

# Oracle® Engineering Technical Reference Manual

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# Introduction

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

This chapter introduces you to the *Oracle Engineering 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 Engineering Technical Reference Manual* contains detailed, up-to-date information about the underlying structure of Oracle Engineering. As we design and build new releases of Oracle Engineering, we update our Oracle Designer repository to reflect our enhancements. As a result, we can always provide you with an *Oracle Engineering 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 Engineering to improve performance.

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## About this Manual

This manual describes the Oracle Applications Release 11i data model, as used by Oracle Engineering; it discusses the database we include with a fresh install of Oracle Applications Release 11i. If you have not yet upgraded to Release 11i, 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 Engineering 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 11i.

You can contact your Oracle representative to confirm that you have the latest technical information for Oracle Engineering. You can also use *OracleMetaLink* which is accessible through Oracle's Support Web Center ([http://www.oracle.com/support/elec\\_sup](http://www.oracle.com/support/elec_sup)).



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## Finding the Latest Information

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

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## Audience

The *Oracle Engineering 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 Oracle Engineering. 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).

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## How This Manual is Organized

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

### High-Level Design

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

## **Detailed Design**

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

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## How to Use This Manual

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

- Convert existing application data
- Integrate your Oracle Engineering 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.

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## How Not To Use This Manual

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### **Do not use this manual to plan modifications**

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

We have constructed Oracle Engineering 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 Engineering Technical Reference Manual* does not contain complete information about the dependencies between Oracle Engineering applications tables. Therefore, you 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 Engineering 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**

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Oracle reserves the right to change the structure of Oracle Engineering 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 Engineering 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.

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## **About Oracle Application Object Library**

The *Oracle Engineering 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.

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**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 Oracle Engineering.

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## A Few Words About Terminology

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

### **Relationship**

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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**

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

### **Summary Database Diagram**

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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**

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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**

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An application building block is a set of tables and modules (forms, reports, and concurrent programs) that implement closely-related

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database objects and their associated processing. Said another way, an application building block is a logical unit of an application.

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### **QuickCodes**

QuickCodes let you define general purpose, static lists of values for window fields. QuickCodes allow you to base your program logic on lookup codes while displaying user-friendly names in a list of values window. QuickCodes simplify name and language changes by letting you change the names your end users see, while the codes in your underlying programs remain the same.

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### **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.

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## **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 Oracle Engineering. We want to make these products easy for you and your staff to understand and use.

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### **Oracle Designer Online Documentation**

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

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### **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

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custom Developer forms so that they integrate with Oracle Applications.

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

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### **Oracle Engineering User Guide**

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

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### **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.

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### **Oracle Applications Flexfields Guide**

This guide provides flexfields planning, setup and reference information for the Oracle Engineering 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.

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### **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**

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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**

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If you use the Multiple Reporting Currencies feature to report and maintain accounting records in more than one currency, use this manual before implementing Oracle Engineering. This manual details additional steps and setup considerations for implementing Oracle Engineering with this feature.

## **Multiple Organizations in Oracle Applications**

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If you use the Oracle Applications Multiple Organization Support feature to use multiple sets of books for one Oracle Engineering installation, use this guide to learn about setting up and using Oracle Engineering 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**

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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**

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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**

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

## **Oracle Applications Concepts**

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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 11i. 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**

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

## **Using the AD Utilities**

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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**

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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**

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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**

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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**

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

## **Oracle Applications Implementation Wizard User Guide**

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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**

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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**

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From on-site support to central support, our team of experienced professionals provides the help and information you need to keep Oracle Engineering 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

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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, an integrated suite of more than 75 software modules for financial management, 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, allowing 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 applications products, along with related consulting, education, and support services, in over 145 countries around the world.

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## Thank You

Thanks for using Oracle Engineering and this technical reference manual!

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Oracle Corporation  
500 Oracle Parkway  
Redwood Shores, California 94065  
U.S.A.

Or, send electronic mail to [appsdoc@us.oracle.com](mailto:appsdoc@us.oracle.com).

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# High-Level Design

**T**his chapter presents a high-level design for Oracle Engineering that satisfies the business needs we specify during Strategy and Analysis. It contains database diagrams for Oracle Engineering 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 Engineering applications. And, you can prepare yourself to understand the detailed design and implementation of Oracle Engineering.

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## 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 Engineering application depends.

---

## Database Diagrams

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

Use this section to quickly learn what tables each Oracle Engineering application building block uses, and how those 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.

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## Table Lists

The Table List sections list the Oracle Engineering 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 Engineering; we do not provide additional documentation for these tables.

---

## View Lists

The View List sections list the Oracle Engineering 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, 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.

## **Internal Views**

---

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

## **Multiple Reporting Currency Views**

---

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

---

## **Module List**

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

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.

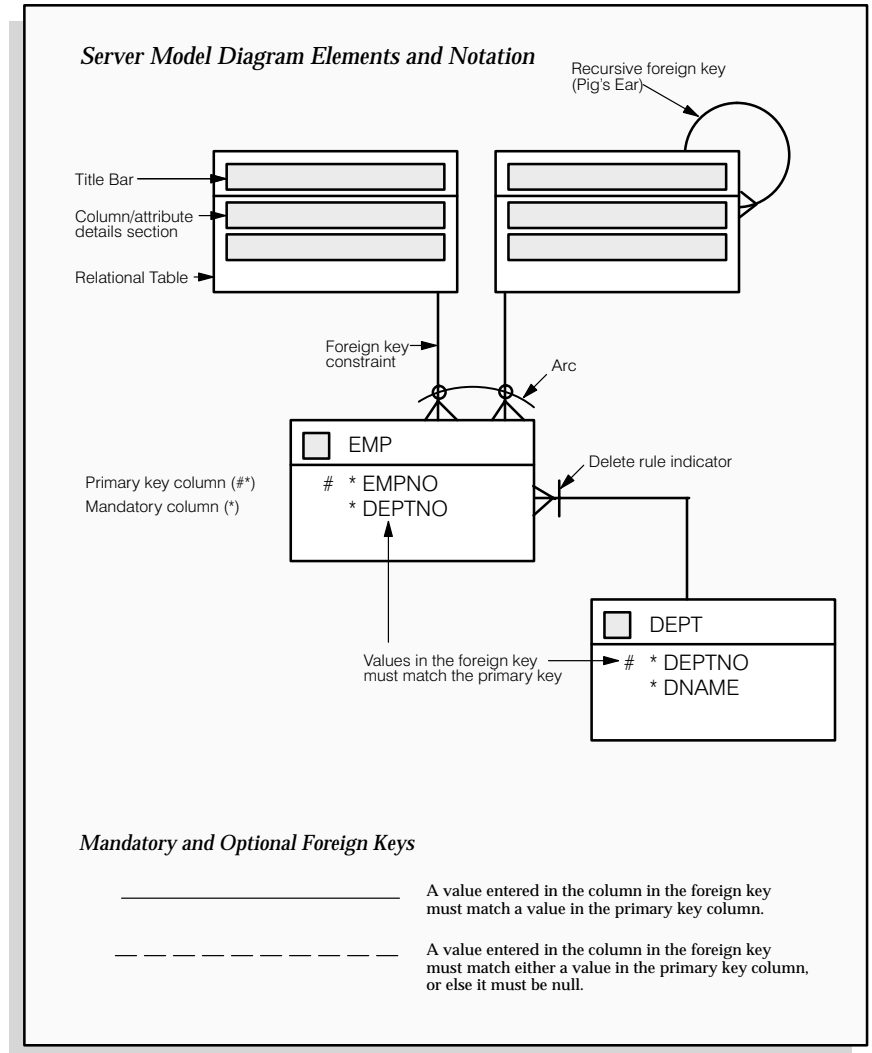
The Reports and Concurrent Programs lists include processes you can submit from the Submit Requests window or other windows, as well as processes that are submitted automatically by Oracle Engineering. Use your user guide to learn more about reports and concurrent processes.



## Database Diagramming Conventions

We use the following notational conventions in our database diagrams:

**Figure 2 – 1**  
**Database Diagram**  
**Conventions**



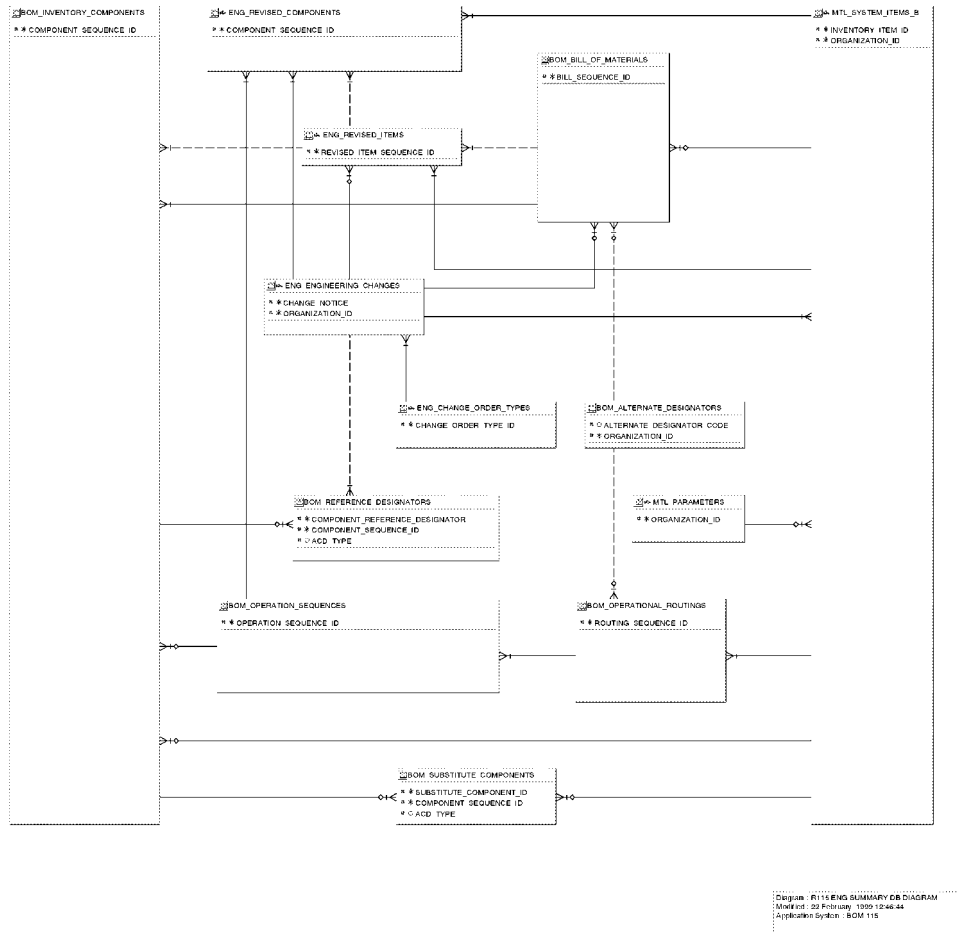
**Tables** – are the basic unit of storage in the database. A hand symbol preceding the title in the table's title bar indicates that the table is not owned by this application but shared with another.

**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.

# Oracle Engineering Summary Database Diagram



---

## Database Diagrams

This section graphically represents most of the significant Oracle Engineering tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each Oracle Engineering 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 Engineering application building blocks:

- Diagram 1: Engineering Change Order

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.

### Engineering Change Order

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This diagram shows the tables and relationships that contain Engineering Change Order information. It reveals how revised items can be implemented as ECO revisions through the ECO approval process.

---

## How to Use These Database Diagrams

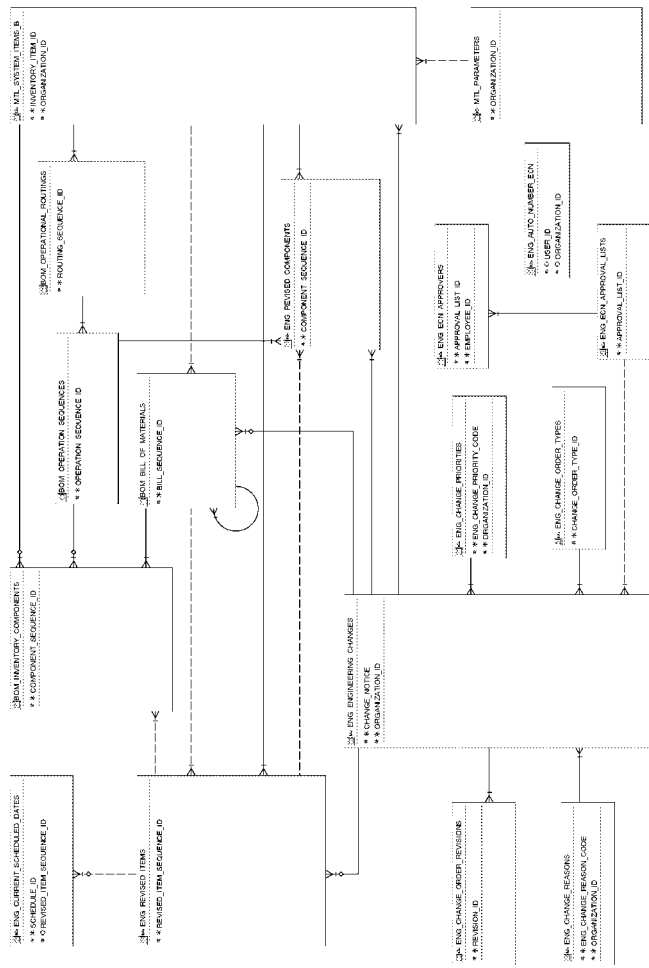
Here is an example of how you might use this database diagram:

Suppose you want to integrate engineering change orders from your non-Oracle application. You want to see how your Oracle Engineering application uses change priorities and change reasons when implementing an engineering change order. You turn to Diagram 1 to see the table structure for implementing an ECO. You learn that change priorities and change reasons are used by MTL Parameters. Moreover, change priorities assigns a priority number to the ECO which determines the order which it is evaluated. Next, turn to the Table and View Definitions section in Chapter 3 to learn about the columns in each of these tables to facilitate the integration of your data.

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

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# Diagram 1: Engineering Change Order



# Public Table List

This section lists each public database table that Oracle Engineering 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 Engineering uses the following Public tables:

Table Name	Description
BOM_ALTERNATE_DESIGNATORS	Alternate designators (See page 3 – 7)
BOM_BILL_OF_MATERIALS	Bills of material (See page 3 – 8)
BOM_DEPENDENT_DESC_ELEMENTS	Descriptive elements assigned to model/option bills (See page 3 – 11)
BOM_INVENTORY_COMPONENTS	Bill of material components (See page 3 – 12)
BOM_OPERATIONAL_ROUTINGS	Routings (See page 3 – 17)
BOM_OPERATION_SEQUENCES	Routing operations (See page 3 – 20)
BOM_PARAMETERS	Bills of material parameters (See page 3 – 24)
BOM_REFERENCE_DESIGNATORS	Component reference designators (See page 3 – 26)
BOM_STANDARD_OPERATIONS	Standard operations (See page 3 – 28)
BOM_SUBSTITUTE_COMPONENTS	Substitute components (See page 3 – 31)
CST_ELEMENTAL_COSTS	Standard elemental cost history (See page 3 – 33)
CST_ITEM_COSTS	Item cost summary (See page 3 – 34)
CST_ITEM_COST_DETAILS	Item cost detail information (See page 3 – 36)
CST_STANDARD_COSTS	Standard cost history (See page 3 – 39)
ENG_AUTO_NUMBER_ECN	Holds the prefix and numbers for auto numbering an engineering change order (ECO) (See page 3 – 41)
ENG_CHANGE_ORDER_REVISIONS	Engineering change order (ECO) reasons (See page 3 – 42)

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ENG_CHANGE_ORDER_TYPES	Engineering change order types (See page 3 – 44)
ENG_CHANGE_PRIORITIES	Engineering change order priorities (See page 3 – 46)
ENG_CHANGE_REASONS	Engineering change order reasons (See page 3 – 47)
ENG_CHANGE_TYPE_PROCESSES	Engineering change type processes (See page 3 – 48)
ENG_CURRENT_SCHEDULED_DATES	Current and historical ECO scheduled implementation dates (See page 3 – 49)
ENG_ECN_APPROVAL_LISTS	Engineering change order approval lists (See page 3 – 50)
ENG_ECN_APPROVERS	Engineering change order approvers (See page 3 – 51)
ENG_ECO_REVISIONS_INTERFACE	Temporary store of revision information about an engineering change order (See page 3 – 52)
ENG_ECO_SUBMIT_REVISIONS	Approval history (See page 3 – 54)
ENG_ENGINEERING_CHANGES	Engineering change orders (See page 3 – 55)
ENG_ENG_CHANGES_INTERFACE	Mass change orders (See page 3 – 64)
ENG_REVISIED_COMPONENTS	Implemented and cancelled revised components (See page 3 – 67)
ENG_REVISIED_ITEMS	Pending and implemented revised items (See page 3 – 70)
ENG_REVISIED_ITEMS_INTERFACE	Mass change details (See page 3 – 73)
ENG_REVISIED_OPERATIONS	Revised Operations (See page 3 – 77)
FA_CATEGORIES_B	Default financial information for asset categories (base MLS table) (See page 3 – 87)
FA_SYSTEM_CONTROLS	System-wide controls that affect all assets (See page 3 – 91)
FINANCIALS_SYSTEM_PARAMS_ALL	Oracle Financials system parameters and defaults (See page 3 – 93)
FND_APPLICATION	Applications registered with Oracle Application Object Library No table description
FND_DATA_GROUP_UNITS	ORACLE accounts for applications assigned to various data groups No table description
FND_DESCR_FLEX_CONTEXTS	Structure names for descriptive flexfields No table description

FND_PRODUCT_DEPENDENCIES	Dependencies of Oracle Applications products installed at your site No table description
FND_PRODUCT_INSTALLATIONS	Oracle Applications products installed at your site No table description
FND_RESPONSIBILITY	Responsibilities No table description
FND_TABLES	Tables registered in applications No table description
FND_TERRITORIES	Territories, also known as countries No table description
FND_USER	Application users No table description
GL_CODE_COMBINATIONS	Account combinations (See page 3 – 97)
GL_SETS_OF_BOOKS	Set of books definitions (See page 3 – 102)
HR_ALL_ORGANIZATION_UNITS	Organization unit definitions. (See page 3 – 106)
HR_ORGANIZATION_INFORMATION	Additional attributes of an organization, dependent on class or organization information type. (See page 3 – 108)
MRP_DESIGNATORS	Plan names (See page 3 – 111)
MRP_PLANS	Settings for a specific plan name (See page 3 – 113)
MRP_SYSTEM_ITEMS	MRP item master (See page 3 – 119)
MTL_CATEGORIES_B	Code combinations table for item categories (See page 3 – 124)
MTL_CROSS_REFERENCES	Assign cross references to items (See page 3 – 126)
MTL_CROSS_REFERENCE_TYPES	Define cross reference types (See page 3 – 128)
MTL_DEFAULT_CATEGORY_SETS	Default category set for a particular functional area (See page 3 – 129)
MTL_DEMAND	Sales order demand and reservations (See page 3 – 131)
MTL_DESCR_ELEMENT_VALUES	Stores the descriptive element values for a particular item (See page 3 – 137)
MTL_ITEM_CATEGORIES	Define item assignments to categories (See page 3 – 139)
MTL_ITEM_LOCATIONS	Definitions for stock locators (See page 3 – 141)
MTL_ITEM_REVISIONS	Item revisions (See page 3 – 144)
MTL_ITEM_STATUS	Material status definitions (See page 3 – 146)

