
HXT_SHIFT_DIFF_POLICIES	A location to put company shift differential policies. (See page 3 – 36)
HXT_SHIFT_DIFF_RULES	Details of the time range which includes separate pay rules for a specific shift. (See page 3 – 37)
HXT_SUM_HOURS_WORKED_F	A summary of the number hours and type of premium related to each hour worked by a person. (See page 3 – 38)
HXT_TASKS	A divided project assigned to an employee. (See page 3 – 40)
HXT_TIMECARDS_F	Details of the hours which an employee works in a payroll period. (See page 3 – 41)
HXT_VARIANCES	A location to put earning variance thresholds (highs and lows). (See page 3 – 43)

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HXT_WEEKLY_WORK_SCHEDULES	A location to put a company's various employee work plans. (See page 3 – 44)
HXT_WORK_SHIFTS	A location to put an employee's work shifts on which all earnings are based. (See page 3 – 45)

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Module List

This section lists each form, report and concurrent program comprising Oracle Time Management.

Forms

HXTEG001	Define Earning Group
HXTERP00	Define Earning Policies
HXTHC001	Define Holiday Calendar
HXTHDP00	Define Hours Deduction Policy
HXTPEP00	Define Premium Eligibility Policies
HXTPIP00	Define Premium Interaction Policies
HXTPR001	Define Projects
HXTRP001	Define Rotation Plan
HXTSDP00	Define Shift Differential Policies
HXTSH001	Define Shifts
HXTTIM00	Enter Timecards Details
HXTUSTIM	Enter Timecard Details
HXTWWS00	Define Work Plan

Reports

HXT951A	Organization Variance Calculation
HXT952A	Location Variance Calculation
HXT953A	Earning Variance Calculation
HXT956A	Earning Policy Table Listing
HXT956B	Hours Deduction Policy Table Listing
HXT956C	Shift Differential Policy Table Listing
HXT956D	Premium Eligibility Policy Table Listing
HXT956E	Preimum Interaction Policy Table Listing
HXT957A	Hoilday Calendar Table Listing

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HXT957B	Work Plan Table Listing
HXT957C	Rotation Plan Table Listing
HXT957D	Shift Table Listing
HXT957E	Project Accounting Table Listing
HXT957F	Variance Table Listing
HXT957G	Earning Group Table Listing
HXT957H	OTM Total Table Listing
HXT957I	Person/Assignment Table Listing
HXT958A	Actual and Rounded Time Punch Inquiry
HXT964A	Missing Timecard Inquiry
HXT970A	Manual and Autogen Report

Concurrent Programs

Validate for BEE	Perform timecard validation
Transfer to BEE	Transfer timecards to Batch Element Entry
Transfer to BEE (Retro)	Transfer timecard adjustments to Batch Element Entry
Rollback (BEE Rollback)	Transfer to Batch Element Entry process
Transfer to Project Accounting	Transfer timecards to Project Accounting
Transfer to Project Accounting (Retro)	Transfer timecard adjustments to Project Accounting

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CHAPTER

3

Detailed Design

This chapter presents a detailed design for implementing Oracle Time Management. It contains detailed definitions of tables and views that you may need to reference to write custom reports or use for other data extraction.

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Overview of Detailed Design

During Detailed Design, we specify in detail how each applications component should work. We prepare detailed definitions of tables and views.

You can refer to this Detailed Design chapter to gain a detailed understanding of the underlying structure and processing of Oracle Time Management that enables you to:

- Convert existing application data
- Integrate your Oracle Time Management application with your other applications systems
- Write custom reports
- Define alerts against Oracle Applications tables
- Create views for decision support queries using query tools
- Configure your Oracle Self–Service Web Applications

Table and View Definitions

The Table and View Definitions section contains a detailed definition of Oracle Time Management applications tables. For each table, it provides information about primary keys, foreign keys, lookups, indexes, triggers, and sequences. It also gives you a detailed description of each column and its characteristics. In addition, it provides the SQL statement that defines each view. Review this section to get a detailed understanding of what tables your Oracle Time Management application contains, and how it uses them to hold and access the information it needs.

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Table and View Definitions

This section contains a detailed description of each Oracle Time Management table and view that you may need to reference. For each table, it presents detailed information about:

- Primary keys
- Foreign keys
- Column descriptions
- Indexes
- Oracle sequences
- Triggers
- View derivations

Because Oracle does not support customization of Oracle Application Object Library tables, we do not provide you with detailed information about them. Consequently, this section does not document all the FND_% tables your Oracle Time Management application uses.

The following sections appear in each table or view description:

Foreign Keys

To help you understand the relationships between tables, we list each foreign key contained in a table. For each foreign key in a table, we list the primary key table name (the table to which a foreign key refers), its corresponding primary key columns, and the foreign key columns that refer to those primary key columns.

When the primary key table has a composite primary key, we list each column of the composite key sequentially.

If a table contains two or more distinct foreign keys that refer to the same primary key table, we repeat the primary key table name and list each of the distinct foreign keys separately.

Lookups Columns

When a database column contains a Lookups value, which we implement using a foreign key to FND_LOOKUPS, MFG_LOOKUPS, or to some other lookup table, we list the Lookups type (lookup type)

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to which the Lookups value must belong and a complete list of Lookups values and meanings. Some Lookups can be defined by you in the application. These values are designated as User–defined.

Column Descriptions

We list the important characteristics of each column in a table or view. These characteristics include whether the column is part of the table's primary key, whether Oracle8i requires a value for this column, and the data type of the column. We also give you a brief description of how your Oracle Time Management application uses the column.

When a column is part of a table's primary key, we append the notation (PK) to the name of that column.