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MTL_ITEM_SUB_INVENTORIES	Item–subinventory assignments (See page 3 – 147)
MTL_ONHAND_QUANTITIES	FIFO quantities by control level and receipt (See page 3 – 149)
MTL_PARAMETERS	Inventory control options and defaults (See page 3 – 151)
MTL_PENDING_ITEM_STATUS	History of item–status assignments (See page 3 – 158)
MTL_PICKING_RULES	Picking Rule Definitions (See page 3 – 160)
MTL_RELATED_ITEMS	Item relationships (See page 3 – 162)
MTL_RTG_ITEM_REVISIONS	Routing revisions (See page 3 – 164)
MTL_SALES_ORDERS	Local definitions of sales orders (See page 3 – 166)
MTL_SECONDARY_INVENTORIES	Subinventory definitions (See page 3 – 168)
MTL_SECONDARY_LOCATORS	Item–subinventory–locator assignments (See page 3 – 172)
MTL_SERIAL_NUMBERS	Serial number definitions (See page 3 – 173)
MTL_SYSTEM_ITEMS_B	Inventory item definitions (See page 3 – 179)
MTL_TRANSACTION_LOT_NUMBERS	Transaction lot numbers (See page 3 – 199)
MTL_UNITS_OF_MEASURE_TL	Unit of measure definitions (See page 3 – 202)
MTL_UOM_CONVERSIONS	Unit of measure conversion table for both default and item specific conversions (See page 3 – 204)
PA_PROJECTS_ALL	Information about projects (See page 3 – 206)
PA_TASKS	User–defined subdivisions of project work (See page 3 – 214)
PO_HAZARD_CLASSES_B	Hazardous classes (See page 3 – 221)
PO_HEADERS_ALL	Document headers (for purchase orders, purchase agreements, quotations, RFQs) (See page 3 – 223)
PO_SYSTEM_PARAMETERS_ALL	Purchasing options (See page 3 – 231)
PO_UN_NUMBERS_B	United Nations numbers (See page 3 – 236)
PO_VENDORS	Suppliers (See page 3 – 238)
WIP_DISCRETE_JOBS	Discrete jobs (See page 3 – 245)

WIP_ENTITIES	Information common to jobs and schedules (See page 3 – 251)
WIP_LINES	Production lines (See page 3 – 253)
WIP_OPERATIONS	Operations necessary for jobs and schedules (See page 3 – 255)
WIP_PARAMETERS	WIP specific organization level parameters (See page 3 – 258)
WIP_PERIOD_BALANCES	Job and schedule charges, by accounting period (See page 3 – 262)
WIP_REPETITIVE_ITEMS	Line/assembly associations (See page 3 – 265)
WIP_REPETITIVE_SCHEDULES	Repetitive schedules (See page 3 – 268)
WIP_REQUIREMENT_OPERATIONS	Components required by jobs and schedules (See page 3 – 271)

## Public View List

This section lists each public database view that Oracle Engineering uses and provides a brief description of each of those views. These views may be useful for your custom reporting or other data requirements. The page reference is to the detailed view description in Chapter 3.

Oracle Engineering uses the following public views:

View Name	Description
EDWBV_ITEM_ITEMMORGPF_LCV	No view description
EDWBV_ITEM_ITEMMORG_LCV	No view description
EDWBV_ITEM_ITEMREV_LCV	No view description
EDWBV_ITEM_ITEM_CAT_LCV	No view description
EDWBV_ITEM_ITEM_LCV	No view description
EDWBV_ITEM_ITEM_ORG_CAT_LCV	No view description
EDWBV_ITEM_ONETIME_ITEMMORG_LCV	No view description
EDWBV_ITEM_ONETIME_ITEM_LCV	No view description
EDWBV_ITEM_PRDFAM_LCV	No view description
EDW_BRES_DEPT_CLASS_LCV	No view description
EDW_BRES_DEPT_LCV	No view description
EDW_BRES_PLANT_LCV	No view description
EDW_BRES_RESCAT_LCV	No view description
EDW_BRES_RESGROUP_LCV	No view description
EDW_BRES_RESOURCE_LCV	No view description
EDW_BRES_RESTYPE_LCV	No view description
EDW_ITEMS_CATEGORY_FKV	No view description
EDW_ITEMS_ITEM_ORG_FKV	No view description
EDW_ITEMS_ITEM_REV_FKV	No view description
EDW_ITEM_ITEMMORGPF_LCV	No view description
EDW_ITEM_ITEMMORG_LCV	No view description

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EDW_ITEM_ITEMREV_LCV	No view description
EDW_ITEM_ITEM_CAT_LCV	No view description
EDW_ITEM_ITEM_LCV	No view description
EDW_ITEM_ITEM_ORG_CAT_LCV	No view description
EDW_ITEM_ONETIME_ITEMORG_LCV	No view description
EDW_ITEM_ONETIME_ITEM_LCV	No view description
EDW_ITEM_PRDFAM_LCV	No view description
EDW_ITEM_PROD_CATG_LCV	No view description
EDW_ITEM_PROD_GRP_LCV	No view description
EDW_ITEM_PROD_LINE_LCV	No view description
ENG_CHANGE_ORDER_TYPES_VAL_V	Engineering change order types – enabled records only (See page 3 – 45)
ENG_ENGINEERING_CHANGES_ALL_V	All engineering change orders (See page 3 – 58)
ENG_ENGINEERING_CHANGES_VAL_V	Non-cancelled engineering change orders (See page 3 – 61)
ENG_REVISIED_OPERATIONS_V	No view description

---

# Web View List

This section lists each view we created to simplify access from Oracle Self-Service Web Applications, and it provides a brief description of each of those views. The page reference is to the view description in Chapter 3.

Oracle Engineering uses the following Web views:

View Name	Description
ENG_WEB_REF_DESIG_V	Revised reference designators designed for use in Oracle self service web applications (See page 3 – 79)
ENG_WEB_REVISIED_COMPS_V	Revised component on an ECO designed for use in Oracle self service web applications (See page 3 – 80)
ENG_WEB_SCHEDULE_V	Revised items (See page 3 – 83)
ENG_WEB_SUB_COMPS_V	Revised substitute components designed for use in Oracle self service web applications (See page 3 – 86)

---

## Forms and Table View List

This section lists supplementary views that are not essential to the Release 11i data model, but simplify coding or improve performance of Developer. For example, many of these views are used as base tables in Oracle Engineering forms.



**Warning:** We do not recommend you query or alter data using these views. Furthermore, these views may change dramatically in subsequent minor or major releases of Oracle Engineering.

Oracle Engineering uses the following Forms and Table views:

- ENG\_AUTONUM\_ALL\_ORGS\_V
- ENG\_AUTONUM\_ORGS\_V
- ENG\_AUTO\_NUMBER\_ECN\_USERS\_V
- ENG\_CHANGE\_ORDER\_REVISIONS\_V
- ENG\_CHANGE\_ORDER\_TYPES\_V
- ENG\_CHANGE\_TYPE\_PROCESSES\_V
- ENG\_CURRENT\_SCHEDULED\_DATES\_V
- ENG\_ECN\_APPROVERS\_V
- ENG\_ECO\_DEPARTMENTS\_VIEW
- ENG\_ECO\_SUBMIT\_REVS\_V
- ENG\_ENGINEERING\_CHANGES\_V
- ENG\_ENG\_CHANGES\_INTERFACE\_V
- ENG\_REVISIED\_COMPONENTS\_V
- ENG\_REVISIED\_ITEMS\_API\_V
- ENG\_REVISIED\_ITEMS\_INTERFACE\_V
- ENG\_REVISIED\_ITEMS\_SCHEDULE\_V
- ENG\_REVISIED\_ITEMS\_V
- ENG\_WF\_PROCESS\_V
- HR\_EMPLOYEES
- HR\_EMPLOYEES\_CURRENT\_V
- MTL\_EMPLOYEES\_CURRENT\_VIEW
- MTL\_EMPLOYEES\_VIEW

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- MTL\_ITEM\_FLEXFIELDS
- ORG\_ORGANIZATION\_DEFINITIONS
- PER\_PEOPLE\_X

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## Internal View List

This section lists each private, internal view that Oracle Engineering uses.



**Warning:** Oracle Corporation does not support access to Oracle Applications data using these views, except from standard Oracle Applications forms, reports, and programs.

Oracle Engineering uses the following internal views:

- BOM\_REF\_DESIGNATORS\_VIEW
- ENG\_COMPONENT\_VIEW
- ENG\_ENG\_CHANGES\_API\_V
- MTL\_ITEM\_LOCATIONS\_VIEW
- PO\_VENDORS\_VIEW



---

## Module List

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

---

### Forms

ENGFDCT	Define Engineering Change Order Types
ENGFDEAL	Define Engineering Change Order Approval Lists
ENGFDECN	Define Engineering Change Order
ENGFDECP	Define Engineering Change Priorities
ENGFDECR	Define Engineering Change Order Reasons
ENGFDSAN	Define Engineering Change Order Autonumbering
ENGFLBT	Transfer Engineering Data
ENGFOECS	View Engineering Change Order Schedules

---

### Reports

BOMRASSY	Bill of Material Listing Report
BOMRBOMC	Consolidated Bill of Material Report
BOMRBOMS	Bill of Material Structure Report
BOMRWUIT	Item Where Used Report
CSTRBICR	BOM Indented Cost Report
ENGRCNDR	Engineering Change Order Detail Report
ENGRCNDR	Engineering Change Order Schedule Report
ENGRCOAL	Engineering Change Order Approval Lists Report
ENGRDECP	Engineering Change Order Priorities Report
ENGRDECR	Engineering Change Order Reasons Report
ENGRECOT	Engineering Change Order Types Report

---

## Concurrent Programs

BMCDEL	Delete Item Information
BMCMUD	Mass Change Bills of Material
BOMPECOD	Stored procedure that deletes an ECO and all the associated data
CSOCINT	Service OC Interface
CYCROL	Bill of Resources Load
ENCACN	Automatic Engineering Change Order Implementation
ENCECP	Engineering Change Order Purge program
ENCOIN	Engineering Interface
ENGPKIMP	Stored package that implements a revised item on an ECO

CHAPTER

# 3

## Detailed Design

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

---

## 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 Engineering that enables you to:

- Convert existing application data
- Integrate your Oracle Engineering 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 Engineering applications tables. For each table, it provides information about primary keys, foreign keys, QuickCodes, 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 Engineering application contains, and how it uses them to hold and access the information it needs.

---

## Table and View Definitions

This section contains a detailed description of each Oracle Engineering 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 Oracle Engineering 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.

---

### QuickCodes Columns

When a database column contains a QuickCodes value, which we implement using a foreign key to FND\_LOOKUPS, MFG\_LOOKUPS, or to some other lookup table, we list the QuickCodes type (lookup

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type) to which the QuickCodes value must belong and a complete list of QuickCodes values and meanings. Some QuickCodes 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 Oracle Engineering 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 Oracle Engineering 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:

<b>Not currently used</b>	Oracle Engineering does not use this column, although the column might be used in a future release.
<b>No longer used</b>	Oracle Engineering no longer uses this column. AutoInstall installs this column. Subsequent versions of Oracle Engineering might not include this column.
<b>No longer installed</b>	Oracle Engineering no longer uses this column. If you <i>upgraded</i> 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 <i>install</i> Oracle Engineering, you do not have this column.

### Standard Who Columns

---

Most Oracle Engineering tables contain standard columns to support \ **Row Who**. 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 inserts a row in an

interface table, you must populate each of the five standard Who columns:

<b>LAST_UPDATE_DATE</b>	Date when a user last updated this row
<b>LAST_UPDATED_BY</b>	User who last updated this row (foreign key to FND_USER.USER_ID)
<b>CREATION_DATE</b>	Date when this row was created
<b>CREATED_BY</b>	User who created this row (foreign key to FND_USER.USER_ID)
<b>LAST_UPDATE_LOGIN</b>	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 Engineering 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:

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

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.

---

## Indexes

If an Oracle Engineering 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 Engineering.

---

## Sequences

Oracle Engineering 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.

---

## 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 Engineering 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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## BOM\_ALTERNATE\_DESIGNATORS

BOM\_ALTERNATE\_DESIGNATORS stores the alternate designators that you use to define alternate bills of material and routings.

You cannot use the alternate designator to define an alternate bill or routing after its DISABLE\_DATE.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
ALTERNATE_DESIGNATOR_CODE (PK)	NULL	VARCHAR2(10)	Alternate designator code
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(240)	Description
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
BOM_ALTERNATE_DESIGNATORS_N1	NOT UNIQUE	1	ORGANIZATION_ID
BOM_ALTERNATE_DESIGNATORS_U1	UNIQUE	1	ALTERNATE_DESIGNATOR_CODE
		2	ORGANIZATION_ID

## BOM\_BILL\_OF\_MATERIALS

BOM\_BILL\_OF\_MATERIALS stores information about manufacturing and engineering bills of material. Each row in this table represents a unique manufacturing or engineering bill and is identified by BILL\_SEQUENCE\_ID.

Oracle Bills of Material stores planning bills, model/option structures and standard bills in this table. The item's BOM\_ITEM\_TYPE attribute dictates the type of bill of material defined in this table. There is no identifier in this table that differentiates planning, model, option class, standard bills or product families.

If a bill shares its structure with another bill in the same or a different organization, COMMON\_BILL\_SEQUENCE\_ID refers to that common bill. This is a mandatory column that equals BILL\_SEQUENCE\_ID if there is no common bill reference.

If an engineering change order creates a new bill of material for an item, PENDING\_FROM\_ECN stores the ECO number that originates this new bill.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_ALTERNATE_DESIGNATORS	ALTERNATE_DESIGNATOR_CODE ORGANIZATION_ID	ALTERNATE_BOM_DESIGNATOR ORGANIZATION_ID
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	COMMON_BILL_SEQUENCE_ID
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	PENDING_FROM_ECN ORGANIZATION_ID
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	ASSEMBLY_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID INVENTORY_ITEM_ID	COMMON_ORGANIZATION_ID COMMON_ASSEMBLY_ITEM_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ASSEMBLY_TYPE	ECG_BOM_COMP_SEL 1 2	MFG_LOOKUPS Manufacturing Engineering

### Column Descriptions

Name	Null?	Type	Description
ASSEMBLY_ITEM_ID	NOT NULL	NUMBER	Inventory item identifier of manufactured assembly
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Alternate designator code
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
COMMON_ASSEMBLY_ITEM_ID	NULL	NUMBER	Assembly item identifier of common bill
SPECIFIC_ASSEMBLY_COMMENT	NULL	VARCHAR2(240)	Specific bill of material comment
PENDING_FROM_ECN	NULL	VARCHAR2(10)	Change notice that created this bill of material
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
ASSEMBLY_TYPE	NOT NULL	NUMBER	Assembly type: 1=Manufacturing bill 2=Engineering bill
COMMON_BILL_SEQUENCE_ID	NOT NULL	NUMBER	Identifier of common bill
BILL_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Bill of material unique identifier
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
COMMON_ORGANIZATION_ID	NULL	NUMBER	Organization identifier of common bill
NEXT_EXPLODE_DATE	NULL	DATE	Next date when pre-explosion will be refreshed
PROJECT_ID	NULL	NUMBER	Project Identifier for Project Manufacturing
TASK_ID	NULL	NUMBER	Task identifier for Project Manufacturing
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_BILL_OF_MATERIALS_N1	NOT UNIQUE	1	COMMON_BILL_SEQUENCE_ID
BOM_BILL_OF_MATERIALS_U1	UNIQUE	1	ASSEMBLY_ITEM_ID
		2	ORGANIZATION_ID
		3	ALTERNATE_BOM_DESIGNATOR
BOM_BILL_OF_MATERIALS_U2	UNIQUE	2	BILL_SEQUENCE_ID

Sequences

Sequence	Derived Column
BOM_INVENTORY_COMPONENTS_S	BILL_SEQUENCE_ID

### *Database Triggers*

Trigger Name : BOMTBOMX  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : INSERT, UPDATE, DELETE

This trigger updates the REXPLODE\_FLAG in the BOM\_EXPLOSIONS table for the INSERT, UPDATE or DELETE of a row. For a product family this trigger nulls out the PRODUCT\_FAMILY\_ITEM\_ID column in the MTL\_SYSTEM\_ITEMS table for DELETES.

# BOM\_DEPENDENT\_DESC\_ELEMENTS

BOM\_DEPENDENT\_DESC\_ELEMENTS stores information about the descriptive elements assigned to a bill of material. You can only assign descriptive elements to model and option class bills of material. You can choose from those defined in MTL\_DESCRIPTIVE\_ELEMENTS. For model bills of material, you can only choose descriptive elements that are in the model item’s catalog group.

The descriptive elements assigned to a bill of material are used to assign descriptive element values to configuration items that are created for model/option sales orders.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	BILL_SEQUENCE_ID
MTL_DESCRIPTIVE_ELEMENTS	ELEMENT_NAME	ELEMENT_NAME

### Column Descriptions

Name	Null?	Type	Description
BILL_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Bill of material unique identifier
ELEMENT_NAME (PK)	NOT NULL	VARCHAR2(30)	Descriptive element name
LAST_UPDATE_DATE	NOT NULL	DATE	Last update date
LAST_UPDATED_BY	NOT NULL	NUMBER	Last updated by
CREATION_DATE	NOT NULL	DATE	Creation date
CREATED_BY	NOT NULL	NUMBER	Created by
LAST_UPDATE_LOGIN	NULL	NUMBER	Last update login
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
REQUEST_ID	NULL	NUMBER	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
BOM_DEPENDENT_DESC_ELEMENTS_U1	UNIQUE	1	BILL_SEQUENCE_ID
		2	ELEMENT_NAME

# BOM\_INVENTORY\_COMPONENTS

BOM\_INVENTORY\_COMPONENTS stores information about bills of material components. This table only stores single-level components. COMPONENT\_SEQUENCE\_ID uniquely identifies each row. There is one row per component on an operation within a given date range.

This table is the main child table of BOM\_BILL\_OF\_MATERIALS and references the parent using BILL\_SEQUENCE\_ID. It uses EFFECTIVITY\_DATE and DISABLE\_DATE to time phase components into a bill of material. The Bill of Material window enforces that only one row for a component in an operation is effective at a given time.

REVISED\_ITEM\_SEQUENCE\_ID points to the revised item on an ECO that affects a particular component row. If IMPLEMENTATION\_DATE is null, the component is pending on an engineering change that has not yet been implemented. IMPLEMENTATION\_DATE is either NULL (pending on ECO) or equals EFFECTIVITY\_DATE (implemented). OLD\_COMPONENT\_SEQUENCE\_ID points to the original component row affected by this component row through an engineering change.

This table also contains certain columns relating to shipping, billing and accounting for revenue on a customer order through Oracle Order Management. CHECK\_ATP determines if an ATP check is required for this item when placing an order and overrides the Item level ATP flag. LOW\_QUANTITY and HIGH\_QUANTITY define minimum and maximum quantities of this component item that can be placed on an order if the customer chooses to override COMPONENT\_QUANTITY. OPTIONAL decides if a component is a required option class you have to choose from (for Option Class items) or a required item (for Standard items) when taking an order. For Option Class items, MUTUALLY\_EXCLUSIVE\_OPTIONS decides if one or more of its components can be placed on an order when you pick this option class.

OPERATION\_LEAD\_TIME\_PERCENT is denormalized for performance from BOM\_OPERATION\_SEQUENCES when rolling up cumulative leadtimes.

The ORGANIZATION\_ID for the component can be derived from the BOM\_BILL\_OF\_MATERIALS table using BILL\_SEQUENCE\_ID.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	BILL_SEQUENCE_ID
BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	OLD_COMPONENT_SEQUENCE_ID

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# *Foreign Keys (Continued)*

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM
ENG_REVISED_ITEMS	REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID	SUPPLY_LOCATOR_ID
MTL_ITEM_SUB_INVENTORIES	SECONDARY_INVENTORY	SUPPLY_SUBINVENTORY
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SUPPLY_SUBINVENTORY
MTL_SECONDARY_LOCATORS	SECONDARY_LOCATOR	SUPPLY_LOCATOR_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	COMPONENT_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

# *QuickCodes Columns*

Column	QuickCodes Type	QuickCodes Table
ACD_TYPE	ECG_ACTION	MFG_LOOKUPS
	1	Add
	2	Change
	3	Disable
BOM_ITEM_TYPE	BOM_ITEM_TYPE	MFG_LOOKUPS
	1	Model
	2	Option class
	3	Planning
	4	Standard
	5	Product Family
CHECK_ATP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INCLUDE_IN_COST_ROLLUP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INCLUDE_ON_BILL_DOCS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INCLUDE_ON_SHIP_DOCS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INVENTORY_TYPE	MTL_INVENTORY	MFG_LOOKUPS
	1	Inventory items
	7	Engineering items
MUTUALLY_EXCLUSIVE_OPTIONS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
OPTIONAL	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PICK_COMPONENTS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
QUANTITY_RELATED	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
REQUIRED_FOR_REVENUE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

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*QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
REQUIRED_TO_SHIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SHIPPING_ALLOWED	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SO_BASIS	BOM_SO_BASIS	MFG_LOOKUPS
	1	Option class
	2	None
WIP_SUPPLY_TYPE	WIP_SUPPLY	MFG_LOOKUPS
	1	Push
	2	Assembly Pull
	3	Operation Pull
	4	Bulk
	5	Supplier
	6	Phantom
	7	Based on Bill

*Column Descriptions*

Name	Null?	Type	Description
OPERATION_SEQ_NUM	NOT NULL	NUMBER	Operation sequence number
COMPONENT_ITEM_ID	NOT NULL	NUMBER	Component item identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ITEM_NUM	NULL	NUMBER	Item sequence within bill of material structure
COMPONENT_QUANTITY	NOT NULL	NUMBER	Quantity of component in bill of material
COMPONENT_YIELD_FACTOR	NOT NULL	NUMBER	Factor used to multiply component quantity with to obtain required component quantity
COMPONENT_REMARKS	NULL	VARCHAR2(240)	Component remarks
EFFECTIVITY_DATE	NOT NULL	DATE	Effective date
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
IMPLEMENTATION_DATE	NULL	DATE	Date on which engineering change order was implemented
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
PLANNING_FACTOR	NOT NULL	NUMBER	Factor used to multiply component quantity with to obtain planning quantity
QUANTITY_RELATED	NOT NULL	NUMBER	Identifier to indicate if this component has quantity related reference designators
SO_BASIS	NULL	NUMBER	Quantity basis used by Oracle Order Management to determine how many units of component to put on an order
OPTIONAL	NULL	NUMBER	Flag indicating if component is optional in bill
MUTUALLY_EXCLUSIVE_OPTIONS	NULL	NUMBER	Flag indicating if one or more children of component can be picked when taking an order
INCLUDE_IN_COST_ROLLUP	NOT NULL	NUMBER	Flag indicating if this component is to be used when rolling up costs
CHECK_ATP	NOT NULL	NUMBER	Flag indicating if ATP check is required
SHIPPING_ALLOWED	NULL	NUMBER	Flag indicating if component is allowed to ship
REQUIRED_TO_SHIP	NULL	NUMBER	Flag indicating if component is required to ship
REQUIRED_FOR_REVENUE	NULL	NUMBER	Flag indicating if component is required for revenue
INCLUDE_ON_SHIP_DOCS	NULL	NUMBER	Flag indicating if component is displayed on shipping documents
INCLUDE_ON_BILL_DOCS	NULL	NUMBER	(not currently used)
LOW_QUANTITY	NULL	NUMBER	Minimum quantity allowed on an order
HIGH_QUANTITY	NULL	NUMBER	Maximum quantity allowed on an order
ACD_TYPE	NULL	NUMBER	Add, change, or disable code for component on an engineering change order
OLD_COMPONENT_SEQUENCE_ID	NULL	NUMBER	Identifier of original component row an ECO effects
COMPONENT_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Component unique identifier
BILL_SEQUENCE_ID	NOT NULL	NUMBER	Bill of material unique identifier
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
WIP_SUPPLY_TYPE	NULL	NUMBER	WIP supply type code
PICK_COMPONENTS	NULL	NUMBER	(not currently used)
SUPPLY_SUBINVENTORY	NULL	VARCHAR2(10)	Supply subinventory
SUPPLY_LOCATOR_ID	NULL	NUMBER	Supply locator identifier
OPERATION_LEAD_TIME_PERCENT	NULL	NUMBER	Operation offset from first operation in routing (denormalized from corresponding column in BOM_OPERATION_SEQUENCES)
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Engineering change order revised item identifier

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## Column Descriptions (Continued)

Name	Null?	Type	Description
COST_FACTOR	NULL	NUMBER	(not currently used)
BOM_ITEM_TYPE	NOT NULL	NUMBER	Type of item (denormalized from BOM Item Type in MTL_SYSTEM_ITEMS)
FROM_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	From End Item Unit Number
TO_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	To End Item Unit Number
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from
ECO_FOR_PRODUCTION	NULL	NUMBER	Indicates if this component on an Engineering Change Order is only for WIP jobs

## Indexes

Index Name	Index Type	Sequence	Column Name
BOM_INVENTORY_COMPONENTS_N1	NOT UNIQUE	1	COMPONENT_ITEM_ID
		2	BILL_SEQUENCE_ID
		4	EFFECTIVITY_DATE
BOM_INVENTORY_COMPONENTS_N2	NOT UNIQUE	1	BILL_SEQUENCE_ID
BOM_INVENTORY_COMPONENTS_N3	NOT UNIQUE	1	REVISED_ITEM_SEQUENCE_ID
BOM_INVENTORY_COMPONENTS_N4	NOT UNIQUE	1	OLD_COMPONENT_SEQUENCE_ID
BOM_INVENTORY_COMPONENTS_N5	NOT UNIQUE	5	CHANGE_NOTICE
BOM_INVENTORY_COMPONENTS_N6	NOT UNIQUE	2	BILL_SEQUENCE_ID
		4	FROM_END_ITEM_UNIT_NUMBER
		6	COMPONENT_ITEM_ID
BOM_INVENTORY_COMPONENTS_U1	UNIQUE	2	BILL_SEQUENCE_ID
		7	EFFECTIVITY_DATE
		8	COMPONENT_ITEM_ID
		9	OPERATION_SEQ_NUM
		11	FROM_END_ITEM_UNIT_NUMBER
BOM_INVENTORY_COMPONENTS_U2	UNIQUE	2	COMPONENT_SEQUENCE_ID

## Sequences

Sequence	Derived Column
BOM_INVENTORY_COMPONENTS_S	COMPONENT_SEQUENCE_ID

## Database Triggers

Trigger Name : BOMTBICX  
 Trigger Time : AFTER  
 Trigger Level : ROW  
 Trigger Event : INSERT, UPDATE, DELETE

This trigger marks the preexploded data in BOM\_EXPLOSIONS for re-explosion. It sets the REXPLODE\_FLAG = 1 for the records that reference the bill in which the component record is being changed.

## BOM\_OPERATIONAL\_ROUTINGS

BOM\_OPERATIONAL\_ROUTINGS stores information about manufacturing and engineering routings.

If a routing shares its operation steps with another routing in the same organization, COMMON\_ROUTING\_SEQUENCE\_ID is a reference to that common routing. This is a mandatory column that equals ROUTING\_SEQUENCE\_ID if there is no common reference. If the routing references a common routing, Oracle Bills of Materials populates the INVENTORY\_ITEM\_ID of the common into COMMON\_ASSEMBLY\_ITEM\_ID.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_ALTERNATE_DESIGNATORS	ALTERNATE_DESIGNATOR_CODE ORGANIZATION_ID	ALTERNATE_ROUTING_DESIGNATOR ORGANIZATION_ID
BOM_OPERATIONAL_ROUTINGS	ROUTING_SEQUENCE_ID	COMMON_ROUTING_SEQUENCE_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	COMPLETION_LOCATOR_ID ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	ORGANIZATION_ID SECONDARY_INVENTORY_NAME	ORGANIZATION_ID COMPLETION_SUBINVENTORY
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID INVENTORY_ITEM_ID	ORGANIZATION_ID ASSEMBLY_ITEM_ID
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID INVENTORY_ITEM_ID	ORGANIZATION_ID COMMON_ASSEMBLY_ITEM_ID
WIP_LINES	LINE_ID	LINE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CTP_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
MIXED_MODEL_MAP_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
ROUTING_TYPE	BOM_NO_YES	MFG_LOOKUPS
	1	No
	2	Yes

### Column Descriptions

Name	Null?	Type	Description
ROUTING_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Routing unique identifier
ASSEMBLY_ITEM_ID	NOT NULL	NUMBER	Inventory item identifier of manufactured assembly
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Alternate designator code
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ROUTING_TYPE	NOT NULL	NUMBER	Routing type: 2=Engineering routing 1=Manufacturing routing
COMMON_ASSEMBLY_ITEM_ID	NULL	NUMBER	Inventory item identifier of common assembly
COMMON_ROUTING_SEQUENCE_ID	NOT NULL	NUMBER	Routing identifier of common routing
ROUTING_COMMENT	NULL	VARCHAR2(240)	Specific comment about routing
COMPLETION_SUBINVENTORY	NULL	VARCHAR2(10)	Destination subinventory for assembly
COMPLETION_LOCATOR_ID	NULL	NUMBER	Destination location for assembly
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
LINE_ID	NULL	NUMBER	Unique identifier from WIP Lines used in Flow Manufacturing
CFM_ROUTING_FLAG	NULL	NUMBER	Continuous flow or traditional routing
MIXED_MODEL_MAP_FLAG	NULL	NUMBER	Use this routing in Mixed Model Map calculation
PRIORITY	NULL	NUMBER	For information only
TOTAL_PRODUCT_CYCLE_TIME	NULL	NUMBER	Total time that an assembly takes along the primary path in the operation network, calculated by Flow Manufacturing
CTP_FLAG	NULL	NUMBER	Flag indicating capacity must be checked when item is ordered
PROJECT_ID	NULL	NUMBER	Project identifier for Project Manufacturing
TASK_ID	NULL	NUMBER	Task identifier for Project Manufacturing
PENDING_FROM_ECN	NULL	VARCHAR2(10)	Pending From Ecn
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original System Reference

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### Indexes

Index Name	Index Type	Sequence	Column Name
BOM_OPERATIONAL_ROUTINGS_N1	NOT UNIQUE	1	COMMON_ROUTING_SEQUENCE_ID
BOM_OPERATIONAL_ROUTINGS_N2	NOT UNIQUE	1	LINE_ID
		2	ORGANIZATION_ID
		3	CTP_FLAG
BOM_OPERATIONAL_ROUTINGS_U1	UNIQUE	1	ROUTING_SEQUENCE_ID
BOM_OPERATIONAL_ROUTINGS_U2	UNIQUE	1	ASSEMBLY_ITEM_ID
		2	ORGANIZATION_ID
		3	ALTERNATE_ROUTING_DESIGNATOR

### Sequences

Sequence	Derived Column
BOM_OPERATIONAL_ROUTINGS_S	ROUTING_SEQUENCE_ID

# BOM\_OPERATION\_SEQUENCES

BOM\_OPERATION\_SEQUENCES stores information about routing operations. You may define multiple operations for a routing. You must specify the department in which every operation will occur.

Oracle Bills of Material stores the STANDARD\_OPERATION\_ID if you use a standard operation to define your operation.

You cannot have overlapping effective dates for the same operation. The Define Routing window will prevent you from doing that. For example, you cannot define operations as follows:

Op Seq	Effective Date	Disable Date
---	-----	-----
10	10-SEP-93	10-DEC-93
10	20-OCT-93	

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_OPERATIONAL_ROUTINGS	ROUTING_SEQUENCE_ID	ROUTING_SEQUENCE_ID
BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	PROCESS_OP_SEQ_ID
BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	LINE_OP_SEQ_ID
BOM_STANDARD_OPERATIONS	STANDARD_OPERATION_ID	STANDARD_OPERATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BACKFLUSH_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
COUNT_POINT_TYPE	BOM_COUNT_POINT_TYPE	MFG_LOOKUPS
	1	Yes - autocharge
	2	No - autocharge
	3	No - direct charge
OPTION_DEPENDENT_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
REFERENCE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

### Column Descriptions

Name	Null?	Type	Description
OPERATION_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Routing operation unique identifier
ROUTING_SEQUENCE_ID	NOT NULL	NUMBER	Routing unique identifier

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Column Descriptions (Continued)

Name	Null?	Type	Description
OPERATION_SEQ_NUM	NOT NULL	NUMBER	Operation sequence number
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
STANDARD_OPERATION_ID	NULL	NUMBER	Standard operation unique identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department unique identifier
OPERATION_LEAD_TIME_PERCENT	NULL	NUMBER	Indicates the amount of overlap its lead time has with the parent's lead time
MINIMUM_TRANSFER_QUANTITY	NULL	NUMBER	Minimum operation transfer quantity
COUNT_POINT_TYPE	NOT NULL	NUMBER	Count point
OPERATION_DESCRIPTION	NULL	VARCHAR2(240)	Description of operation
EFFECTIVITY_DATE	NOT NULL	DATE	Date operation is effective
DISABLE_DATE	NULL	DATE	Date operation is no longer effective - effectivity lasts until the end of the disable date
BACKFLUSH_FLAG	NOT NULL	NUMBER	Indicates whether operation requires backflushing
OPTION_DEPENDENT_FLAG	NOT NULL	NUMBER	Indicates whether to use this operation in all configuration routings, even if no components of the configuration are used in this operation
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
OPERATION_TYPE	NULL	NUMBER	Process, Line Operation or Event
REFERENCE_FLAG	NULL	NUMBER	If the Standard Operation is referenced or copied then the operation can not be updated.
PROCESS_OP_SEQ_ID	NULL	NUMBER	Operation sequence identifier of parent process (applies only to events)

Column Descriptions (Continued)

Name	Null?	Type	Description
LINE_OP_SEQ_ID	NULL	NUMBER	Operation sequence identifier of the parent line operation - only applies to events
YIELD	NULL	NUMBER	Process yield at this operation
CUMULATIVE_YIELD	NULL	NUMBER	Cumulative process yield from begining of routing to this operation
REVERSE_CUMULATIVE_YIELD	NULL	NUMBER	Cumulative process yield from end of routing to comparable operation
LABOR_TIME_CALC	NULL	NUMBER	System calculated run time attributable to labor
MACHINE_TIME_CALC	NULL	NUMBER	System calculated run time attributable to machines
TOTAL_TIME_CALC	NULL	NUMBER	System calculated run time attributable to both labor and machines
LABOR_TIME_USER	NULL	NUMBER	User calculated run time attributable to labor
MACHINE_TIME_USER	NULL	NUMBER	User calculated run time attributable to machines
TOTAL_TIME_USER	NULL	NUMBER	User calculated run time attributable to both labor and machines
NET_PLANNING_PERCENT	NULL	NUMBER	Cumulative planning percents derived from the operation network
X_COORDINATE	NULL	NUMBER	X coordinate of the operation
Y_COORDINATE	NULL	NUMBER	Y coordinate of the operation
INCLUDE_IN_ROLLUP	NULL	NUMBER	Indicates whether operation yield is to be considered in cost rollup
OPERATION_YIELD_ENABLED	NULL	NUMBER	Indicates whether operation yield is to be considered during costing.
OLD_OPERATION_SEQUENCE_ID	NULL	NUMBER	Old Operation Sequence Id
ACD_TYPE	NULL	NUMBER	Acd Type
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Revised Item Sequence Id
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original System Reference
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change notice code (not currently used)
IMPLEMENTATION_DATE	NULL	DATE	Date on which engineering change will be implemented (no longer used)
ECO_FOR_PRODUCTION	NULL	NUMBER	Indicates if this operation on an Engineering Change Order is only for WIP jobs

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_OPERATION_SEQUENCES_U1	UNIQUE	1	OPERATION_SEQUENCE_ID
BOM_OPERATION_SEQUENCES_U2	UNIQUE	1	ROUTING_SEQUENCE_ID
		3	OPERATION_TYPE
		4	OPERATION_SEQ_NUM
		5	EFFECTIVITY_DATE

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Sequences

Sequence	Derived Column
BOM_OPERATION_SEQUENCES_S	OPERATION_SEQUENCE_ID

## BOM\_PARAMETERS

BOM\_PARAMETERS stores organization specific information used by Oracle Bills of Material. You can use Oracle Bills of Material only if you have a row existing in this table.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_ITEM_STATUS	INVENTORY_ITEM_STATUS_CODE	BOM_DELETE_STATUS_CODE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CONFIG_NUMBER_METHOD_TYPE	BOM_CFG_NUMBER_METHOD	MFG_LOOKUPS
	1	Append sequence number
	2	Replace with sequence number
	3	Replace with order number/ line number

### Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
MAXIMUM_BOM_LEVEL	NOT NULL	NUMBER	Maximum bill of material levels allowed
CONFIG_SEGMENT_NAME	NULL	VARCHAR2(30)	Item segment to use when creating configuration item numbers
BOM_DELETE_STATUS_CODE	NULL	VARCHAR2(10)	Status code to indicate an item is ready for deletion
CONFIG_NUMBER_METHOD_TYPE	NULL	NUMBER	The method that is used to create configuration item numbers
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield segment
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield segment
USE_PHANTOM_ROUTINGS	NOT NULL	NUMBER(1)	
INHERIT_PHANTOM_OP_SEQ	NOT NULL	NUMBER(1)	

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_PARAMETERS_U1	UNIQUE	1	ORGANIZATION_ID

## BOM\_REFERENCE\_DESIGNATORS

BOM\_REFERENCE\_DESIGNATORS stores information about bill of material component reference designators. It is a child table of BOM\_INVENTORY\_COMPONENTS, and stores reference designators for current components as well as components that are pending on ECOs. Even though the column COMPONENT\_REFERENCE\_DESIGNATOR has the database length of 15 characters, Oracle Bills of Material and Oracle Engineering only allow you to enter reference designators with a maximum length of 10 characters.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	COMPONENT_SEQUENCE_ID
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	CHANGE_NOTICE ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACD_TYPE	ECG_ACTION	MFG_LOOKUPS
	1	Add
	2	Change
	3	Disable

### Column Descriptions

Name		Null?	Type	Description
COMPONENT_REFERENCE_DESIGNATOR	(PK)	NOT NULL	VARCHAR2(15)	Component reference designator
LAST_UPDATE_DATE		NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY		NOT NULL	NUMBER	Standard Who column
CREATION_DATE		NOT NULL	DATE	Standard Who column
CREATED_BY		NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NULL	NUMBER	Standard Who column
REF_DESIGNATOR_COMMENT		NULL	VARCHAR2(240)	Reference designator comment
CHANGE_NOTICE		NULL	VARCHAR2(10)	Engineering change order number
COMPONENT_SEQUENCE_ID	(PK)	NOT NULL	NUMBER	Component unique identifier
ACD_TYPE	(PK)	NULL	NUMBER	Add or delete code from an engineering change order
REQUEST_ID		NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID		NULL	NUMBER	Concurrent Who column
PROGRAM_ID		NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		NULL	DATE	Concurrent Who column
ATTRIBUTE_CATEGORY		NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7		NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8		NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_REFERENCE_DESIGNATORS_N1	NOT UNIQUE	1	COMPONENT_SEQUENCE_ID
BOM_REFERENCE_DESIGNATORS_U1	UNIQUE	1	COMPONENT_SEQUENCE_ID
		2	COMPONENT_REFERENCE_DESIGNATOR
		3	ACD_TYPE

## BOM\_STANDARD\_OPERATIONS

BOM\_STANDARD\_OPERATIONS stores information about the standard operations, events, processes, and line operations that you define. Events/processes/line operations are for Flow Manufacturing.