To help you understand which columns your Oracle Time Management application uses and which columns it does not use, we alert you to any unused column. When no module uses a database column, we show one of the following legends in the Description column:

Not currently used	Your Oracle Time Management application does not use this column, although the column might be used in a future release.
No longer used	Your Oracle Time Management application no longer uses this column. AutoInstall installs this column. Subsequent versions of your Oracle Time Management application might not include this column.
No longer installed	Your Oracle Time Management application no longer uses this column. If you *upgraded* your software from an earlier version, you may still have this column, depending upon whether you chose to delete it during an upgrade process. If you *install* your Oracle Time Management application, you do not have this column.

Standard Who Columns

Most Oracle Time Management tables contain standard columns to support \ **R**ow **W**ho. When your program or SQL*Plus command selects a row from a table, use these columns to determine who last updated the row. If your program or SQL*Plus command updates or

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inserts a row in an interface table, you must populate each of the five standard Who columns:

LAST_UPDATE_DATE	Date when a user last updated this row
LAST_UPDATED_BY	User who last updated this row (foreign key to FND_USER.USER_ID)
CREATION_DATE	Date when this row was created
CREATED_BY	User who created this row (foreign key to FND_USER.USER_ID)
LAST_UPDATE_LOGIN	Operating system login of user who last updated this row (foreign key to FND_LOGINS.LOGIN_ID). You should set this to NULL, or to 0 if NULL is not allowed

Since every table containing Who columns has several foreign keys to the tables FND_USER and FND_LOGINS, we do not include the foreign key columns LAST_UPDATED_BY, CREATED_BY, or LAST_UPDATE_LOGIN in a table's list of foreign keys.

Additional Who Columns for Concurrent Programs

Some Oracle Time Management tables also contain several additional Who columns to distinguish between changes a user makes with a form and changes a concurrent program makes. When a concurrent program updates or inserts a row in a table, the concurrent program populates the following additional Who columns:

REQUEST_ID	Concurrent request ID of program that last updated this row (foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID)
PROGRAM_APPLICATION_ID	Application ID of program that last updated this row (foreign key to FND_APPLICATION.APPLICATION_ID)
PROGRAM_ID	Program ID of program that last updated this row (foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID)
PROGRAM_UPDATE_DATE	Date when a program last updated this row

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Since every table containing these additional Who columns has several foreign keys to the tables FND_CONCURRENT_REQUESTS, FND_APPLICATION, and FND_CONCURRENT_PROGRAM, we do not include the foreign key columns REQUEST_ID, PROGRAM_APPLICATION_ID, or PROGRAM_ID in a table's list of foreign keys.

Columns Reserved for Country–Specific Localizations

Some tables have GLOBAL_ATTRIBUTE columns which support additional features added to Oracle Time Management to meet statutory requirements and common business practices in your country or region. For details on these columns, refer to the Appendix in *Oracle Financials Regional Technical Reference Manual*. To read more about the features that these columns support, look for a User Guide appropriate to your country; for example, see the *Oracle Financials for the Czech Republic User Guide*.

Indexes

If an Oracle Time Management table uses an Oracle8i index, we list the database columns that comprise that index, in sequential order.

> **Note:** The indexes we document in this manual correspond to unique keys we specified during product development and testing. In some cases, we may add additional indexes during the porting process to fine–tune performance on specific platforms; therefore, there may be minor differences between the indexes documented in this book and the indexes for production versions of Oracle Time Management.

Sequences

Your Oracle Time Management application uses Oracle8i sequence generators to generate unique integers. If any table column gets its value from an Oracle8i sequence generator, we list the name of the corresponding sequence generator and the name of the column that stores the unique integer.

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Database Triggers

If a table has one or more active database triggers, we provide a brief explanation of each database trigger and when it fires.

View Derivation

For each Oracle Time Management view you may need to reference, we include important elements from the SQL statement that defines or creates a view. By studying this view definition, you can understand exactly how a view derives its contents.

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HXT_ADD_ASSIGN_INFO_F

Contains all the time management policies and rules which are associated with the person's assignments.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective start date.
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective end date
ASSIGNMENT_ID	NOT NULL	NUMBER(10)	Foreign key to PER_ASSIGNMENTS_F record.
AUTOGEN_HOURS_YN	NOT NULL	VARCHAR2(1)	Timecards for this assignment can be automatically generated
ROTATION_PLAN	NULL	NUMBER(15)	Rotation plan for this assignment
EARNING_POLICY	NOT NULL	NUMBER(15)	Earning policy for this assignment
SHIFT_DIFFERENTIAL_POLICY	NULL	NUMBER(15)	Shift differential policy for this assignment
HOUR_DEDUCTION_POLICY	NULL	NUMBER(15)	Hour deduction policy for this assignment
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column.
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE21	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE22	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE23	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE24	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE25	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE26	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE27	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE28	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE29	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE30	NULL	VARCHAR2(150)	Descriptive flexfield column.
CREATED_BY	NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NULL	DATE	Standard Who column.

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LAST_UPDATED_BY		NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_DATE		NULL	DATE	Standard Who column.
LAST_UPDATE_LOGIN		NULL	NUMBER(15)	Standard Who column.