You can use these standard operations/events/processes/line operations when you define routing steps to build your assembly. The Define Routing window defaults all data for the standard operation/events/processes/line operation into the routing step.

BOM\_OPERATION\_SEQUENCES and BOM\_STANDARD\_OPERATIONS share the descriptive flex definition. Therefore, the Define Routing window will also copy the descriptive flex information into the routing step.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
WIP_LINES	LINE_ID	LINE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BACKFLUSH_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
COUNT_POINT_TYPE	2	No
	BOM_COUNT_POINT_TYPE	MFG_LOOKUPS
	1	Yes - autocharge
OPTION_DEPENDENT_FLAG	2	No - autocharge
	3	No - direct charge
	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

### Column Descriptions

Name	Null?	Type	Description
SEQUENCE_NUM	NULL	NUMBER	Operation sequence number, showing the sequences of processes and line operations
LINE_ID (PK)	NULL	NUMBER	WIP line identifier
OPERATION_TYPE (PK)	NULL	NUMBER	Operation Type: 1. Standard Operation/Event 2. Process 3. Line Operation
STANDARD_OPERATION_ID (PK)	NOT NULL	NUMBER	Standard operation unique identifier
OPERATION_CODE	NOT NULL	VARCHAR2(4)	Standard operation code
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department unique identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column

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## Column Descriptions (Continued)

Name	Null?	Type	Description
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
MINIMUM_TRANSFER_QUANTITY	NULL	NUMBER	Minimum operation transfer quantity
COUNT_POINT_TYPE	NULL	NUMBER	Count point
OPERATION_DESCRIPTION	NULL	VARCHAR2(240)	Specific operation description
OPTION_DEPENDENT_FLAG	NULL	NUMBER	Indicates whether to use this operation in all configuration routings, even if no components of the configuration are used in this operation
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
BACKFLUSH_FLAG	NULL	NUMBER	Backflush at this operation
WMS_TASK_TYPE	NULL	NUMBER	WMS Task Type
OPERATION_YIELD_ENABLED	NULL	NUMBER	Indicates whether operation yield is to be considered during costing
YIELD	NULL	NUMBER	Operation yield for an operation

## Indexes

Index Name	Index Type	Sequence	Column Name
BOM_STANDARD_OPERATIONS_N1	NOT UNIQUE	1	ORGANIZATION_ID
BOM_STANDARD_OPERATIONS_U1	UNIQUE	1	OPERATION_CODE
		2	ORGANIZATION_ID
		3	OPERATION_TYPE
		4	LINE_ID
BOM_STANDARD_OPERATIONS_U2	UNIQUE	1	STANDARD_OPERATION_ID

## Sequences

Sequence	Derived Column
BOM_STANDARD_OPERATIONS_S	STANDARD_OPERATION_ID

## Database Triggers

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Trigger Name : BOM\_STANDARD\_OPERATIONS\_T  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : UPDATE

When you update a standard operation that is referenced by routing operations, this trigger updates all the corresponding rows that reference routing operations in the BOM\_OPERATION\_SEQUENCES table.



## BOM\_SUBSTITUTE\_COMPONENTS

BOM\_SUBSTITUTE\_COMPONENTS stores information about the substitute components associated with a bill of material component. It is a child table of BOM\_INVENTORY\_COMPONENTS, and stores substitute components of current components as well as components that are pending on ECOs. Substitute components appear on MRP reports.

The column SUBSTITUTE\_ITEM\_QUANTITY stores the quantity of substitute items needed to replace the full component quantity as represented in the COMPONENT\_QUANTITY column of the BOM\_INVENTORY\_COMPONENTS table.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	COMPONENT_SEQUENCE_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	SUBSTITUTE_COMPONENT_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACD_TYPE	ECG_ACTION	MFG_LOOKUPS
	1	Add
	2	Change
	3	Disable

### Column Descriptions

Name	Null?	Type	Description
SUBSTITUTE_COMPONENT_ID (PK)	NOT NULL	NUMBER	Substitute component inventory item
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
SUBSTITUTE_ITEM_QUANTITY	NOT NULL	NUMBER	Substitute component quantity
COMPONENT_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Component unique identifier
ACD_TYPE (PK)	NULL	NUMBER	Type to indicate add or delete on an engineering change order
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment

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# Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from

## Indexes

Index Name	Index Type	Sequence	Column Name
BOM_SUBSTITUTE_COMPONENTS_N1	NOT UNIQUE	1	SUBSTITUTE_COMPONENT_ID
BOM_SUBSTITUTE_COMPONENTS_N2	NOT UNIQUE	1	COMPONENT_SEQUENCE_ID
BOM_SUBSTITUTE_COMPONENTS_U1	UNIQUE	3	COMPONENT_SEQUENCE_ID
		4	SUBSTITUTE_COMPONENT_ID
		5	ACD_TYPE

## CST\_ELEMENTAL\_COSTS

CST\_ELEMENTAL\_COSTS stores the elemental item cost history for every cost update. One record is inserted for each cost element for each item. You can view this information in the Standard Cost History window.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_COST_ELEMENTS	COST_ELEMENT_ID	COST_ELEMENT_ID
CST_COST_UPDATES	COST_UPDATE_ID	COST_UPDATE_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID

### Column Descriptions

Name	Null?	Type	Description
COST_UPDATE_ID (PK)	NOT NULL	NUMBER	Cost update session identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
COST_ELEMENT_ID (PK)	NOT NULL	NUMBER	Cost element identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
STANDARD_COST	NULL	NUMBER	Elemental cost for the cost element after cost update
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
CST_ELEMENTAL_COSTS_N1	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	ORGANIZATION_ID
CST_ELEMENTAL_COSTS_U1	UNIQUE	1	COST_UPDATE_ID
		2	ORGANIZATION_ID
		3	INVENTORY_ITEM_ID
		4	COST_ELEMENT_ID

## CST\_ITEM\_COSTS

CST\_ITEM\_COSTS stores item cost control information by cost type.

For standard costing organizations, the item cost control information for the Frozen cost type is created when you enter a new item. For average cost organizations, item cost control information is created when you transact the item for the first time.

You can use the Item Costs window to enter cost control information.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_COST_TYPES	COST_TYPE_ID	COST_TYPE_ID
CST_COST_UPDATES	COST_UPDATE_ID	COST_UPDATE_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BASED_ON_ROLLUP_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
DEFAULTED_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INVENTORY_ASSET_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
COST_TYPE_ID (PK)	NOT NULL	NUMBER	Cost type identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
INVENTORY_ASSET_FLAG	NOT NULL	NUMBER	Flag indicating whether the item is asset or expense
LOT_SIZE	NULL	NUMBER	Lot Size
BASED_ON_ROLLUP_FLAG	NULL	NUMBER	Flag indicating whether cost is to be rolled up
SHRINKAGE_RATE	NULL	NUMBER	Manufacturing shrinkage rate (for make item only)
DEFAULTED_FLAG	NOT NULL	NUMBER	Flag indicating whether the cost of the item is defaulted from the default cost type during cost rollout
COST_UPDATE_ID	NULL	NUMBER	Cost update session identifier
PL_MATERIAL	NULL	NUMBER	Previous level material cost

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Column Descriptions (Continued)

Name	Null?	Type	Description
PL_MATERIAL_OVERHEAD	NULL	NUMBER	Previous level material overhead cost
PL_RESOURCE	NULL	NUMBER	Previous level resource cost
PL_OUTSIDE_PROCESSING	NULL	NUMBER	Previous level outside processing cost
PL_OVERHEAD	NULL	NUMBER	Previous level overhead cost
TL_MATERIAL	NULL	NUMBER	This level material cost
TL_MATERIAL_OVERHEAD	NULL	NUMBER	This level material overhead cost
TL_RESOURCE	NULL	NUMBER	This level resource cost
TL_OUTSIDE_PROCESSING	NULL	NUMBER	This level outside processing cost
TL_OVERHEAD	NULL	NUMBER	This level overhead cost
MATERIAL_COST	NULL	NUMBER	Material cost
MATERIAL_OVERHEAD_COST	NULL	NUMBER	Material overhead cost
RESOURCE_COST	NULL	NUMBER	Resource cost
OUTSIDE_PROCESSING_COST	NULL	NUMBER	Outside Processing cost
OVERHEAD_COST	NULL	NUMBER	Overhead cost
PL_ITEM_COST	NULL	NUMBER	Total previous level cost
TL_ITEM_COST	NULL	NUMBER	Total this level cost
ITEM_COST	NULL	NUMBER	Item unit cost
UNBURDENED_COST	NULL	NUMBER	Item unit cost minus this level material overhead
BURDEN_COST	NULL	NUMBER	This level material overhead
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
ROLLUP_ID	NULL	NUMBER(15)	Supply Chain Rollup identifier
ASSIGNMENT_SET_ID	NULL	NUMBER(15)	MRP assignment set identifier used in Supply Chain Rollup

Indexes

Index Name	Index Type	Sequence	Column Name
CST_ITEM_COSTS_N2	NOT UNIQUE	1	ORGANIZATION_ID
		2	COST_TYPE_ID
CST_ITEM_COSTS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	COST_TYPE_ID
		3	ORGANIZATION_ID

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## CST\_ITEM\_COST\_DETAILS

CST\_ITEM\_COST\_DETAILS stores detailed cost information for an item for a cost type. It is the child table of CST\_ITEM\_COSTS.

There are three types of detailed item cost: User-defined, Defaulted, and Rolled up. User-defined costs can be entered in the Item Costs window. Defaulted and Rolled up costs are generated by Cost Rollup.

If the item does not have cost control information for the cost type you are rolling up, Cost Rollup copies this level detailed cost information from the default cost type and marks the rows as Defaulted. Previous level costs are rolled up costs.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	OPERATION_SEQUENCE_ID
BOM_RESOURCES	RESOURCE_ID	RESOURCE_ID
BOM_RESOURCES	RESOURCE_ID	BASIS_RESOURCE_ID
CST_ACTIVITIES	ACTIVITY_ID	ACTIVITY_ID
CST_COST_ELEMENTS	COST_ELEMENT_ID	COST_ELEMENT_ID
CST_COST_TYPES	COST_TYPE_ID	COST_TYPE_ID
CST_ITEM_COSTS	COST_TYPE_ID	COST_TYPE_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BASIS_TYPE	CST_BASIS	MFG_LOOKUPS
	1	Item
	2	Lot
	3	Resource Units
	4	Resource Value
	5	Total Value
LEVEL_TYPE	6	Activity
	CST_LEVEL	MFG_LOOKUPS
	1	This
ROLLUP_SOURCE_TYPE	2	Previous
	CST_SOURCE_TYPE	MFG_LOOKUPS
	1	User defined
	2	Default
	3	Rolled up

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
COST_TYPE_ID (PK)	NOT NULL	NUMBER	Cost type identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
OPERATION_SEQUENCE_ID	NULL	NUMBER	Operation sequence identifier
OPERATION_SEQ_NUM	NULL	NUMBER	Operation sequence number in a routing
DEPARTMENT_ID	NULL	NUMBER	Department identifier
LEVEL_TYPE	NOT NULL	NUMBER	Level at which cost is incurred
ACTIVITY_ID	NULL	NUMBER	Activity identifier
RESOURCE_SEQ_NUM	NULL	NUMBER	Resource sequence number in an operation
RESOURCE_ID	NULL	NUMBER	Resource identifier (sub-element)
RESOURCE_RATE	NULL	NUMBER	Resource unit cost
ITEM_UNITS	NULL	NUMBER	Number of item units the activity cost is applied to
ACTIVITY_UNITS	NULL	NUMBER	Number of activity units applied to the item cost
USAGE_RATE_OR_AMOUNT	NOT NULL	NUMBER	Number of resource units, overhead rate, or activity unit cost per basis
BASIS_TYPE	NOT NULL	NUMBER	Basis
BASIS_RESOURCE_ID	NULL	NUMBER	Resource identifier that the resource overhead is based on
BASIS_FACTOR	NOT NULL	NUMBER	Basis factor
NET_YIELD_OR_SHRINKAGE_FACTOR	NOT NULL	NUMBER	Item shrinkage factor computed from the item shrinkage
ITEM_COST	NOT NULL	NUMBER	Item unit cost
COST_ELEMENT_ID	NULL	NUMBER	Cost element identifier
ROLLUP_SOURCE_TYPE	NOT NULL	NUMBER	Cost source
ACTIVITY_CONTEXT	NULL	VARCHAR2(30)	Structure defining column for the Activity Unit Information
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
YIELDED_COST	NULL	NUMBER	The yield cost as computed by the rollup process for WSM enabled organizations

*Column Descriptions (Continued)*

Name	Null?	Type	Description
SOURCE_ORGANIZATION_ID	NULL	NUMBER(15)	Source organization identifier
VENDOR_ID	NULL	NUMBER(15)	Vendor identifier
ALLOCATION_PERCENT	NULL	NUMBER	Allocation percentage
VENDOR_SITE_ID	NULL	NUMBER(15)	Vendor site identifier
SHIP_METHOD	NULL	VARCHAR2(30)	Shipping method

*Indexes*

Index Name	Index Type	Sequence	Column Name
CST_ITEM_COST_DETAILS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	COST_TYPE_ID
		3	INVENTORY_ITEM_ID
		4	COST_ELEMENT_ID



## CST\_STANDARD\_COSTS

CST\_STANDARD\_COSTS stores item cost and standard cost adjustment history for every item for every cost update. Records are inserted during the final phase of the Standard Cost Update process for every item being updated or when the item costs are initially defined. The adjustment columns for WIP may not include adjustments for resource or overhead rates. They include standard cost adjustments for the items issued and completed from WIP.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_COST_UPDATES	COST_UPDATE_ID	COST_UPDATE_ID
CST_COST_UPDATES	COST_UPDATE_ID	LAST_COST_UPDATE_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID

### Column Descriptions

Name	Null?	Type	Description
COST_UPDATE_ID (PK)	NOT NULL	NUMBER	Cost update session identifier
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
STANDARD_COST_REVISION_DATE	NOT NULL	DATE	The date and time that cost update is run
STANDARD_COST	NOT NULL	NUMBER	Standard cost for the item after cost update
INVENTORY_ADJUSTMENT_QUANTITY	NULL	NUMBER	Total adjustment quantity for the item
INVENTORY_ADJUSTMENT_VALUE	NULL	NUMBER	Total adjustment value for the item
INTRANSIT_ADJUSTMENT_QUANTITY	NULL	NUMBER	Total intransit adjustment quantity for the item
INTRANSIT_ADJUSTMENT_VALUE	NULL	NUMBER	Total intransit adjustment value for the item
WIP_ADJUSTMENT_QUANTITY	NULL	NUMBER	Total adjustment quantity for the item in WIP
WIP_ADJUSTMENT_VALUE	NULL	NUMBER	Total adjustment value for the item in WIP
LAST_COST_UPDATE_ID	NULL	NUMBER	Not currently used
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
CST_STANDARD_COSTS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		3	STANDARD_COST_REVISION_DATE

Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
CST_STANDARD_COSTS_N2	NOT UNIQUE	1	COST_UPDATE_ID
		2	INVENTORY_ITEM_ID
		3	ORGANIZATION_ID

## ENG\_AUTO\_NUMBER\_ECN

ENG\_AUTO\_NUMBER\_ECN stores prefixes used for autonumbering engineering change orders. This table stores the prefix, the next available number, and possibly an organization id and a user id. Prefixes can be defined at 4 levels:

- A specific user, for a specific organization (both USER\_ID and ORGANIZATION\_ID are filled in)
- A specific user, across all organizations (USER\_ID is filled in, ORGANIZATION\_ID is null)
- A specific organization, across all users (USER\_ID is null, ORGANIZATION\_ID filled in)
- Across all users and all organizations (USER\_ID is null, ORGANIZATION\_ID is null)

When defining an engineering change order, the user can choose to use the autonumber functionality to fill in the ECO number. The appropriate prefix concatenated with the next available number becomes the ECO number.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_USER	USER_ID	USER_ID

### Column Descriptions

Name	Null?	Type	Description
USER_ID (PK)	NULL	VARCHAR2(22)	User identifier
ORGANIZATION_ID (PK)	NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ALPHA_PREFIX	NULL	VARCHAR2(9)	Autonumbering prefix
NEXT_AVAILABLE_NUMBER	NULL	NUMBER	Next available number
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_AUTO_NUMBER_ECN_U1	UNIQUE	1	USER_ID
		2	ORGANIZATION_ID

## ENG\_CHANGE\_ORDER\_REVISIONS

ENG\_CHANGE\_ORDER\_REVISIONS stores information about the revisions of an engineering change order. It is a child table of ENG\_ENGINEERING\_CHANGES. Unlike item revisions, each ECO revision can be up to 10 characters in length and may include comments.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	CHANGE_NOTICE ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
REVISION_ID (PK)	NOT NULL	NUMBER	Unique identifier of an engineering change order revision
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
REVISION	NOT NULL	VARCHAR2(10)	ECO revision
LAST_UPDATE_DATE	NOT NULL	DATE	Standard who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard who column
CREATION_DATE	NOT NULL	DATE	Standard who column
CREATED_BY	NOT NULL	NUMBER	Standard who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard who column
COMMENTS	NULL	VARCHAR2(240)	Comments
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
REQUEST_ID	NULL	NUMBER	Concurrent Who column
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from

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Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CHANGE_ORDER_REVISIONS_U1	UNIQUE	1	CHANGE_NOTICE
		2	ORGANIZATION_ID
		3	REVISION
ENG_CHANGE_ORDER_REVISIONS_U2	UNIQUE	1	REVISION_ID

Sequences

Sequence	Derived Column
ENG_CHANGE_ORDER_REVISIONS_S	REVISION_ID

## ENG\_CHANGE\_ORDER\_TYPES

ENG\_CHANGE\_ORDER\_TYPES stores information about engineering change order types. You can use change order types to group ECOs and to allow access to engineering items and engineering bills of material.