Indexes

Index Name	Index Type	Sequence	Column Name
AAIF_HRW_PK	UNIQUE	1	ID
		2	EFFECTIVE_START_DATE
		3	EFFECTIVE_END_DATE
HXT_ADD_ASSIGN_INFO_ON1	NOT UNIQUE	1	ASSIGNMENT_ID

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HXT_ADD_ELEM_INFO_F

Contains the details of time management elements such as absence category, premium type, premium amount and expenditure type details.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective end date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective end date
ELEMENT_TYPE_ID	NOT NULL	NUMBER(9)	Foreign key to PAY_ELEMENT_TYPES_F record.
EARNING_CATEGORY	NOT NULL	VARCHAR2(30)	Time management specific earning category
ABSENCE_TYPE	NULL	VARCHAR2(30)	Time management specific absence type
ABSENCE_POINTS	NULL	NUMBER(5)	Absence points
PREMIUM_TYPE	NULL	VARCHAR2(30)	Premium type
PREMIUM_AMOUNT	NULL	NUMBER(15,5)	Premium amount
PROCESSING_ORDER	NULL	NUMBER(3)	Processing order
EXPENDITURE_TYPE	NULL	VARCHAR2(30)	Project accounting expenditure type
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column.
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE21	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE22	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE23	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE24	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE25	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE26	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE27	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE28	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE29	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE30	NULL	VARCHAR2(150)	Descriptive flexfield column.
CREATED_BY	NULL	NUMBER(15)	Standard Who column.

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CREATION_DATE	NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column.

Indexes

Index Name	Index Type	Sequence	Column Name
AEIF_HRW_PK	UNIQUE	1	ID
		2	EFFECTIVE_START_DATE
		3	EFFECTIVE_END_DATE
HXT_ADD_ELEM_INFO_ON1	NOT UNIQUE	1	ELEMENT_TYPE_ID

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HXT_BATCH_STATES

Details of the batch status of timecards.

Column Descriptions

Name	Null?	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(15)	Foreign key to pay_batch_headers record.
STATUS	NOT NULL	VARCHAR2(30)	The status of the timecard's batch
DATE_EARNED	NULL	DATE	The date which the timecard batch is earned.

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HXT_DET_HOURS_WORKED_F

A location for describing a specific block of time worked for a specific date.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key – Retrofitted
PARENT_ID	NOT NULL	NUMBER(15)	Foreign key to HXT_SUM_HOURS_WORKED – Retrofitted
LINE_STATUS	NULL	VARCHAR2(1)	Line status (I) = Null, (E) = Error, (C) = Changed, (W) = Warning
TIM_ID	NOT NULL	NUMBER(15)	Foreign key to HXT_TIMECARDS record. – Retrofitted
DATE_WORKED	NOT NULL	DATE	The date the hours were worked or absence was taken – Retrofitted
ASSIGNMENT_ID	NOT NULL	NUMBER(10)	Assignment worked – Retrofitted
HOURS	NOT NULL	NUMBER(7,3)	Number of hours worked or absent – Retrofitted
TIME_IN	NULL	DATE	Time in – Retrofitted
TIME_OUT	NULL	DATE	Time out – Retrofitted
ELEMENT_TYPE_ID	NULL	NUMBER(9)	Foreign key to PAY_ELEMENT_TYPES_F record.
FCL_EARN_REASON_CODE	NULL	VARCHAR2(30)	Earning Reason lookup
FFV_COST_CENTER_ID	NULL	NUMBER(15)	Cost Center identifier
FFV_LABOR_ACCOUNT_ID	NULL	NUMBER(15)	Labour Account identifier
TAS_ID	NULL	NUMBER(15)	System generated task primary key – Retrofitted
LOCATION_ID	NULL	NUMBER(15)	HR_LOCATIONS foreign key
SHT_ID	NULL	NUMBER(15)	System generated shift primary key – Retrofitted
HRW_COMMENT	NULL	VARCHAR2(255)	Comment
FFV_RATE_CODE_ID	NULL	NUMBER(15)	Rate Code identifier
RATE_MULTIPLE	NULL	NUMBER(15,5)	Rate Multiple factor
HOURLY_RATE	NULL	NUMBER(15,5)	Hourly Rate
AMOUNT	NULL	NUMBER(15,5)	Amount factor
FCL_TAX_RULE_CODE	NULL	VARCHAR2(30)	Tax Rules lookup
SEPARATE_CHECK_FLAG	NULL	VARCHAR2(30)	Separate Check
SEQNO	NOT NULL	NUMBER(5)	Sequence Number
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column
ACTUAL_TIME_IN	NULL	DATE	Actual time in
ACTUAL_TIME_OUT	NULL	DATE	Actual time out
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective start date
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective end date
JOB_ID	NULL	NUMBER(15)	Foreign key to PER_JOBS record.
EARN_POL_ID	NULL	NUMBER(15)	Foreign Key to HXT_EARNING_POLICIES record.
PREV_WAGE_CODE	NULL	VARCHAR2(10)	Prevailing wage code.

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PROJECT_ID	NULL	NUMBER(15)	Foreign key to HXT_PROJECTS (PA_PROJECTS if Project Accounting is installed) record.
RETRO_PBL_LINE_ID	NULL	NUMBER(15)	Retro batch Line id
PBL_LINE_ID	NULL	NUMBER(15)	Batch line id
RETRO_BATCH_ID	NULL	NUMBER(15)	Retro Batch id
PAY_STATUS	NULL	VARCHAR2(1)	Pay Status. States the transfer to BEE status.
PA_STATUS	NULL	VARCHAR2(1)	Transfer to Projects Status

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_DET_HOURS_WORKED_N1	NOT UNIQUE	1	PARENT_ID
HXT_DET_HOURS_WORKED_N2	NOT UNIQUE	1	TIM_ID
		2	DATE_WORKED

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_EARNING_POLICIES

An Earning Policy may be composed of more than one overtime rule, a premium policy, and a premium processing policy. For each assignment, an employee is defined with one of an unlimited number of earning policies. Earning policies provide the means for performing detailed overtime calculations using the methods defined by the user in the overtime rules.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key for overtime policy
HCL_ID	NOT NULL	NUMBER(15)	
FCL_EARN_TYPE	NOT NULL	VARCHAR2(30)	
NAME	NOT NULL	VARCHAR2(80)	Earning policy name
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date
PIP_ID	NULL	NUMBER(15)	System generated unique ID
PEP_ID	NULL	NUMBER(15)	System generated unique ID
EGT_ID	NULL	NUMBER(15)	A system generated primary key for earning group type.
DESCRIPTION	NULL	VARCHAR2(255)	Earning policy description
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard who column
ORGANIZATION_ID	NULL	NUMBER(15)	Business Group ID
ROUND_UP	NOT NULL	NUMBER(2)	
MIN_TCARD_INTVL	NOT NULL	NUMBER(2)	

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_EARNING_POLICIES_FK1	NOT UNIQUE	1	EGT_ID
HXT_EARNING_POLICIES_FK2	NOT UNIQUE	1	FCL_EARN_TYPE
HXT_EARNING_POLICIES_FK3	NOT UNIQUE	1	HCL_ID
HXT_EARNING_POLICIES_FK4	NOT UNIQUE	1	PEP_ID
HXT_EARNING_POLICIES_FK5	NOT UNIQUE	1	PIP_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_EARNING_RULES

Identifies overtime earnings and the number of hours required. The seq.no. indicates the order in which the overtime rules are applied.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated overtime rule primary key
ELEMENT_TYPE_ID	NOT NULL	NUMBER(9)	Earning Code
EGP_ID	NOT NULL	NUMBER(15)	System generated primary key for overtime policy
SEQ_NO	NOT NULL	NUMBER(2)	The order in which this overtime earning is applied.
NAME	NOT NULL	VARCHAR2(80)	The name of the overtime rule.
EGR_TYPE	NOT NULL	VARCHAR2(3)	The type of overtime: D = Daily, W = Weekly, S = Special
HOURS	NOT NULL	NUMBER(5,2)	Hours required to receive overtime.
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date
DAYS	NULL	NUMBER(2)	The number of consecutive days that must be worked for OT
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_EARNING_RULES_FK1	NOT UNIQUE	1	EGP_ID
HXT_EARNING_RULES_FK2	NOT UNIQUE	1	ELEMENT_TYPE_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_EARN_GROUPS

A link between earning group types and earning codes.

Column Descriptions

Name	Null?	Type	Description
ELEMENT_TYPE_ID (PK)	NOT NULL	NUMBER(9)	Earning Code – Retrofitted
EGT_ID (PK)	NOT NULL	NUMBER(15)	A system generated primary key for earning group type. – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_EARN_GROUPS_FK1	NOT UNIQUE	1	EGT_ID
HXT_EARN_GROUPS_FK2	NOT UNIQUE	1	ELEMENT_TYPE_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	EGT_ID

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HXT_EARN_GROUP_TYPES

A group of earning codes used for reporting purposes.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	A system generated primary key for earning group type. – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Earning group type name – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Earning group type description – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted
FCL_EG_TYPE	NOT NULL	VARCHAR2(30)	Lookup code for earning group
EFFECTIVE_START_DATE	NOT NULL	DATE	Effective start date
EFFECTIVE_END_DATE	NOT NULL	DATE	Effective end date

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_ERRORS_F

Table for storing errors encountered (ex. Auto–Gen process or timecard entry). User can view only hours worked records with STATUS=E. The error message presented will aid the user in resolving timecard errors in preparation for batch submission to HRMS payroll. Once errors are corrected the error record will be removed from this table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HXT_TIMECARDS_F	ID	TIM_ID

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	Unique ID – Retrofitted
ERROR_MSG	NOT NULL	VARCHAR2(240)	Specific error message – Retrofitted
LOCATION	NOT NULL	VARCHAR2(120)	Procedure or Function where error occurred. If any. – Retrofitted
ERR_TYPE	NULL	VARCHAR2(3)	Identifies the error source. – Retrofitted
TIM_ID	NULL	NUMBER(15)	Timecard foreign key
HRW_ID	NULL	NUMBER(15)	Hours worked foreign key
PTP_ID	NULL	NUMBER(15)	Per time period foreign key
ORA_MESSAGE	NULL	VARCHAR2(120)	ORACLE error NUMBER and MESSAGE – Retrofitted
PPB_ID	NULL	NUMBER(15)	Pay Pdt Batch Headers foreign key
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	– Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who Column.
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	– Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column.
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column.
CREATION_DATE	NULL	DATE	Date time the error occurred – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_ERRORS_FK1	NOT UNIQUE	1	HRW_ID
HXT_ERRORS_FK2	NOT UNIQUE	1	PPB_ID
HXT_ERRORS_FK3	NOT UNIQUE	1	PTP_ID
HXT_ERRORS_FK4	NOT UNIQUE	1	TIM_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_HOLIDAY_CALENDARS

Contains the names and descriptions of holiday calendars used to determine paid and unpaid holiday.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key for holiday calendars.
ELEMENT_TYPE_ID	NOT NULL	NUMBER(9)	Pay element types foreign key
NAME	NOT NULL	VARCHAR2(80)	Calendar name
ORGANIZATION_ID	NULL	NUMBER(15)	Hr organization units foreign key
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
DESCRIPTION	NULL	VARCHAR2(255)	Calendar description
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_HOLIDAY_CALENDARS_FK1	NOT UNIQUE	1	ELEMENT_TYPE_ID
HXT_HOLIDAY_CALENDARS_FK2	NOT UNIQUE	1	ORGANIZATION_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_HOLIDAY_DAYS

A location to put user–defined holiday dates. If hours are worked on a holiday, these dates are used to process holidays and/or determine special premiums.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated holiday primary key – Retrofitted
HCL_ID	NOT NULL	NUMBER(15)	– Retrofitted
NAME	NULL	VARCHAR2(80)	Holiday name – Retrofitted
HOLIDAY_DATE	NOT NULL	DATE	The date on which the holiday falls – Retrofitted
HOURS	NULL	NUMBER(7,3)	Hours paid for a holiday – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_HOLIDAY_DAYS_FK1	NOT UNIQUE	1	HCL_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_HOLIDAY_DAYS_TL

Contains the translated user defined holiday days.