### Column Descriptions

Name	Null?	Type	Description
CHANGE_ORDER_TYPE_ID (PK)	NOT NULL	NUMBER	Unique identifier of a change order type
CHANGE_ORDER_TYPE	NOT NULL	VARCHAR2(10)	Change order type name
LAST_UPDATE_DATE	NOT NULL	DATE	Standard who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard who column
CREATION_DATE	NOT NULL	DATE	Standard who column
CREATED_BY	NOT NULL	NUMBER	Standard who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard who column
CHANGE_ORDER_ORGANIZATION_ID	NULL	NUMBER	ECO department identifier (not currently used)
DESCRIPTION	NULL	VARCHAR2(240)	Description
ASSEMBLY_TYPE	NOT NULL	NUMBER	Item access (manufacturing or engineering)
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CHANGE_ORDER_TYPES_U1	UNIQUE	1	CHANGE_ORDER_TYPE_ID
ENG_CHANGE_ORDER_TYPES_U2	UNIQUE	1	CHANGE_ORDER_TYPE

### Sequences

Sequence	Derived Column
ENG_CHANGE_ORDER_TYPES_S	CHANGE_ORDER_TYPE_ID

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ENG\_CHANGE\_ORDER\_TYPES\_VAL\_V

ENG\_CHANGE\_ORDER\_TYPES\_VAL\_V stores information about engineering change order types that are not disabled. You can use change order types to group ECOs and to allow access to engineering items and engineering bills of material.

View Definition

```
CREATE VIEW ENG_CHANGE_ORDER_TYPES_VAL_V
as SELECT
    ECT.CHANGE_ORDER_TYPE
    , ECT.DESCRPTION
    , ECT.CHANGE_ORDER_TYPE_ID
    , ECT.ASSEMBLY_TYPE
    , ECT.CHANGE_ORDER_ORGANIZATION_ID
    , ML.MEANING BILL_TYPE
FROM ENG_CHANGE_ORDER_TYPES ECT
    , MFG_LOOKUPS ML
WHERE ML.LOOKUP_CODE = ECT.ASSEMBLY_TYPE
AND ML.LOOKUP_TYPE = 'ECG_BOM_COMP_SEL'
AND NVL(ECT.DISABLE_DATE, SYSDATE + 1) > SYSDATE
```

QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ASSEMBLY_TYPE	ECG_BOM_COMP_SEL	MFG_LOOKUPS
	1	Manufacturing
	2	Engineering

Column Descriptions

Name	Null?	Type	Description
CHANGE_ORDER_TYPE	NOT NULL	VARCHAR2(10)	Change order type name
DESCRIPTION	NULL	VARCHAR2(240)	Description
CHANGE_ORDER_TYPE_ID	NOT NULL	NUMBER(38)	Unique identifier of a change order type
ASSEMBLY_TYPE	NOT NULL	NUMBER(38)	Item access (manufacturing or engineering)
CHANGE_ORDER_ORGANIZATION_ID	NULL	NUMBER(38)	ECO department identifier (not currently used)
BILL_TYPE	NOT NULL	VARCHAR2(80)	Type of bill - engineering or manufacturing

## ENG\_CHANGE\_PRIORITIES

ENG\_CHANGE\_PRIORITIES stores the engineering change priorities that you use when defining ECOs.

### Column Descriptions

Name	Null?	Type	Description
ENG_CHANGE_PRIORITY_CODE (PK)	NOT NULL	VARCHAR2(10)	ECO priority code
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(50)	Description
PRIORITY_LEVEL	NOT NULL	NUMBER	(Not currently used)
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CHANGE_PRIORITIES_U1	UNIQUE	1	ENG_CHANGE_PRIORITY_CODE
		2	ORGANIZATION_ID

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## ENG\_CHANGE\_REASONS

ENG\_CHANGE\_REASONS stores the engineering change reasons that you use when defining ECOs.

### Column Descriptions

Name	Null?	Type	Description
ENG_CHANGE_REASON_CODE (PK)	NOT NULL	VARCHAR2(10)	ECO reason code
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(50)	Description
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CHANGE_REASONS_U1	UNIQUE	1	ENG_CHANGE_REASON_CODE
		2	ORGANIZATION_ID

## ENG\_CHANGE\_TYPE\_PROCESSES

ENG\_CHANGE\_TYPE\_PROCESSES stores the engineering change type processes that you use to associate with ECOs.

### Column Descriptions

Name	Null?	Type	Description
CHANGE_ORDER_TYPE_ID (PK)	NOT NULL	NUMBER	Change type identifier
ENG_CHANGE_PRIORITY_CODE (PK)	NULL	VARCHAR2(10)	ECO priority code
ORGANIZATION_ID (PK)	NULL	NUMBER	Organization identifier
PROCESS_NAME	NOT NULL	VARCHAR2(30)	Root process for the 'ECO_APP' item type
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CHANGE_TYPE_PROCESSES_U1	UNIQUE	1	CHANGE_ORDER_TYPE_ID
		2	ENG_CHANGE_PRIORITY_CODE
		3	ORGANIZATION_ID

## ENG\_CURRENT\_SCHEDULED\_DATES

ENG\_CURRENT\_SCHEDULED\_DATES stores the effective date history for each revised item on an engineering change order. Every time you change the effective date for a revised item on an ECO, a new row is inserted into this table. The SCHEDULE\_ID column differentiates between records for the same revised item and the ECO.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ENG_REVISIED_ITEMS	REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID

### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
REVISED_ITEM_ID	NOT NULL	NUMBER	Revised item ID
SCHEDULED_DATE	NOT NULL	DATE	Effective date
LAST_UPDATE_DATE	NOT NULL	DATE	Standard who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard who column
CREATION_DATE	NOT NULL	DATE	Standard who column
CREATED_BY	NOT NULL	NUMBER	Standard who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard who column
SCHEDULE_ID (PK)	NOT NULL	NUMBER	Unique identifier
EMPLOYEE_ID	NULL	NUMBER	Employee ID
COMMENTS	NULL	VARCHAR2(240)	Comments
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
REVISED_ITEM_SEQUENCE_ID (PK)	NULL	NUMBER	Unique identifier of a revised item
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_CURRENT_SCHEDULED_DATES_U1	UNIQUE	2	REVISED_ITEM_SEQUENCE_ID
		4	SCHEDULE_ID

### Sequences

Sequence	Derived Column
ENG_CURRENT_SCHEDULED_DATES_S	SCHEDULE_ID

## ENG\_ECN\_APPROVAL\_LISTS

ENG\_ECN\_APPROVAL\_LISTS stores header information about ECO Approval Lists. You can reference an approval list when defining an ECO.

### Column Descriptions

Name	Null?	Type	Description
APPROVAL_LIST_ID (PK)	NOT NULL	NUMBER	Approval list ID
APPROVAL_LIST_NAME	NOT NULL	VARCHAR2(10)	Approval list name
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(240)	Description
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_ECN_APPROVAL_LISTS_U1	UNIQUE	1	APPROVAL_LIST_ID
ENG_ECN_APPROVAL_LISTS_U2	UNIQUE	1	APPROVAL_LIST_NAME

### Sequences

Sequence	Derived Column
ENG_ECN_APPROVAL_LISTS_S	APPROVAL_LIST_ID

## ENG\_ECN\_APPROVERS

ENG\_ECN\_APPROVERS stores information about the employees that belong to a particular ECO Approval List. Each approver must already be an existing employee on the approval list.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ENG_ECN_APPROVAL_LISTS	APPROVAL_LIST_ID	APPROVAL_LIST_ID

### Column Descriptions

Name	Null?	Type	Description
APPROVAL_LIST_ID (PK)	NOT NULL	NUMBER	Approval list identifier
EMPLOYEE_ID (PK)	NOT NULL	NUMBER(9)	Employee identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
SEQUENCE1	NOT NULL	NUMBER	Approval Sequence 1
SEQUENCE2	NULL	NUMBER	Not currently used
DESCRIPTION	NULL	VARCHAR2(240)	Description
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_ECN_APPROVERS_U1	UNIQUE	1	APPROVAL_LIST_ID
		2	EMPLOYEE_ID

## ENG\_ECO\_REVISIONS\_INTERFACE

ENG\_ECO\_REVISIONS\_INTERFACE acts as an open interface table. You can temporarily store revision information about an engineering change order. This table contains user friendly columns which allow you to easily enter your data as well as their corresponding foreign keys. Oracle Engineering will fill in the column you do not enter after performing the proper validation. For example, you enter the ORGANIZATION\_CODE and Oracle Engineering will fill in the corresponding ORGANIZATION\_ID for you.

### Column Descriptions

Name	Null?	Type	Description
REVISION_ID	NULL	NUMBER	Unique identifier of an engineering change order revision
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NULL	NUMBER	Organization identifier
REVISION	NULL	VARCHAR2(10)	ECO revision
LAST_UPDATE_DATE	NULL	DATE	Standard who column
LAST_UPDATED_BY	NULL	NUMBER	Standard who column
CREATION_DATE	NULL	DATE	Standard who column
CREATED_BY	NULL	NUMBER	Standard who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard who column
COMMENTS	NULL	VARCHAR2(240)	Comments
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
REQUEST_ID	NULL	NUMBER	Concurrent Who column
TRANSACTION_ID	NULL	NUMBER	Row identifier
TRANSACTION_TYPE	NULL	VARCHAR2(10)	Type of action : CREATE, UPDATE or DELETE
PROCESS_FLAG	NULL	NUMBER	Row status
ORGANIZATION_CODE	NULL	VARCHAR2(3)	Abbreviation of organization name
NEW_REVISION	NULL	VARCHAR2(10)	Contains new revision value

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*Column Descriptions (Continued)*

<u>Name</u>	<u>Null?</u>	<u>Type</u>	<u>Description</u>
ENG_ECO_REVISIONS_IFCE_KEY	NULL	VARCHAR2(30)	User defined identifier to link rows pertaining to the same business object.
ENG_CHANGES_IFCE_KEY	NULL	VARCHAR2(30)	User identifier to link rows pertaining to the same business object.

*Indexes*

<u>Index Name</u>	<u>Index Type</u>	<u>Sequence</u>	<u>Column Name</u>
ENG_ECO_REVISIONS_INTERFACE_N1	NOT UNIQUE	2	CHANGE_NOTICE
		4	ORGANIZATION_ID
		6	REVISION
		8	ENG_ECO_REVISIONS_IFCE_KEY
ENG_ECO_REVISIONS_INTERFACE_N2	NOT UNIQUE	2	REVISION_ID

*Sequences*

<u>Sequence</u>	<u>Derived Column</u>
ENG_CHANGE_ORDER_REVISIONS_S	REVISION_ID

## ENG\_ECO\_SUBMIT\_REVISIONS

ENG\_ECO\_SUBMIT\_REVISIONS stores a record every time an ECO is launched through the Workflow approval process.

### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE (PK)	NOT NULL	VARCHAR2(10)	ECO identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
PROCESS_NAME	NOT NULL	VARCHAR2(30)	ECO approval process identifier
REVISION_ID (PK)	NOT NULL	NUMBER	Sequence identifier for a particular ECO
SUBMIT_DATE	NOT NULL	DATE	Date ECO was submitted for approval
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who Column
CREATED_BY	NOT NULL	NUMBER	Standard Who Column
LAST_UPDATE_LOGIN	NUL	NUMBER	Standard Who column
REQUEST_ID	NUL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NUL	NUMBER	Concurrent Who column
PROGRAM_ID	NUL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NUL	DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
ENG_ECO_SUBMIT_REVISIONS_U1	UNIQUE	1	CHANGE_NOTICE
		2	ORGANIZATION_ID
		3	REVISION_ID



## ENG\_ENGINEERING\_CHANGES

ENG\_ENGINEERING\_CHANGES stores information about engineering change order headers. Each row includes the unique identifier of the ECO, the description, the change order type, the reason and priority codes, the status, the requestor, the approval list and approval status, the implementation costs, and any cancellation information.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ENG_CHANGE_ORDER_TYPES	CHANGE_ORDER_TYPE_ID	CHANGE_ORDER_TYPE_ID
ENG_CHANGE_PRIORITIES	ENG_CHANGE_PRIORITY_CODE	PRIORITY_CODE
	ORGANIZATION_ID	ORGANIZATION_ID
ENG_CHANGE_REASONS	ENG_CHANGE_REASON_CODE	REASON_CODE
	ORGANIZATION_ID	ORGANIZATION_ID
ENG_ECN_APPROVAL_LISTS	APPROVAL_LIST_ID	APPROVAL_LIST_ID
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	RESPONSIBLE_ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
APPROVAL_STATUS_TYPE	ENG_ECN_APPROVAL_STATUS	MFG_LOOKUPS
	1	Not submitted for approval
	2	Ready to approve
	3	Approval requested
	4	Rejected
	5	Approved
	6	No approval needed
	7	Processing error
ENGINEERING_CHANGE_TYPE	ECG_ECN_CHANGE_TYPE	MFG_LOOKUPS
	1	Bill of material
MRP_ACTIVE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
STATUS_TYPE	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released

### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE (PK)	NOT NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(2000)	Description

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Column Descriptions (Continued)

Name	Null?	Type	Description
STATUS_TYPE	NOT NULL	NUMBER	Engineering change order status
INITIATION_DATE	NOT NULL	DATE	Creation date of the ECO
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the entire ECO
CANCELLATION_DATE	NULL	DATE	Cancellation date of the entire ECO
CANCELLATION_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
PRIORITY_CODE	NULL	VARCHAR2(10)	Priority code
REASON_CODE	NULL	VARCHAR2(10)	Reason code
ESTIMATED_ENG_COST	NULL	NUMBER	Estimated engineering implementation cost
ESTIMATED_MFG_COST	NULL	NUMBER	Estimated manufacturing implementation cost
REQUESTOR_ID	NULL	NUMBER	Identifier of the employee who requested this ECO
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
APPROVAL_STATUS_TYPE	NULL	NUMBER	Approval status type code
APPROVAL_DATE	NULL	DATE	Date the ECO was approved
APPROVAL_LIST_ID	NULL	NUMBER	Identifier of the list of approvers for the ECO
CHANGE_ORDER_TYPE_ID	NOT NULL	NUMBER	Change order type id
RESPONSIBLE_ORGANIZATION_ID	NULL	NUMBER	ECO department identifier
APPROVAL_REQUEST_DATE	NULL	DATE	Date the approval status is changed to 'Approval requested'
DDF_CONTEXT	NULL	VARCHAR2(30)	Developer descriptive flexfield structure defining column
PROJECT_ID	NULL	NUMBER	Project Id for Project Manufacturing
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from
TASK_ID	NULL	NUMBER	Task Id for Project Manufacturing
HIERARCHY_FLAG	NULL	NUMBER	Hierarchy Flag
ORGANIZATION_HIERARCHY	NULL	VARCHAR2(30)	Hierarchy Name

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Indexes

Index Name	Index Type	Sequence	Column Name
ENG_ENGINEERING_CHANGES_U1	UNIQUE	1	ORGANIZATION_ID
		2	CHANGE_NOTICE

## ENG\_ENGINEERING\_CHANGES\_ALL\_V

ENG\_ENGINEERING\_CHANGES\_ALL\_V shows all engineering change orders. No records are filtered out.