Column Descriptions

Name	Null?	Type	Description
ID	NOT NULL	NUMBER(15)	
NAME	NOT NULL	VARCHAR2(80)	
LANGUAGE	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
LAST_UPDATE_DATE	NULL	DATE	
LAST_UPDATED_BY	NULL	NUMBER(15)	
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	
CREATED_BY	NULL	NUMBER(15)	
CREATION_DATE	NULL	DATE	

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HXT_HOUR_DEDUCTION_RULES

A set of hour deductions that apply to a pay policy and the rules governing their use. Employees that have earnings generated from total hours worked may be subject to meal and break time deduction.

Column Descriptions

Name	Null?	Type	Description
HDP_ID (PK)	NOT NULL	NUMBER(15)	System generated shift differential policy primary key – Retrofitted
FCL_DEDUCTION_TYPE (PK)	NOT NULL	VARCHAR2(30)	Hours deduction lookup code
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date – Retrofitted
HOURS	NOT NULL	NUMBER(5,2)	Number of hours or partial hours to be deducted for the type sele – Retrofitted
TIME_PERIOD	NOT NULL	NUMBER(5,2)	The number of hours that must elapse before the deduction is made – Retrofitted
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_HOUR_DEDUCTION_RULES_FK1	NOT UNIQUE	1	FCL_DEDUCTION_TYPE
HXT_HOUR_DEDUCTION_RULES_FK2	NOT UNIQUE	1	HDP_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	HDP_ID

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HXT_HOUR_DEDUCT_POLICIES

Contains names and descriptions of the Hour Deduction policies.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated shift differential policy primary key – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Hour deduction policy name – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Hour deduction policy description – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who Column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who Column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_HOUR_DEDUCT_POLICIES_PK	UNIQUE	2	ID
HXT_HOUR_DEDUCT_POLICIES_UK	UNIQUE	2	NAME

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HXT_PREM_ELIGBLTY_POLICIES

Determines the premiums that may be paid on each base earning.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated unique ID – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Premium eligibility policy name – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Premium eligibility policy description – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PERM_ELIGBLITY_POLICIES_PK	UNIQUE	2	ID
HXT_PERM_ELIGBLTY_POLICIES_UK	UNIQUE	2	NAME
		4	DATE_FROM

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_PREM_ELIGBLTY_POL_RULES

Defines the policies which applies to eligible premiums for a group of people.

Column Descriptions

Name	Null?	Type	Description
PEP_ID (PK)	NOT NULL	NUMBER(15)	System generated Premium Eligibility Policy Rules primary key
ELT_BASE_ID (PK)	NOT NULL	NUMBER(9)	PAY_ELEMENT_TYPES_F foreign key
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PREM_ELGBLTY_POL_RULES_PK	UNIQUE	2	PEP_ID
		4	ELT_BASE_ID
		6	EFFECTIVE_START_DATE
		8	EFFECTIVE_END_DATE

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HXT_PREM_ELIGBLTY_RULES

Determines the rules which governs the Premium Eligibility.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HXT_PREM_ELIGBLTY_POLICIES	ID	PEP_ID

Column Descriptions

Name	Null?	Type	Description
PEP_ID (PK)	NOT NULL	NUMBER(15)	System generated unique ID – Retrofitted
ELT_BASE_ID (PK)	NOT NULL	NUMBER(9)	Base Earning Code – Retrofitted
ELT_PREMIUM_ID (PK)	NOT NULL	NUMBER(9)	Premium Earning Code – Retrofitted
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date; null means effective indefinitely – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PREM_ELIGBLTY_RULES_FK1	NOT UNIQUE	1	ELT_BASE_ID
HXT_PREM_ELIGBLTY_RULES_FK2	NOT UNIQUE	1	ELT_PREMIUM_ID
HXT_PREM_ELIGBLTY_RULES_FK3	NOT UNIQUE	1	PEP_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	PEP_ID

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HXT_PREM_INTERACT_POLICIES

Determines whether a premium includes components of previously applied premiums. For example, when a shift differential is paid on an overtime shift the system determines an adjustment by the overtime factor.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated unique ID – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Premium interaction policy name – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Premium interaction policy description – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PREM_INTERACT_POLICIES_PK	UNIQUE	2	ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_PREM_INTERACT_POL_RULES

Determines the rules which govern the premium interaction policies.

Column Descriptions

Name	Null?	Type	Description
PIP_ID (PK)	NOT NULL	NUMBER(15)	Premium Interaction Policy foreign key
ELT_EARNED_PREM_ID (PK)	NOT NULL	NUMBER(9)	PAY_ELEMENT_TYPES_F foreign key
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PERM_INTERACT_POL_RULES_PK	UNIQUE	2	PIP_ID
		4	ELT_EARNED_PREM_ID
		6	EFFECTIVE_START_DATE
		8	EFFECTIVE_END_DATE

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HXT_PREM_INTERACT_RULES

Determines the rules which apply to the premium interaction.