### *View Definition*

```
CREATE VIEW ENG_ENGINEERING_CHANGES_ALL_V
as SELECT
    EEC.CHANGE_NOTICE,
    EEC.DESCRPTION,
    EEC.ORGANIZATION_ID,
    EEC.STATUS_TYPE,
    EEC.LAST_UPDATE_DATE,
    EEC.LAST_UPDATED_BY,
    EEC.CREATION_DATE,
    EEC.CREATED_BY,
    EEC.LAST_UPDATE_LOGIN,
    EEC.INITIATION_DATE,
    EEC.IMPLEMENTATION_DATE,
    EEC.CANCELLATION_DATE,
    EEC.CANCELLATION_COMMENTS,
    EEC.PRIORITY_CODE,
    EEC.REASON_CODE,
    EEC.ESTIMATED_ENG_COST,
    EEC.ESTIMATED_MFG_COST,
    EEC.REQUESTOR_ID,
    EEC.ATTRIBUTE_CATEGORY,
    EEC.ATTRIBUTE1,
    EEC.ATTRIBUTE2,
    EEC.ATTRIBUTE3,
    EEC.ATTRIBUTE4,
    EEC.ATTRIBUTE5,
    EEC.ATTRIBUTE6,
    EEC.ATTRIBUTE7,
    EEC.ATTRIBUTE8,
    EEC.ATTRIBUTE9,
    EEC.ATTRIBUTE10,
    EEC.ATTRIBUTE11,
    EEC.ATTRIBUTE12,
    EEC.ATTRIBUTE13,
    EEC.ATTRIBUTE14,
    EEC.ATTRIBUTE15,
    EEC.REQUEST_ID,
    EEC.PROGRAM_APPLICATION_ID,
    EEC.PROGRAM_ID,
    EEC.PROGRAM_UPDATE_DATE,
    EEC.APPROVAL_STATUS_TYPE,
    EEC.APPROVAL_DATE,
    EEC.APPROVAL_LIST_ID,
    EEC.CHANGE_ORDER_TYPE_ID,
    EEC.RESPONSIBLE_ORGANIZATION_ID,
    EEC.APPROVAL_REQUEST_DATE,
    EEC.DDF_CONTEXT,
```

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```
NVL(EEC.HIERARCHY_FLAG,2),
EEC.ORGANIZATION_HIERARCHY
```

```
FROM ENG_ENGINEERING_CHANGES EEC
```

#### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
APPROVAL_STATUS_TYPE	ENG_ECN_APPROVAL_STATUS	MFG_LOOKUPS
	1	Not submitted for approval
	2	Ready to approve
	3	Approval requested
	4	Rejected
	5	Approved
	6	No approval needed
	7	Processing error
STATUS_TYPE	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released

#### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
DESCRIPTION	NULL	VARCHAR2(240)	Description
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
STATUS_TYPE	NOT NULL	NUMBER	Engineering change order status
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
INITIATION_DATE	NOT NULL	DATE	Creation date of the ECO
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the entire ECO
CANCELLATION_DATE	NULL	DATE	Cancellation date of the entire ECO
CANCELLATION_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
PRIORITY_CODE	NULL	VARCHAR2(10)	Priority code
REASON_CODE	NULL	VARCHAR2(10)	Reason code
ESTIMATED_ENG_COST	NULL	NUMBER	Estimated engineering implementation cost
ESTIMATED_MFG_COST	NULL	NUMBER	Estimated manufacturing implementation cost
REQUESTOR_ID	NULL	NUMBER	Identifier of the employee who requested this ECO
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
APPROVAL_STATUS_TYPE	NULL	NUMBER	Approval status type code
APPROVAL_DATE	NULL	DATE	Date the ECO was approved
APPROVAL_LIST_ID	NULL	NUMBER	Identifier of list of approvers for the ECO
CHANGE_ORDER_TYPE_ID	NOT NULL	NUMBER	Change order type id
RESPONSIBLE_ORGANIZATION_ID	NULL	NUMBER	ECO department identifier
APPROVAL_REQUEST_DATE	NULL	DATE	Date the approval status is change to 'Approval requested'
DDF_CONTEXT	NULL	VARCHAR2(30)	Developer descriptive flexfield structure defining column
HIERARCHY_FLAG	NULL	NUMBER	Hierarchy Flag
ORGANIZATION_HIERARCHY	NULL	VARCHAR2(30)	Organization Hierarchy

## ENG\_ENGINEERING\_CHANGES\_VAL\_V

ENG\_ENGINEERING\_CHANGES\_VAL\_V shows all engineering change orders that are not cancelled.

### View Definition

```
CREATE VIEW ENG_ENGINEERING_CHANGES_VAL_V
as SELECT
    EEC.CHANGE_NOTICE,
    EEC.DESRIPTION,
    EEC.ORGANIZATION_ID,
    EEC.STATUS_TYPE,
    EEC.LAST_UPDATE_DATE,
    EEC.LAST_UPDATED_BY,
    EEC.CREATION_DATE,
    EEC.CREATED_BY,
    EEC.LAST_UPDATE_LOGIN,
    EEC.INITIATION_DATE,
    EEC.IMPLEMENTATION_DATE,
    EEC.CANCELLATION_DATE,
    EEC.CANCELLATION_COMMENTS,
    EEC.PRIORITY_CODE,
    EEC.REASON_CODE,
    EEC.ESTIMATED_ENG_COST,
    EEC.ESTIMATED_MFG_COST,
    EEC.REQUESTOR_ID,
    EEC.ATTRIBUTE_CATEGORY,
    EEC.ATTRIBUTE1,
    EEC.ATTRIBUTE2,
    EEC.ATTRIBUTE3,
    EEC.ATTRIBUTE4,
    EEC.ATTRIBUTE5,
    EEC.ATTRIBUTE6,
    EEC.ATTRIBUTE7,
    EEC.ATTRIBUTE8,
    EEC.ATTRIBUTE9,
    EEC.ATTRIBUTE10,
    EEC.ATTRIBUTE11,
    EEC.ATTRIBUTE12,
    EEC.ATTRIBUTE13,
    EEC.ATTRIBUTE14,
    EEC.ATTRIBUTE15,
    EEC.REQUEST_ID,
    EEC.PROGRAM_APPLICATION_ID,
    EEC.PROGRAM_ID,
    EEC.PROGRAM_UPDATE_DATE,
    EEC.APPROVAL_STATUS_TYPE,
    EEC.APPROVAL_DATE,
    EEC.APPROVAL_LIST_ID,
    EEC.CHANGE_ORDER_TYPE_ID,
    EEC.RESPONSIBLE_ORGANIZATION_ID,
    EEC.APPROVAL_REQUEST_DATE,
    EEC.DDF_CONTEXT
```

```

FROM ENG_ENGINEERING_CHANGES EEC
WHERE trunc(nvl(cancellation_date, sysdate + 1)) > trunc(sysdate)

```

#### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
APPROVAL_STATUS_TYPE	ENG_ECN_APPROVAL_STATUS	MFG_LOOKUPS
	1	Not submitted for approval
	2	Ready to approve
	3	Approval requested
	4	Rejected
	5	Approved
	6	No approval needed
STATUS_TYPE	7	Processing error
	ENG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released

#### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
DESCRIPTION	NULL	VARCHAR2(240)	Description
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
STATUS_TYPE	NOT NULL	NUMBER	Engineering change order status
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
INITIATION_DATE	NOT NULL	DATE	Creation date of the ECO
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the entire ECO
CANCELLATION_DATE	NULL	DATE	Cancellation date of the entire ECO
CANCELLATION_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
PRIORITY_CODE	NULL	VARCHAR2(10)	Priority code
REASON_CODE	NULL	VARCHAR2(10)	Reason code
ESTIMATED_ENG_COST	NULL	NUMBER	Estimated engineering implementation cost
ESTIMATED_MFG_COST	NULL	NUMBER	Estimated manufacturing implementation cost
REQUESTOR_ID	NULL	NUMBER	Identifier of the employee who requested this ECO
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
APPROVAL_STATUS_TYPE	NULL	NUMBER	Approval status type code
APPROVAL_DATE	NULL	DATE	Date the ECO was approved
APPROVAL_LIST_ID	NULL	NUMBER	Identifier of list of approvers for the ECO
CHANGE_ORDER_TYPE_ID	NOT NULL	NUMBER	Change order type id
RESPONSIBLE_ORGANIZATION_ID	NULL	NUMBER	ECO department identifier
APPROVAL_REQUEST_DATE	NULL	DATE	Date the approval status is change to 'Approval requested'
DDF_CONTEXT	NULL	VARCHAR2(30)	Developer descriptive flexfield structure defining column

## ENG\_ENG\_CHANGES\_INTERFACE

ENG\_ENG\_CHANGES\_INTERFACE is the base table for the Mass Change Order block in the Mass Change Bills of Material window.

For a future release: ENG\_ENG\_CHANGES\_INTERFACE temporarily stores information about engineering change order headers. This table contains user friendly columns which allow you to easily enter your data as well as their corresponding foreign keys. Oracle Engineering will fill in the column you do not enter after performing the proper validation. For example, you enter the ORGANIZATION\_CODE and Oracle Engineering will fill in the corresponding ORGANIZATION\_ID for you.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
APPROVAL_STATUS_TYPE	ENG_ECN_APPROVAL_STATUS	MFG_LOOKUPS
	1	Not submitted for approval
	2	Ready to approve
	3	Approval requested
	4	Rejected
	5	Approved
	6	No approval needed
CO_CREATED	7	Processing error
	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
STATUS_TYPE	2	No
	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released

### Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(2000)	Description
STATUS_TYPE	NULL	NUMBER	Engineering change order status
INITIATION_DATE	NULL	DATE	Creation date of the ECO

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Column Descriptions (Continued)

Name	Null?	Type	Description
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the entire ECO
CANCELLATION_DATE	NULL	DATE	Cancellation date of the entire ECO
CANCELLATION_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
PRIORITY_CODE	NULL	VARCHAR2(10)	Priority code
REASON_CODE	NULL	VARCHAR2(10)	Reason code
ESTIMATED_ENG_COST	NULL	NUMBER	Estimated engineering implementation cost
ESTIMATED_MFG_COST	NULL	NUMBER	Estimated manufacturing implementation cost
REQUESTOR_ID	NULL	NUMBER	Identifier of the employee who requested this ECO
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
APPROVAL_STATUS_TYPE	NULL	NUMBER	Approval status type code
APPROVAL_DATE	NULL	DATE	Date the ECO was approved
APPROVAL_LIST_ID	NULL	NUMBER	Identifier of list of approvers for the ECO
APPROVAL_LIST_NAME	NULL	VARCHAR2(10)	List of approvers for the ECO
CHANGE_ORDER_TYPE_ID	NULL	NUMBER	Change order type id
CHANGE_ORDER_TYPE	NULL	VARCHAR2(10)	Type of change order
RESPONSIBLE_ORGANIZATION_ID	NULL	NUMBER	ECO department identifier
SET_ID	NULL	VARCHAR2(10)	(not currently used)
APPROVAL_REQUEST_DATE	NULL	DATE	Date the approval status is change to 'Approval requested'
DDF_CONTEXT	NULL	VARCHAR2(30)	(not currently used)
CO_CREATED	NULL	NUMBER	(not currently used)
TRANSACTION_ID	NULL	NUMBER	Row identifier
TRANSACTION_TYPE	NULL	VARCHAR2(10)	Type of action : CREATE, UPDATE or DELETE
PROCESS_FLAG	NULL	NUMBER	Row status
ORGANIZATION_CODE	NULL	VARCHAR2(3)	Abbreviation of organization name
RESPONSIBLE_ORG_CODE	NULL	VARCHAR2(3)	Organization abbreviation for ECO department

Column Descriptions (Continued)

Name	Null?	Type	Description
ENG_CHANGES_IFCE_KEY	NULL	VARCHAR2(30)	User identifier to link rows pertaining to the same business object.

Indexes

Index Name	Index Type	Sequence	Column Name
ENG_ENG_CHANGES_INTERFACE_N1	NOT UNIQUE	3	ORGANIZATION_ID
		4	CHANGE_NOTICE
		6	ENG_CHANGES_IFCE_KEY

## ENG\_REVISD\_COMPONENTS

ENG\_REVISD\_COMPONENTS stores information about the implemented and cancelled revised components on an engineering change order. When an ECO or revised item is implemented or cancelled, the revised component records in BOM\_INVENTORY\_COMPONENTS are copied into ENG\_REVISD\_COMPONENTS to maintain a history of the ECO.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	OPERATION_SEQUENCE_NUM
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE	CHANGE_NOTICE
ENG_REVISD_ITEMS	REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID	SUPPLY_LOCATOR_ID
MTL_ITEM_SUB_INVENTORIES	SECONDARY_INVENTORY	SUPPLY_SUBINVENTORY
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SUPPLY_SUBINVENTORY
MTL_SECONDARY_LOCATORS	SECONDARY_LOCATOR	SUPPLY_LOCATOR_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	COMPONENT_ITEM_ID

### Column Descriptions

Name	Null?	Type	Description
COMPONENT_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Component unique identifier
COMPONENT_ITEM_ID	NOT NULL	NUMBER	Component item identifier
OPERATION_SEQUENCE_NUM	NOT NULL	NUMBER	Operation sequence number
BILL_SEQUENCE_ID	NOT NULL	NUMBER	Bill of material unique identifier
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
EFFECTIVITY_DATE	NOT NULL	DATE	Effective date
COMPONENT_QUANTITY	NOT NULL	NUMBER	Quantity of component in bill of material
COMPONENT_YIELD_FACTOR	NOT NULL	NUMBER	Factor used to multiply component quantity with to obtain required component quantity
LAST_UPDATE_DATE	NOT NULL	DATE	Standard who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard who column
CREATION_DATE	NOT NULL	DATE	Standard who column
CREATED_BY	NOT NULL	NUMBER	Standard who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard who column
CANCELLATION_DATE	NULL	DATE	Date when the ECO, revised item, or revised component was cancelled
CANCEL_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
OLD_COMPONENT_SEQUENCE_ID	NULL	NUMBER	Identifier of component that is being disabled or changed
ITEM_NUM	NULL	NUMBER	Item sequence within bill of material structure
WIP_SUPPLY_TYPE	NULL	NUMBER	WIP supply type code
COMPONENT_REMARKS	NULL	VARCHAR2(240)	Component comments
SUPPLY_SUBINVENTORY	NULL	VARCHAR2(10)	Supply subinventory
SUPPLY_LOCATOR_ID	NULL	NUMBER	Supply locator identifier
IMPLEMENTATION_DATE	NULL	DATE	Date on which engineering change order was implemented
DISABLE_DATE	NULL	DATE	Disable date

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Column Descriptions (Continued)

Name	Null?	Type	Description
ACD_TYPE	NULL	NUMBER	Code indicating whether component is being added, changed, or disabled
PLANNING_FACTOR	NOT NULL	NUMBER	Factor used to multiply component quantity with to obtain required planning quantity
QUANTITY_RELATED	NOT NULL	NUMBER	Code to indicate if this component has quantity related reference designators
SO_BASIS	NULL	NUMBER	Quantity basis used by Oracle Order Management to override the default quantity for an option class in a sales order
OPTIONAL	NULL	NUMBER	Flag indicating if component is optional in bill
MUTUALLY_EXCLUSIVE_OPTIONS	NULL	NUMBER	Flag indicating if one or more children of a component can be picked when taking an order
INCLUDE_IN_COST_ROLLUP	NOT NULL	NUMBER	Flag indicating if this component is to be used when rolling up costs
CHECK_ATP	NOT NULL	NUMBER	Flag indicating if ATP check is required
SHIPPING_ALLOWED	NULL	NUMBER	Flag indicating if component is allowed to ship
REQUIRED_TO_SHIP	NULL	NUMBER	Flag indicating if component is required to ship
REQUIRED_FOR_REVENUE	NULL	NUMBER	Flag indicating if component is required for revenue
INCLUDE_ON_SHIP_DOCS	NULL	NUMBER	Flag indicating if component is displayed on shipping documents
INCLUDE_ON_BILL_DOCS	NULL	NUMBER	Flag indicating if component is included on billing documents
LOW_QUANTITY	NULL	NUMBER	Minimum quantity allowed on an order
HIGH_QUANTITY	NULL	NUMBER	Maximum quantity allowed on an order
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
PICK_COMPONENTS	NULL	NUMBER	(not currently used)

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Column Descriptions (Continued)

Name	Null?	Type	Description
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Engineering change order revised item identifier
COST_FACTOR	NULL	NUMBER	(not currently used)
FROM_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	From End Item Unit Number
TO_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	To End Item Unit Number
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from.
ECO_FOR_PRODUCTION	NULL	NUMBER	WIP Only ECO

Indexes

Index Name	Index Type	Sequence	Column Name
ENG_REVISIED_COMPONENTS_N1	NOT UNIQUE	1	CHANGE_NOTICE
		2	BILL_SEQUENCE_ID
ENG_REVISIED_COMPONENTS_N2	NOT UNIQUE	1	COMPONENT_ITEM_ID
ENG_REVISIED_COMPONENTS_N3	NOT UNIQUE	1	REVISED_ITEM_SEQUENCE_ID
ENG_REVISIED_COMPONENTS_U1	UNIQUE	1	COMPONENT_SEQUENCE_ID

## ENG\_REVISSED\_ITEMS

ENG\_REVISSED\_ITEMS stores information about the revised items on an engineering change order. It is a child table of ENG\_ENGINEERING\_CHANGES. Since each ECO may have more than one revised item that refers to the same bill, the column REVISED\_ITEM\_SEQUENCE\_ID is used to differentiate between multiple occurrences of the same item on an ECO.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	BILL_SEQUENCE_ID
ENG_ENGINEERING_CHANGES	ORGANIZATION_ID	ORGANIZATION_ID
	CHANGE_NOTICE	CHANGE_NOTICE
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID	ORGANIZATION_ID
	INVENTORY_ITEM_ID	REVISED_ITEM_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	USE_UP_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACD_TYPE	ECG_ACTION	MFG_LOOKUPS
	1	Add
	2	Change
	3	Disable
DISPOSITION_TYPE	ECG_MATERIAL_DISPOSITION	MFG_LOOKUPS
	1	No change required
	10	Exhaust on serial number
	2	Scrap WIP and inventory
	3	Scrap only inventory
	4	Scrap only WIP
	5	Rework inventory and WIP
	6	Rework only inventory
	7	Rework only WIP
	8	Exhaust WIP and inventory
	9	Exhaust only WIP
MRP_ACTIVE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
STATUS_TYPE	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released
UPDATE_WIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
USE_UP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes

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## QuickCodes Columns (Continued)

Column	QuickCodes Type		QuickCodes Table
	2		No
<i>Column Descriptions</i>			
Name	Null?	Type	Description
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
REVISED_ITEM_ID	NOT NULL	NUMBER	Revised item identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the revised item
DESCRIPTIVE_TEXT	NULL	VARCHAR2(240)	Descriptive text
CANCELLATION_DATE	NULL	DATE	Cancellation date of the revised item
CANCEL_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
DISPOSITION_TYPE	NOT NULL	NUMBER	Disposition type (information purposes only)
NEW_ITEM_REVISION	NULL	VARCHAR2(3)	New revision of the revised item
AUTO_IMPLEMENT_DATE	NULL	DATE	Date that the revised item was scheduled for auto implementation
EARLY_SCHEDULE_DATE	NULL	DATE	Early effective date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
STATUS_TYPE	NOT NULL	NUMBER	Status of the revised item
SCHEDULED_DATE	NOT NULL	DATE	Effective date of the revised item
BILL_SEQUENCE_ID	NULL	NUMBER	Bill of material unique identifier
MRP_ACTIVE	NOT NULL	NUMBER	Flag indicating whether the revised item is available to MRP
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

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# Column Descriptions (Continued)

Name	Null?	Type	Description
UPDATE_WIP	NOT NULL	NUMBER	Flag indicating whether or not to update repetitive schedules and unreleased discrete jobs in WIP when the revised item is implemented
USE_UP	NOT NULL	NUMBER	Flag indicating whether or not the use up date for an item is being used as the effective date for the revised item
USE_UP_ITEM_ID	NULL	NUMBER	Identifier of the use up item
REVISED_ITEM_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Unique identifier of a revised item
USE_UP_PLAN_NAME	NULL	VARCHAR2(10)	Use up plan name
FROM_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	From End Item Unit Number
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original system that data for the current record has come from
FROM_WIP_ENTITY_ID	NULL	NUMBER	From WIP Entity Id
TO_WIP_ENTITY_ID	NULL	NUMBER	To WIP Entity Id
FROM_CUM_QTY	NULL	NUMBER	From CUM Qty
LOT_NUMBER	NULL	VARCHAR2(30)	Lot Number
CFM_ROUTING_FLAG	NULL	NUMBER	CFM Routing Flag
COMPLETION_SUBINVENTORY	NULL	VARCHAR2(10)	Completion Subinventory
COMPLETION_LOCATOR_ID	NULL	NUMBER	Completion Locator Id
MIXED_MODEL_MAP_FLAG	NULL	NUMBER	Mixed Model Map Flag
PRIORITY	NULL	NUMBER	Priority
CTP_FLAG	NULL	NUMBER	CTP Flag
ROUTING_SEQUENCE_ID	NULL	NUMBER	Routing Sequence Id
NEW_ROUTING_REVISION	NULL	VARCHAR2(3)	New Routing Revision
ROUTING_COMMENT	NULL	VARCHAR2(240)	Routing Comments
ECO_FOR_PRODUCTION	NULL	NUMBER	WIP Only ECO

## Indexes

Index Name	Index Type	Sequence	Column Name
ENG_REVISED_ITEMS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	CHANGE_NOTICE
		3	REVISED_ITEM_ID
ENG_REVISED_ITEMS_N2	NOT UNIQUE	1	BILL_SEQUENCE_ID
ENG_REVISED_ITEMS_N3	NOT UNIQUE	1	REVISED_ITEM_ID
ENG_REVISED_ITEMS_N4	NOT UNIQUE	5	ORGANIZATION_ID
		5	NEW_ROUTING_REVISION
		5	FROM_END_ITEM_UNIT_NUMBER
		5	REVISED_ITEM_ID
		5	CHANGE_NOTICE
ENG_REVISED_ITEMS_N5	NOT UNIQUE	5	SCHEDULED_DATE
		5	ORGANIZATION_ID
		5	NEW_ITEM_REVISION
		5	FROM_END_ITEM_UNIT_NUMBER
		5	SCHEDULED_DATE
ENG_REVISED_ITEMS_U2	UNIQUE	5	CHANGE_NOTICE
		5	REVISED_ITEM_ID
		1	REVISED_ITEM_SEQUENCE_ID

## Sequences

Sequence	Derived Column
ENG_REVISED_ITEMS_S	REVISED_ITEM_SEQUENCE_ID

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## ENG\_REVISD\_ITEMS\_INTERFACE

The ENG\_REVISD\_ITEMS\_INTERFACE table serves two purposes. First, it is a base table for the developer descriptive flexfield in the Mass Change Bills of Material window. The columns used for this purpose all refer to the mass change process in their descriptions.

Secondly, this table acts as an open interface table. You can temporarily store information about revised items on an engineering change order. This table contains user friendly columns which allow you to easily enter your data as well as their corresponding foreign keys. Oracle Engineering will fill in the column you do not enter after performing the proper validation. For example, if you enter the ORGANIZATION\_CODE, Oracle Engineering will fill in the corresponding ORGANIZATION\_ID for you.

The REQUESTOR\_ID and COMMENTS columns are used by the open interface. These columns exist so the user can enter additional information while rescheduling the revised item through the open interface. The values in these columns are copied into the SCHEDULED\_DATE history table ENG\_CURRENT\_SCHEDULED\_DATES, along with the new SCHEDULED\_DATE value. You should not use the before mentioned "mass change" columns when entering open interface data.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ALTERNATE_SELECTION_CODE	MCG_AUTOLOAD_OPTION	MFG_LOOKUPS
DISPOSITION_TYPE	ECG_MATERIAL_DISPOSITION	MFG_LOOKUPS
	1	No change required
	10	Exhaust on serial number
	2	Scrap WIP and inventory
	3	Scrap only inventory
	4	Scrap only WIP
	5	Rework inventory and WIP
	6	Rework only inventory
	7	Rework only WIP
	8	Exhaust WIP and inventory
	9	Exhaust only WIP
INCREMENT_REV	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
MRP_ACTIVE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
STATUS_TYPE	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released
UPDATE_WIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
USE_UP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

Column Descriptions

Name	Null?	Type	Description
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
ORGANIZATION_ID	NULL	NUMBER	Organization identifier
REVISED_ITEM_ID	NULL	NUMBER	Identifier for the revised item
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
IMPLEMENTATION_DATE	NULL	DATE	Implementation date of the revised item
DESCRIPTIVE_TEXT	NULL	VARCHAR2(240)	Descriptive text
CANCELLATION_DATE	NULL	DATE	Cancellation date of the revised item
CANCEL_COMMENTS	NULL	VARCHAR2(240)	Cancellation comments
DISPOSITION_TYPE	NULL	NUMBER	Disposition type (information purposes only)
NEW_ITEM_REVISION	NULL	VARCHAR2(3)	New revision of the revised item
AUTO_IMPLEMENT_DATE	NULL	DATE	Date that the revised item was scheduled for auto implementation
EARLY_SCHEDULE_DATE	NULL	DATE	Early effective date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
STATUS_TYPE	NULL	NUMBER	Status of the revised item
SCHEDULED_DATE	NULL	DATE	Effective date of the revised item

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Column Descriptions (Continued)

Name	Null?	Type	Description
BILL_SEQUENCE_ID	NULL	NUMBER	Bill of material unique identifier
MRP_ACTIVE	NULL	NUMBER	Flag indicating whether the revised item is available to MRP
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
UPDATE_WIP	NULL	NUMBER	Flag indicating whether or not to update repetitive schedules and unreleased discrete jobs in WIP when the revised item is implemented
USE_UP	NULL	NUMBER	Flag indicating whether or not the use up date for an item is being used as the effective date for the revised item
USE_UP_ITEM_ID	NULL	NUMBER	Identifier of the use up item
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Unique identifier of a revised item
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Alternate designator code that mass change uses to create ECOS
CATEGORY_SET_ID	NULL	NUMBER	Category set identifier that mass change uses to create ECOS
STRUCTURE_ID	NULL	NUMBER	Category structure identifier that mass change uses to create ECOS
ITEM_FROM	NULL	VARCHAR2(240)	Beginning of a range of items that mass change uses to create ECOS
ITEM_TO	NULL	VARCHAR2(240)	End of a range of items that mass change uses to create ECOS
CATEGORY_FROM	NULL	VARCHAR2(240)	Beginning of category range that mass change uses to create ECOS
CATEGORY_TO	NULL	VARCHAR2(240)	End of category range that mass change uses to create ECOS
DDF_CONTEXT	NULL	VARCHAR2(30)	Developer descriptive flexfield structure column for mass change form
INCREMENT_REV	NULL	NUMBER	Increment the numerical revision when mass change creates ECOS (Yes/No)
ITEM_TYPE	NULL	VARCHAR2(30)	Item type that mass change uses to create ECOS
USE_UP_PLAN_NAME	NULL	VARCHAR2(10)	Use up plan name
ALTERNATE_SELECTION_CODE	NULL	NUMBER	Type of alternate selection to use when mass change creates ECOS
TRANSACTION_ID	NULL	NUMBER	Row identifier
TRANSACTION_TYPE	NULL	VARCHAR2(10)	Type of action: Create, Update, or Delete
PROCESS_FLAG	NULL	NUMBER	Row status
ORGANIZATION_CODE	NULL	VARCHAR2(3)	Abbreviation for organization name
REQUESTOR_ID	NULL	NUMBER	Identifier of user who is requesting that this item be rescheduled
COMMENTS	NULL	VARCHAR2(240)	Comments on why this item is being rescheduled

*Column Descriptions (Continued)*

Name	Null?	Type	Description
REVISED_ITEM_NUMBER	NULL	VARCHAR2(81)	Concatenated item segments of the revised item
ASSEMBLY_ITEM_NUMBER	NULL	VARCHAR2(81)	Concatenated item segments of the assembly
USE_UP_ITEM_NUMBER	NULL	VARCHAR2(81)	Concatenated item segments of the use up item
APPROVAL_LIST_NAME	NULL	VARCHAR2(10)	Name of the approval list
BASE_ITEM_ID	NULL	NUMBER	Base item identifier
ENG_REVISED_ITEMS_IFCE_KEY	NULL	VARCHAR2(30)	User defined identifier to link rows pertaining to the same revised item
ENG_CHANGES_IFCE_KEY	NULL	VARCHAR2(30)	User defined identifier to link rows pertaining to the same business object

*Indexes*

Index Name	Index Type	Sequence	Column Name
ENG_REVISED_ITEMS_INTERFACE_N1	NOT UNIQUE	1	REVISED_ITEM_ID
ENG_REVISED_ITEMS_INTERFACE_N2	NOT UNIQUE	1	ORGANIZATION_ID
		2	CHANGE_NOTICE
		3	REVISED_ITEM_ID
		5	ENG_REVISED_ITEMS_IFCE_KEY
ENG_REVISED_ITEMS_INTERFACE_N3	NOT UNIQUE	1	REVISED_ITEM_SEQUENCE_ID

# ENG\_REVISD\_OPERATIONS

ENG\_REVISD\_OPERATIONS stores revised operation information.

## Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE	CHANGE_NOTICE
ENG_REVISD_ITEMS	REVISED_ITEM_SEQUENCE_ID	REVISED_ITEM_SEQUENCE_ID

## Column Descriptions

Name	Null?	Type	Description
OPERATION_SEQUENCE_ID	NOT NULL	NUMBER	Operation Sequence Id
ROUTING_SEQUENCE_ID	NOT NULL	NUMBER	Routing Sequence Id
OPERATION_SEQ_NUM	NOT NULL	NUMBER	Operation Seq Num
LAST_UPDATE_DATE	NOT NULL	DATE	Last Update Date
LAST_UPDATED_BY	NOT NULL	NUMBER	Last Updated By
CREATION_DATE	NOT NULL	DATE	Creation Date
CREATED_BY	NOT NULL	NUMBER	Created By
LAST_UPDATE_LOGIN		NUMBER	Last Update Login
STANDARD_OPERATION_ID		NUMBER	Standard Operation Id
DEPARTMENT_ID	NOT NULL	NUMBER	Department Id
OPERATION_LEAD_TIME_PERCENT		NUMBER	Operation Lead Time Percent
MINIMUM_TRANSFER_QUANTITY		NUMBER	Minimum Transfer Quantity
COUNT_POINT_TYPE	NOT NULL	NUMBER	Count Point Type
OPERATION_DESCRIPTION		VARCHAR2(240)	Operation Description
EFFECTIVITY_DATE	NOT NULL	DATE	Effectivity Date
DISABLE_DATE		DATE	Disable Date
BACKFLUSH_FLAG	NOT NULL	NUMBER	Backflush Flag
OPTION_DEPENDENT_FLAG	NOT NULL	NUMBER	Option Dependent Flag
ATTRIBUTE_CATEGORY		VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15		VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID		NUMBER	Request Id
PROGRAM_APPLICATION_ID		NUMBER	Program Application Id
PROGRAM_ID		NUMBER	Program Id
PROGRAM_UPDATE_DATE		DATE	Program Update Date
OPERATION_TYPE		NUMBER	Operation Type
REFERENCE_FLAG		NUMBER	Reference Flag
PROCESS_OP_SEQ_ID		NUMBER	Process Op Seq Id
LINE_OP_SEQ_ID		NUMBER	Line Op Seq Id

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Column Descriptions (Continued)

Name	Null?	Type	Description
YIELD	NULL	NUMBER	Yield
CUMULATIVE_YIELD	NULL	NUMBER	Cumulative Yield
REVERSE_CUMULATIVE_YIELD	NULL	NUMBER	Reverse Cumulative Yield
LABOR_TIME_CALC	NULL	NUMBER	Labor Time Calc
MACHINE_TIME_CALC	NULL	NUMBER	Machine Time Calc
TOTAL_TIME_CALC	NULL	NUMBER	Total Time Calc
LABOR_TIME_USER	NULL	NUMBER	Labor Time User
MACHINE_TIME_USER	NULL	NUMBER	Machine Time User
TOTAL_TIME_USER	NULL	NUMBER	Total Time User
NET_PLANNING_PERCENT	NULL	NUMBER	Net Palnning Percent
X_COORDINATE	NULL	NUMBER	X Coordinate
Y_COORDINATE	NULL	NUMBER	Y Coordinate
INCLUDE_IN_ROLLUP	NULL	NUMBER	Include In Rollup
OPERATION_YIELD_ENABLED	NULL	NUMBER	Operation Yield Enable
CHANGE_NOTICE	NOT NULL	VARCHAR2(10)	Change Notice
IMPLEMENTATION_DATE	NULL	DATE	Implementation Date
OLD_OPERATION_SEQUENCE_ID	NULL	NUMBER	Old Operation Sequence Id
ACD_TYPE	NULL	NUMBER	Acd Type
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Revised Item Sequence Id
CANCELLATION_DATE	NULL	DATE	Cancellation Date
CANCEL_COMMENTS	NULL	VARCHAR2(240)	Cancel Comments
ORIGINAL_SYSTEM_REFERENCE	NULL	VARCHAR2(50)	Original System Reference
ECO_FOR_PRODUCTION	NULL	NUMBER	WIP Only ECO

Indexes

Index Name	Index Type	Sequence	Column Name
ENG_REVISD_OPERATIONS_U1	NOT UNIQUE	5	OPERATION_SEQUENCE_ID
ENG_REVISD_OPERATIONS_U2	NOT UNIQUE	5	OPERATION_SEQUENCE_ID
		5	ROUTING_SEQUENCE_ID
		5	DEPARTMENT_ID
		5	OPERATION_TYPE



# ENG\_WEB\_REF\_DESIG\_V

Revised Reference Designators are reference designators that are only defined within an ECO. Designed for use in Oracle Self Service Web Applications.

View Definition