Column Descriptions

Name	Null?	Type	Description
PIP_ID (PK)	NOT NULL	NUMBER(15)	System generated unique ID – Retrofitted
ELT_EARNED_PREM_ID (PK)	NOT NULL	NUMBER(9)	Earned Premium Code – Retrofitted
ELT_PRIOR_PREM_ID (PK)	NOT NULL	NUMBER(9)	Prior Premium Code – Retrofitted
APPLY_PRIOR_PREM_YN	NOT NULL	VARCHAR2(1)	Include component of prior premium in earned premium rate Y/N – Retrofitted
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date; null means effective indefinitely – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PREM_INTERACT_RULES_FK1	NOT UNIQUE	1	ELT_EARNED_PREM_ID
HXT_PREM_INTERACT_RULES_FK2	NOT UNIQUE	1	ELT_PRIOR_PREM_ID
HXT_PREM_INTERACT_RULES_FK3	NOT UNIQUE	1	PIP_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	PIP_ID

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HXT_PREV_WAGE_BASE

Contains the details of the Prevailing Wage code. These details would then can be entered on the timecard. The Prevailing Wage would then be calculated based on a lookup table. The calculated wage is fed both into Payroll and Project Accounting.

Column Descriptions

Name	Null?	Type	Description
PREV_WAGE_CODE (PK)	NOT NULL	VARCHAR2(10)	Prevailing Wage Code
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective start date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	– Retrofitted
CONTRACT_NUMBER	NULL	VARCHAR2(30)	Contract number
REG_AMT	NULL	NUMBER(15,5)	Regular Amount
OVT_15_AMT	NULL	NUMBER(15,5)	Overtime 1.5 amount
OVT_20_AMT	NULL	NUMBER(15,5)	Overtime double time amount
FBE_AMT	NULL	NUMBER(15,5)	FBE Amount
PRINT_FLAG	NULL	VARCHAR2(1)	Print Flag
PROJECT_NUMBER	NULL	VARCHAR2(25)	Project number
BUILDING_NUMBER	NULL	VARCHAR2(20)	Building number
BUILDING_NAME	NULL	VARCHAR2(30)	Building Name
PREV_WAGE_DESC	NULL	VARCHAR2(40)	Prevailing wage description

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HXT_PROJECTS

Contains the details of projects that user has defined.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated project primary key – Retrofitted
ORGANIZATION_ID	NOT NULL	NUMBER(15)	Foreign key to HR_ORGANIZATION_UNITS record.
NAME	NOT NULL	VARCHAR2(80)	Project or work order title – Retrofitted
PRO_NUMBER	NOT NULL	VARCHAR2(10)	Project / Work Order number – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Project or work order description. – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_PROJECTS_FK	NOT UNIQUE	1	ORGANIZATION_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_ROTATION_PLANS

The details of a rotation plan which is composed of many work plans starting at specified dates.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated rotation plan primary key – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Rotation plan name – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Rotation plan description – Retrofitted
DATE_TO	NULL	DATE	Last effective day – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_ROTATION_PLANS_PK	UNIQUE	2	ID
HXT_ROTATION_PLANS_UK	UNIQUE	2	NAME

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_ROTATION_SCHEDULES

A location to put rotating work plan schedules.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HXT_ROTATION_PLANS	ID	RTP_ID
HXT_WEEKLY_WORK_SCHEDULES	ID	TWS_ID

Column Descriptions

Name	Null?	Type	Description
RTP_ID (PK)	NOT NULL	NUMBER(15)	System generated rotation plan primary key – Retrofitted
TWS_ID	NOT NULL	NUMBER(15)	System generated work plan primary key – Retrofitted
START_DATE (PK)	NOT NULL	DATE	Date work plan starts – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_ROTATION_SCHEDULES_FK1	NOT UNIQUE	1	RTP_ID
HXT_ROTATION_SCHEDULES_FK2	NOT UNIQUE	1	TWS_ID
HXT_ROTATION_SCHEDULES_PK	UNIQUE	2	RTP_ID
		4	START_DATE

Sequences

Sequence	Derived Column
HXT_SEQNO	RTP_ID

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HXT_SHIFTS

Defines company shifts based on a twenty–four hour clock. Shifts are created with start and stop times. Work Plan, work Schedule, and Shift are all used to calculate the number of hours paid. Shift hours are determined by Shift Stop Hours minus Shift Start Hours.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated shift primary key – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Shift name – Retrofitted
HOURS	NULL	NUMBER(7,3)	
STANDARD_START	NULL	NUMBER(4)	Start time of the shift – Retrofitted
STANDARD_STOP	NULL	NUMBER(4)	Stop time of the shift – Retrofitted
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	First effective date – Retrofitted
CODE	NULL	VARCHAR2(5)	Shift code – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Description – Retrofitted
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	VARCHAR2(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column
EARLY_START	NULL	NUMBER(4)	Time period that overtime is not paid – Retrofitted
LATE_STOP	NULL	NUMBER(4)	Time period that overtime is not paid – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_SHIFTS_PK	UNIQUE	2	ID
		4	EFFECTIVE_START_DATE
		6	EFFECTIVE_END_DATE
HXT_SHIFTS_UK	UNIQUE	2	NAME

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_SHIFT_DIFF_POLICIES

A location to put company shift differential policies. A shift differential policy can be made up of differentials which define the start and stop time(s). Differentials are linked to a shift differential type earning code. The daily shift differential is generated by matching the shift differential start and stop time to the employee time record start and stop time. The earning code and shift differential entries are used to compute the premium. If the time–in and time–out inputs are changed by data entry, the system recomputes the total hours and continues to apply the proper shift differential.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated shift differential policy primary key – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Shift differential policy name – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Description – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_SHIFT_DIFF_POLICIES_PK	UNIQUE	2	ID
HXT_SHIFT_DIFF_POLICIES_UK	UNIQUE	2	NAME