```
CREATE VIEW ENG_WEB_REF_DESIG_V
as SELECT
    brd.component_sequence_id,
    ml.meaning action,
    brd.component_reference_designator,
    brd.ref_designator_comment

    mfg_lookups ml,
    bom_reference_designators brd,
    eng_revised_items eri,
    bom_inventory_components bic
Where brd.component_sequence_id = bic.component_sequence_id
And   bic.revised_item_sequence_id = eri.revised_item_sequence_id
And   brd.change_notice = eri.change_notice
And   ml.lookup_code = brd.acd_type
And   ml.lookup_type = 'ENG_REF_DESIG_ACTION'
```

QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACTION	ENG_REF_DESIG_ACTION	MFG_LOOKUPS
	1	Add
	3	Disable

Column Descriptions

Name	Null?	Type	Description
COMPONENT_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.
ACTION	NULL	NUMBER	Refer to base table.
COMPONENT_REFERENCE_DESIGNATOR	NULL	VARCHAR2(1)	Refer to base table.
REF_DESIGNATOR_COMMENT	NULL	VARCHAR2(1)	Refer to base table.

## ENG\_WEB\_REVISSED\_COMPS\_V

Revised Component on an ECO. Designed for use in Oracle Self Service Web Applications.

### View Definition

```
CREATE VIEW ENG_WEB_REVISSED_COMPS_V
as SELECT
    A.REVISSED_ITEM_SEQUENCE_ID
  , A.OPERATION_SEQUENCE_NUM
  , A.ITEM_NUM
  , MSI.PADDED_CONCATENATED_SEGMENTS
  , MSI2.CONCATENATED_SEGMENTS REVISSED_ITEM
  , ML.MEANING ACTION
  , A.COMPONENT_ITEM_ID
  , ERI.ORGANIZATION_ID
  , MP.ORGANIZATION_CODE
  , MSI.CONCATENATED_SEGMENTS COMPONENT_ITEM
  , MSI.DESCRPTION
  , MSI.ENG_ITEM_FLAG
  , MSI.PRIMARY_UOM_CODE
  , A2.OPERATION_SEQ_NUM OLD_OP_SEQ_NUM
  , A.EFFECTIVITY_DATE
  , to_char(A.EFFECTIVITY_DATE, 'hh24:mi:ss') effectivity_time

  , A.COMPONENT_QUANTITY
  , ERI.CHANGE_NOTICE
  , A.COMPONENT_SEQUENCE_ID
Where FROM
    BOM_INVENTORY_COMPONENTS A2
  , MTL_SYSTEM_ITEMS_KFV MSI
  , MFG_LOOKUPS ML
  , ENG_REVISSED_COMPONENTS A
  , MTL_SYSTEM_ITEMS_KFV MSI2
  , MTL_PARAMETERS MP
  , ENG_REVISSED_ITEMS ERI
WHERE A.REVISSED_ITEM_SEQUENCE_ID = ERI.REVISSED_ITEM_SEQUENCE_ID
AND A.COMPONENT_ITEM_ID          = MSI.INVENTORY_ITEM_ID
AND ERI.ORGANIZATION_ID          = MSI.ORGANIZATION_ID
AND ERI.REVISSED_ITEM_ID         = MSI2.INVENTORY_ITEM_ID
AND ERI.ORGANIZATION_ID         = MSI2.ORGANIZATION_ID
AND ML.LOOKUP_CODE               = A.ACD_TYPE
AND ML.LOOKUP_TYPE               = 'ECG_ACTION'
AND A.OLD_COMPONENT_SEQUENCE_ID = A2.COMPONENT_SEQUENCE_ID
AND MP.ORGANIZATION_ID = ERI.ORGANIZATION_ID
UNION
SELECT
    B.REVISSED_ITEM_SEQUENCE_ID,
    B.OPERATION_SEQ_NUM,
    B.ITEM_NUM,
    MSI.PADDED_CONCATENATED_SEGMENTS,
    MSI2.CONCATENATED_SEGMENTS REVISSED_ITEM,
    ML.MEANING ACTION,
    B.COMPONENT_ITEM_ID,
    ERI.ORGANIZATION_ID,
```

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```

MP.ORGANIZATION_CODE,
MSI.CONCATENATED_SEGMENTS COMPONENT_ITEM,
MSI.DESCRPTION,
MSI.ENG_ITEM_FLAG,
MSI.PRIMARY_UOM_CODE,
B2.OPERATION_SEQ_NUM OLD_OP_SEQ_NUM,
B.EFFECTIVITY_DATE,
to_char(B.EFFECTIVITY_DATE, 'hh24:mi:ss') effectivity_time,
B.COMPONENT_QUANTITY,
ERI.CHANGE_NOTICE,
B.COMPONENT_SEQUENCE_ID
FROM   BOM_INVENTORY_COMPONENTS B2
       ,MTL_SYSTEM_ITEMS_KFV MSI
       ,MFG_LOOKUPS ML
       ,BOM_INVENTORY_COMPONENTS B
       ,MTL_SYSTEM_ITEMS_KFV MSI2
       ,MTL_PARAMETERS MP
       ,ENG_REVISIED_ITEMS ERI
WHERE  B.IMPLEMENTATION_DATE IS NULL
AND    B.REVISIED_ITEM_SEQUENCE_ID = ERI.REVISIED_ITEM_SEQUENCE_ID
AND    B.COMPONENT_ITEM_ID         = MSI.INVENTORY_ITEM_ID
AND    ERI.ORGANIZATION_ID         = MSI.ORGANIZATION_ID
AND    ERI.REVISIED_ITEM_ID        = MSI2.INVENTORY_ITEM_ID
AND    ERI.ORGANIZATION_ID         = MSI2.ORGANIZATION_ID
AND    ML.LOOKUP_CODE              = B.ACD_TYPE
AND    ML.LOOKUP_TYPE              = 'ECG_ACTION'
AND    MP.ORGANIZATION_ID = ERI.ORGANIZATION_ID
AND    B.OLD_COMPONENT_SEQUENCE_ID = B2.COMPONENT_SEQUENCE_ID

```

#### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACTION	ECG_ACTION	MFG_LOOKUPS
	1	Add
	2	Change
	3	Disable

#### Column Descriptions

Name	Null?	Type	Description
REVISIED_ITEM_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.
OPERATION_SEQ_NUM	NULL	VARCHAR2(1)	Refer to base table.
ITEM_NUM	NULL	VARCHAR2(1)	Refer to base table.
PADDED_CONCATENATED_SEGMENTS	NULL	VARCHAR2(1)	Refer to base table.
REVISIED_ITEM	NULL	VARCHAR2(1)	Refer to base table.
ACTION	NULL	NUMBER	Refer to base table.
COMPONENT_ITEM_ID	NULL	VARCHAR2(1)	Refer to base table.
ORGANIZATION_ID	NULL	VARCHAR2(1)	Refer to base table.
ORGANIZATION_CODE	NULL	VARCHAR2(1)	Refer to base table.
COMPONENT_ITEM	NULL	VARCHAR2(1)	Refer to base table.
DESCRIPTION	NULL	VARCHAR2(1)	Refer to base table.
ENG_ITEM_FLAG	NULL	VARCHAR2(1)	Refer to base table.
PRIMARY_UOM_CODE	NULL	VARCHAR2(1)	Refer to base table.
OLD_OPERATION_SEQ_NUM	NULL	VARCHAR2(1)	Refer to base table.
EFFECTIVITY_DATE	NULL	VARCHAR2(1)	Refer to base table.
EFFECTIVITY_TIME	NULL	VARCHAR2(1)	Refer to base table.