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_SHIFT_DIFF_RULES

Describes and defines a time range that includes separate pay rules for a specific shift.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated ID that is a differential shift primary key – Retrofitted
SDP_ID	NOT NULL	NUMBER(15)	System generated shift difference policy primary key – Retrofitted
ELEMENT_TYPE_ID	NULL	NUMBER(9)	Earning Code – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Differential shift name – Retrofitted
START_TIME	NOT NULL	NUMBER(4)	Earliest time person could start earning the corresponding shift – Retrofitted
STOP_TIME	NOT NULL	NUMBER(4)	Latest time person could start earning the corresponding shift pr – Retrofitted
CARRYOVER_TIME	NOT NULL	NUMBER(4)	Latest time person could continue earning the corresponding shift – Retrofitted
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective start date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective end date
CREATED_BY	NULL	NUMBER(15)	Standard Who DAte – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who date – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_SHIFT_DIFF_RULES_FK1	NOT UNIQUE	1	ELEMENT_TYPE_ID
HXT_SHIFT_DIFF_RULES_FK2	NOT UNIQUE	1	SDP_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_SUM_HOURS_WORKED_F

Describes a summary of the number of hours, rate and type of premium associated with each hour worked in a payroll period..

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key – Retrofitted
LINE_STATUS	NULL	VARCHAR2(1)	Line status
TIM_ID	NOT NULL	NUMBER(15)	Foreign key to HXT_TIMECARDS record. – Retrofitted
DATE_WORKED	NOT NULL	DATE	The date the hours were worked or absence was taken – Retrofitted
ASSIGNMENT_ID	NOT NULL	NUMBER(10)	Assignment worked – Retrofitted
HOURS	NOT NULL	NUMBER(7,3)	Number of hours worked or absent – Retrofitted
TIME_IN	NULL	DATE	Time in – Retrofitted
TIME_OUT	NULL	DATE	Time out – Retrofitted
ELEMENT_TYPE_ID	NULL	NUMBER(9)	Earning Code – Retrofitted
FCL_EARN_REASON_CODE	NULL	VARCHAR2(30)	Earning Reason lookup
FFV_COST_CENTER_ID	NULL	NUMBER(15)	Cost Center identifier
FFV_LABOR_ACCOUNT_ID	NULL	NUMBER(15)	Labour Account identifier
TAS_ID	NULL	NUMBER(15)	System generated task primary key – Retrofitted
LOCATION_ID	NULL	NUMBER(15)	Foreign key to HR_LOCATIONS record,
SHT_ID	NULL	NUMBER(15)	System generated shift primary key – Retrofitted
HRW_COMMENT	NULL	VARCHAR2(255)	Comment
FFV_RATE_CODE_ID	NULL	NUMBER(15)	Rate Code identifier
RATE_MULTIPLE	NULL	NUMBER(15,5)	Rate Multiple factor
HOURLY_RATE	NULL	NUMBER(15,5)	Hourly Rate
AMOUNT	NULL	NUMBER(15,5)	Amount factor
FCL_TAX_RULE_CODE	NULL	VARCHAR2(30)	Tax Rule lookups from Fnd_Common_Lookups
SEPARATE_CHECK_FLAG	NULL	VARCHAR2(30)	Separate check
SEQNO	NOT NULL	NUMBER(5)	Sequence number
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column
ACTUAL_TIME_IN	NULL	DATE	Actual time in
ACTUAL_TIME_OUT	NULL	DATE	Actual time out
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective start date
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective end date.
PROJECT_ID	NULL	NUMBER(15)	Foreign key to HXT_PROJECTS (PA_PROJECTS if Project accounting is installed) records.
PREV_WAGE_CODE	NULL	VARCHAR2(10)	Prevailing wage code
JOB_ID	NULL	NUMBER(15)	Foreign key to per_jobs record.
EARN_POL_ID	NULL	NUMBER(15)	Foreign key to HXT_EARNING_POLICIES record.

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ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column.
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE21	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE22	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE23	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE24	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE25	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE26	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE27	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive flexfield column.
ATTRIBUTE29	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE30	NULL	VARCHAR2(150)	Descriptive flexfield column.

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_SUM_HOURS_WORKED_N1	NOT UNIQUE	1	TIM_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_TASKS

Defines a divided project assigned to an employee.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HXT_PROJECTS	ID	PRO_ID

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated task primary key
PRO_ID	NOT NULL	NUMBER(15)	System generated project primary key
NAME	NOT NULL	VARCHAR2(80)	Task name
DATE_FROM	NOT NULL	DATE	First effective date
DESCRIPTION	NULL	VARCHAR2(255)	Task description
ESTIMATED_TIME	NULL	NUMBER(8,2)	Estimated hours or days of duration.
FCL_UNITS	NULL	VARCHAR2(30)	Lookup code for task unit
DATE_TO	NULL	DATE	Last effective date
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TASK_NUMBER	NULL	VARCHAR2(25)	Task number

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_TASKS_N1	NOT UNIQUE	1	PRO_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_TIMECARDS_F

A location to store the number of hours an employee works in a payroll period.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated primary key – Retrofitted
FOR_PERSON_ID	NOT NULL	NUMBER(10)	– Column already exists – Retrofitted
TIME_PERIOD_ID	NOT NULL	NUMBER(15)	PER_TIME_PERIODS foreign key.
AUTO_GEN_FLAG	NULL	VARCHAR2(1)	Y/N whether timecard auto-generated, C if details have been changed – Retrofitted
BATCH_ID	NULL	NUMBER(15)	Foreign key to PAY_BATCH_HEADERS record.
APPROV_PERSON_ID	NULL	NUMBER(10)	– Column already exists – Retrofitted
APPROVED_TIMESTAMP	NULL	DATE	Time and date timecard was approved. – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted
PAYROLL_ID	NOT NULL	NUMBER(15)	PAY_PAYROLLS_F foreign key.
STATUS	NULL	VARCHAR2(1)	Status – ”A” auto-generated, ”C” changed.
EFFECTIVE_END_DATE (PK)	NOT NULL	DATE	Effective End date
EFFECTIVE_START_DATE (PK)	NOT NULL	DATE	Effective start date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column.
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield column.

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ATTRIBUTE21	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE22	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE23	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE24	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE25	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE26	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE27	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE28	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE29	NULL	VARCHAR2(150)	Descriptive flexfield column.
ATTRIBUTE30	NULL	VARCHAR2(150)	Descriptive flexfield column.

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_TIMECARDS_PK	UNIQUE	2	ID
		4	EFFECTIVE_END_DATE
		6	EFFECTIVE_START_DATE
HXT_TIMECARDS_UK	UNIQUE	2	FOR_PERSON_ID
		4	TIME_PERIOD_ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_VARIANCES

A location to define earning variance thresholds (highs and lows).

Column Descriptions

Name	Null?	Type	Description
FCL_PERIOD (PK)	NOT NULL	VARCHAR2(30)	Period
VAR_TYPE	NOT NULL	VARCHAR2(10)	Variance type
VAR_TYPE_ID (PK)	NOT NULL	NUMBER(15)	Variance type ID
HIGH	NOT NULL	NUMBER(12,3)	Variance high threshold – Retrofitted
LOW	NOT NULL	NUMBER(12,3)	Variance low threshold – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
ELEMENT_TYPE_ID	NULL	NUMBER(9)	Earning Code – Retrofitted
LOCATION_ID	NULL	NUMBER(15)	HR_LOCATION foreign key
ORGANIZATION_ID	NULL	NUMBER(15)	HR_ORGANIZATION_UNITS foreign key
AVERAGE	NULL	NUMBER(12,3)	Variance average threshold – Retrofitted
BALANCE_NAME	NULL	VARCHAR2(80)	The name of the Balance for this variance – Retrofitted
BALANCE_DIMENSION	NULL	VARCHAR2(80)	The dimension of the balance (must be Hours) – Retrofitted
BALANCE_LEVEL	NULL	VARCHAR2(60)	The level of the Balance (should be assignment] – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_VARIANCES_FK1	NOT UNIQUE	1	ELEMENT_TYPE_ID
HXT_VARIANCES_FK2	NOT UNIQUE	1	FCL_PERIOD
HXT_VARIANCES_FK3	NOT UNIQUE	1	LOCATION_ID
HXT_VARIANCES_FK4	NOT UNIQUE	1	ORGANIZATION_ID

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HXT_WEEKLY_WORK_SCHEDULES

A location to define a company's various employee work plans. Assigning a new work plan is easily done throughout the pay year. The work plan indicates the employees shift for each day. An employee's work shift is the foundation for all earnings. Provides an unlimited number of plans with early or late start and stop times including any grace periods. Multiple work plans may be effective during the pay period.

Column Descriptions

Name	Null?	Type	Description
ID (PK)	NOT NULL	NUMBER(15)	System generated work plan primary key – Retrofitted
NAME	NOT NULL	VARCHAR2(80)	Work plan name – Retrofitted
START_DAY	NOT NULL	VARCHAR2(3)	The day of the week this schedule will start. – Retrofitted
DATE_FROM	NOT NULL	DATE	First effective date – Retrofitted
DESCRIPTION	NULL	VARCHAR2(255)	Work plan description – Retrofitted
DATE_TO	NULL	DATE	Last effective date – Retrofitted
CREATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
CREATION_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column – Retrofitted
LAST_UPDATE_DATE	NULL	DATE	Standard Who column – Retrofitted
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column – Retrofitted

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_WEEKLY_SCHEDULES_UK	UNIQUE	2	NAME
HXT_WEEKLY_WORK_SCHEDULES_PK	UNIQUE	2	ID

Sequences

Sequence	Derived Column
HXT_SEQNO	ID

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HXT_WORK_SHIFTS

A location to define an employee's work shifts on which all earnings are based. Provides an unlimited number of shifts with early or late start and stop times including any grace periods.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HXT_SHIFTS	ID	SHT_ID
PAY_ELEMENT_TYPES_F	ELEMENT_TYPE_ID	SHIFT_DIFF_OVRRD_ID

Column Descriptions

Name	Null?	Type	Description
SHT_ID (PK)	NOT NULL	NUMBER(15)	Shifts foreign key
TWS_ID (PK)	NOT NULL	NUMBER(15)	Work plan foreign key
WEEK_DAY	NULL	VARCHAR2(3)	Day of the week
SEQ_NO (PK)	NOT NULL	NUMBER(1)	Sequence day will show up in work shift
EARLY_START	NULL	NUMBER(4)	Early shift start time
LATE_STOP	NULL	NUMBER(4)	Late shift stop time
CREATED_BY	NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NULL	DATE	Standard Who Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who Column
OFF_SHIFT_PREM_ID	NULL	NUMBER(9)	PAY_ELEMENT_TYPES_F foreign key
SHIFT_DIFF_OVRRD_ID	NOT NULL	NUMBER(9)	PAY_ELEMENT_TYPES_F foreign key

Indexes

Index Name	Index Type	Sequence	Column Name
HXT_WORK_SHIFTS_FK1	NOT UNIQUE	1	TWS_ID
		2	WEEK_DAY
HXT_WORK_SHIFTS_FK2	NOT UNIQUE	1	SHIFT_DIFF_OVRRD_ID
HXT_WORK_SHIFTS_FK3	NOT UNIQUE	1	OFF_SHIFT_PREM_ID
HXT_WORK_SHIFTS_FK4	NOT UNIQUE	1	SHT_ID
HXT_WORK_SHIFTS_FK5	NOT UNIQUE	1	TWS_ID

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