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*Column Descriptions (Continued)*

<u>Name</u>	<u>Null?</u>	<u>Type</u>	<u>Description</u>
COMPONENT_QUANTITY	NULL	VARCHAR2(1)	Refer to base table.
CHANGE_NOTICE	NULL	VARCHAR2(1)	Refer to base table.
COMPONENT_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.

## ENG\_WEB\_SCHEDULE\_V

The revised items view is designed for use in Oracle Self Service Web Applications.

### View Definition

```
CREATE VIEW ENG_WEB_SCHEDULE_V
as SELECT
    ERI.REVISED_ITEM_SEQUENCE_ID
  , ECO.CHANGE_NOTICE
  , MP.ORGANIZATION_CODE
  , ECT.CHANGE_ORDER_TYPE
  , MLU4.MEANING ECO_STATUS
  , EMP.FULL_NAME REQUESTOR
  , ORG.NAME DEPARTMENT
  , ECO.REASON_CODE
  , ECR.DESCRPTION REASON_DESCRIPTION
  , ECO.PRIORITY_CODE
  , ECO.INITIATION_DATE
  , MLU3.MEANING APPROVAL_STATUS
  , ECO.APPROVAL_REQUEST_DATE
  , ECO.APPROVAL_DATE
  , ERI.REVISED_ITEM_ID
  , ERI.ORGANIZATION_ID
  , MIF.ITEM_NUMBER REVISED_ITEM
  , MIF.PADDED_ITEM_NUMBER PADDED_REVISED_ITEM
  , MIF.DESCRPTION REVISED_ITEM_DESCRIPTION
  , BOM.ALTERNATE_BOM_DESIGNATOR ALTERNATE_BOM_DESIGNATOR
  , ERI.NEW_ITEM_REVISION
  , MLU.MEANING REVISED_ITEM_STATUS
  , ERI.SCHEDULED_DATE
  , ERI.IMPLEMENTATION_DATE
  , MLU6.MEANING MRP_ACTIVE
  , MLU5.MEANING UPDATE_WIP
  , ERI.BILL_SEQUENCE_ID
  , ECO.DESCRPTION
Where FROM      BOM_BILL_OF_MATERIALS BOM,
        MTL_ITEM_FLEXFIELDS MIF,
        MFG_LOOKUPS MLU6,
        MFG_LOOKUPS MLU5,
        MFG_LOOKUPS MLU,
        ENG_REVISED_ITEMS ERI,
        PER_PEOPLE_F EMP,
        HR_ORGANIZATION_UNITS ORG,
        ENG_CHANGE_REASONS ECR,
        MFG_LOOKUPS MLU3,
        MFG_LOOKUPS MLU4,
        ENG_CHANGE_ORDER_TYPES ECT,
        ENG_ENGINEERING_CHANGES ECO,
        MTL_PARAMETERS MP
WHERE ECO.CHANGE_NOTICE = ERI.CHANGE_NOTICE
AND ECO.ORGANIZATION_ID = ERI.ORGANIZATION_ID
AND ERI.BILL_SEQUENCE_ID = BOM.BILL_SEQUENCE_ID(+)
AND ECO.CHANGE_ORDER_TYPE_ID = ECT.CHANGE_ORDER_TYPE_ID
AND ERI.ORGANIZATION_ID = MIF.ORGANIZATION_ID
```

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```

AND ERI.REVISED_ITEM_ID = MIF.INVENTORY_ITEM_ID
AND ECO.STATUS_TYPE = MLU4.LOOKUP_CODE
AND MLU4.LOOKUP_TYPE = 'ECG_ECN_STATUS'
AND ERI.STATUS_TYPE = MLU.LOOKUP_CODE
AND MLU.LOOKUP_TYPE = 'ECG_ECN_STATUS'
AND ECO.APPROVAL_STATUS_TYPE = MLU3.LOOKUP_CODE(+)
AND MLU3.LOOKUP_TYPE(+) = 'ENG_ECN_APPROVAL_STATUS'
AND EMP.PERSON_ID (+) = ECO.REQUESTOR_ID
AND TRUNC(SYSDATE) BETWEEN EMP.EFFECTIVE_START_DATE (+)
AND EMP.EFFECTIVE_END_DATE(+)
AND ECO.RESPONSIBLE_ORGANIZATION_ID = ORG.ORGANIZATION_ID(+)
AND ECR.ENG_CHANGE_REASON_CODE (+) = ECO.REASON_CODE
AND ECR.ORGANIZATION_ID (+) = ECO.ORGANIZATION_ID
AND ECO.ORGANIZATION_ID = MP.ORGANIZATION_ID
AND ERI.UPDATE_WIP = MLU5.LOOKUP_CODE
AND MLU5.LOOKUP_TYPE = 'SYS_YES_NO'
AND ERI.MRP_ACTIVE = MLU6.LOOKUP_CODE
AND MLU6.LOOKUP_TYPE = 'SYS_YES_NO'

```

#### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ECO_STATUS	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released
MRP_ACTIVE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
REVISED_ITEM_STATUS	ECG_ECN_STATUS	MFG_LOOKUPS
	1	Open
	2	Hold
	4	Scheduled
	5	Cancelled
	6	Implemented
	7	Released
UPDATE_WIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

#### Column Descriptions

Name	Null?	Type	Description
REVISED_ITEM_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.
CHANGE_NOTICE	NULL	VARCHAR2(1)	Refer to base table.
ORGANIZATION_CODE	NULL	VARCHAR2(1)	Refer to base table.
CHANGE_ORDER_TYPE	NULL	VARCHAR2(1)	Refer to base table.
ECO_STATUS	NULL	NUMBER	Refer to base table.
REQUESTOR	NULL	VARCHAR2(1)	Refer to base table.
DEPARTMENT	NULL	VARCHAR2(1)	Refer to base table.
REASON_CODE	NULL	VARCHAR2(1)	Refer to base table.
REASON_DESCRIPTION	NULL	VARCHAR2(1)	Refer to base table.

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Column Descriptions (Continued)

Name	Null?	Type	Description
PRIORITY_CODE	NULL	VARCHAR2(1)	Refer to base table.
INITIATION_DATE	NULL	VARCHAR2(1)	Refer to base table.
APPROVAL_STATUS	NULL	VARCHAR2(1)	Refer to base table.
APPROVAL_REQUEST_DATE	NULL	VARCHAR2(1)	Refer to base table.
APPROVAL_DATE	NULL	DATE	Refer to base table.
REVISED_ITEM_ID	NULL	VARCHAR2(1)	Refer to base table.
ORGANIZATION_ID	NULL	VARCHAR2(1)	Refer to base table.
REVISED_ITEM	NULL	VARCHAR2(1)	Refer to base table.
PADDED_REVISED_ITEM	NULL	VARCHAR2(1)	Refer to base table.
REVISED_ITEM_DESCRIPTION	NULL	VARCHAR2(1)	Refer to base table.
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(1)	Refer to base table.
NEW_ITEM_REVISION	NULL	VARCHAR2(1)	Refer to base table.
REVISED_ITEM_STATUS	NULL	NUMBER	Refer to base table.
SCHEDULED_DATE	NULL	VARCHAR2(1)	Refer to base table.
IMPLEMENTATION_DATE	NULL	VARCHAR2(1)	Refer to base table.
MRP_ACTIVE	NULL	NUMBER	Refer to base table.
UPDATE_WIP	NULL	NUMBER	Refer to base table.
BILL_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.
ECO_DESCRIPTION	NULL	VARCHAR2(1)	Refer to base table.

ENG\_WEB\_SUB\_COMPS\_V

Revised Substitute Components. Only those substitute components defined within an ECO are shown in this view. Designed for use in Oracle Self Service Web Applications.

View Definition

```
CREATE VIEW ENG_WEB_SUB_COMPS_V
as SELECT
    bsc.component_sequence_id,
    ml.meaning action,
    msi.concatenated_segments substitute_component,
    msi.padded_concatenated_segments,
    bsc.substitute_item_quantity,
    msi.primary_uom_code,
    msi.description

    mfg_lookups ml,
    bom_substitute_components bsc,
    eng_revised_items eri,
    bom_inventory_components bic
where bic.component_sequence_id = bsc.component_sequence_id
and   bic.revised_item_sequence_id = eri.revised_item_sequence_id
and   bsc.change_notice = eri.change_notice
and   msi.inventory_item_id = bsc.substitute_component_id
and   msi.organization_id = eri.organization_id
and   ml.lookup_code = bsc.acd_type
and   ml.lookup_type = 'ENG_REF_DESIG_ACTION'
```

QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACTION	ENG_REF_DESIG_ACTION	MFG_LOOKUPS
	1	Add
	3	Disable

Column Descriptions

Name	Null?	Type	Description
COMPONENT_SEQUENCE_ID	NULL	VARCHAR2(1)	Refer to base table.
ACTION	NULL	NUMBER	Refer to base table.
SUBSTITUTE_COMPONENT	NULL	VARCHAR2(1)	Refer to base table.
PADDED_CONCATENATED_SEGMENTS	NULL	VARCHAR2(1)	Refer to base table.
SUBSTITUTE_ITEM_QUANTITY	NULL	VARCHAR2(1)	Refer to base table.
PRIMARY_UOM_CODE	NULL	VARCHAR2(1)	Refer to base table.
DESCRIPTION	NULL	VARCHAR2(1)	Refer to base table.



## FA\_CATEGORIES\_B

FA\_CATEGORIES\_B stores information about your asset categories. This table provides default information when you add an asset. The depreciation program does not use this information to calculate depreciation.

The Asset Categories form inserts one row in this table for each asset category you define.

The Application Object Library table FND\_ID\_FLEX\_SEGMENTS stores information about which column in this table is used for each segment.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CAPITALIZE_FLAG	YESNO	FA_LOOKUPS
	NO	NO
	YES	YES
CATEGORY_TYPE	CATEGORY TYPE	FA_LOOKUPS
	LEASE	LEASE
	LEASEHOLD IMPROVEMENT	LEASEHOLD IMPROVEMENT
	NON-LEASE	NON-LEASE
ENABLED_FLAG	YESNO	FA_LOOKUPS
	NO	NO
	YES	YES
OWNED_LEASED	OWNLEASE	FA_LOOKUPS
	LEASED	LEASED
	OWNED	OWNED
PROPERTY_1245_1250_CODE	1245/1250 PROPERTY	FA_LOOKUPS
	1245	1245
	1250	1250
PROPERTY_TYPE_CODE	PROPERTY TYPE	FA_LOOKUPS
	PERSONAL	PERSONAL
	REAL	REAL
SUMMARY_FLAG	YESNO	FA_LOOKUPS
	NO	NO
	YES	YES

### Column Descriptions

Name	Null?	Type	Description
CATEGORY_ID (PK)	NOT NULL	NUMBER(15)	Unique identification number for each asset category you defined
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Used by Application Object Library for flexfield definition
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Indicates whether this category is still valid

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Column Descriptions (Continued)

Name	Null?	Type	Description
OWNED_LEASED	NOT NULL	VARCHAR2(6)	Indicates whether the assets in this category are owned or leased
PRODUCTION_CAPACITY	NULL	NUMBER	Production capacity for assets that use a units of production depreciation method
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CATEGORY_TYPE	NOT NULL	VARCHAR2(30)	Indicates the category type Oracle Assets uses to classify assets in this asset category
CAPITALIZE_FLAG	NOT NULL	VARCHAR2(3)	YES if assets in this category are capitalized assets
SEGMENT1	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT2	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT3	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT4	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT5	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT6	NULL	VARCHAR2(30)	Asset category key flexfield segment column
SEGMENT7	NULL	VARCHAR2(30)	Asset category key flexfield segment column
START_DATE_ACTIVE	NULL	DATE	Date that you can begin using this asset category
END_DATE_ACTIVE	NULL	DATE	Last date you can add assets to this asset category
PROPERTY_TYPE_CODE	NULL	VARCHAR2(10)	Indicates the property type you assigned to an asset category
PROPERTY_1245_1250_CODE	NULL	VARCHAR2(4)	Indicates whether assets in this category are 1245 property class or 1250 property class
DATE_INEFFECTIVE	NULL	DATE	Not currently used
INVENTORIAL	NULL	VARCHAR2(3)	Indicates whether the asset should be included in physical inventory
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE_CATEGORY_CODE	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Reserved for country-specific functionality

Indexes

Index Name	Index Type	Sequence	Column Name
FA_CATEGORIES_B_N1	NOT UNIQUE	1	SEGMENT1
FA_CATEGORIES_B_N2	NOT UNIQUE	1	SEGMENT2
FA_CATEGORIES_B_N3	NOT UNIQUE	1	SEGMENT3
FA_CATEGORIES_B_N4	NOT UNIQUE	1	SEGMENT4
FA_CATEGORIES_B_N5	NOT UNIQUE	1	SEGMENT5
FA_CATEGORIES_B_N6	NOT UNIQUE	1	SEGMENT6
FA_CATEGORIES_B_N7	NOT UNIQUE	1	SEGMENT7
FA_CATEGORIES_B_U1	UNIQUE	1	CATEGORY_ID

*Sequences*

<u>Sequence</u>	<u>Derived Column</u>
FA_CATEGORIES_B_S	CATEGORY_ID

## FA\_SYSTEM\_CONTROLS

FA\_SYSTEM\_CONTROLS stores system-wide controls that affect all your assets. This table consists of a single row.

LAST\_MASS\_ADDITIONS identifies the most recent concurrent request for the mass additions create process.

LAST\_MASS\_ADDITIONS\_POST identifies the most recent concurrent request for the mass additions post process.

### Column Descriptions

Name	Null?	Type	Description
COMPANY_NAME (PK)	NOT NULL	VARCHAR2(30)	Identifies the name of your company that will appear on all Oracle Assets reports
DATE_PLACED_IN_SERVICE	NOT NULL	DATE	Earliest allowed date placed in service
INITIAL_ASSET_ID	NOT NULL	NUMBER(15)	Asset identification number at which Oracle Assets begins automatic asset numbering
GL_APPLICATION_ID	NOT NULL	NUMBER(15)	Application identification number for general ledger
FA_APPLICATION_ID	NOT NULL	NUMBER(15)	Application identification number for Oracle Assets
LOCATION_FLEX_STRUCTURE	NOT NULL	NUMBER(15)	Structure used for location flexfield
CATEGORY_FLEX_STRUCTURE	NOT NULL	NUMBER(15)	Structure used for the asset category flexfield
ASSET_KEY_FLEX_STRUCTURE	NOT NULL	NUMBER(15)	Structure used for the asset key flexfield
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_MASS_ADDITIONS	NULL	NUMBER(15)	Identifies the most recent concurrent request for the mass additions create process
LAST_MASS_ADDITIONS_POST	NULL	NUMBER(15)	Identifies the most recent concurrent request for the mass addition post process
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment

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*Column Descriptions (Continued)*

Name	Null?	Type	Description
ATTRIBUTE_CATEGORY_CODE	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
GROUP_FLEX_STRUCTURE	NULL	NUMBER(15)	Reserved for system use. Do not use.
SUPER_GROUP_FLEX_STRUCTURE	NULL	NUMBER(15)	Reserved for system use. Do not use.
CUA_INHERITANCE_FLAG	NULL	VARCHAR2(3)	Reserved for system use. Do not use.

## FINANCIALS\_SYSTEM\_PARAMS\_ALL

FINANCIALS\_SYSTEM\_PARAMETERS\_ALL contains options and defaults you share between your Oracle Payables application, and your Oracle Purchasing and Oracle Assets applications. You can define these options and defaults according to the way you run your business. This table corresponds to the Financials Options window. There is only one row in this table. There is no primary key for this table.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AP_TERMS_TL	TERM_ID	TERMS_ID
FND_CURRENCIES	CURRENCY_CODE	INVOICE_CURRENCY_CODE
FND_CURRENCIES	CURRENCY_CODE	PAYMENT_CURRENCY_CODE
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ACCTS_PAY_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	PREPAY_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	DISC_TAKEN_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RES_ENCUMB_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RATE_VAR_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RATE_VAR_GAIN_CCID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RATE_VAR_LOSS_CCID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	FUTURE_DATED_PAYMENT_CCID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	EXPENSE_CLEARING_CCID
GL_ENCUMBRANCE_TYPES	ENCUMBRANCE_TYPE_ID	REQ_ENCUMBRANCE_TYPE_ID
GL_ENCUMBRANCE_TYPES	ENCUMBRANCE_TYPE_ID	PURCH_ENCUMBRANCE_TYPE_ID
GL_ENCUMBRANCE_TYPES	ENCUMBRANCE_TYPE_ID	INV_ENCUMBRANCE_TYPE_ID
GL_SETS_OF_BOOKS	SET_OF_BOOKS_ID	SET_OF_BOOKS_ID
HR_LOCATIONS_ALL	LOCATION_ID	BILL_TO_LOCATION_ID
HR_LOCATIONS_ALL	LOCATION_ID	SHIP_TO_LOCATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
MANUAL_VENDOR_NUM_TYPE	MANUAL VENDOR NUMBER	AP_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric number
	NUMERIC	Numeric number
MATCH_OPTION	MATCH_OPTION	AP_LOOKUP_CODES
	P	Match to Purchase Order
	R	Match to Receipt
PAYMENT_METHOD_LOOKUP_CODE	PAYMENT METHOD	AP_LOOKUP_CODES
	CHECK	Check
	CLEARING	Clearing
	EFT	Electronic
	WIRE	Wire
PAY_DATE_BASIS_LOOKUP_CODE	PAY DATE BASIS	AP_LOOKUP_CODES
	DISCOUNT	Pay on discount date
	DUE	Pay on due date
TERMS_DATE_BASIS	TERMS DATE BASIS	AP_LOOKUP_CODES
	Current	Current date
	Goods Received	Goods received date
	Invoice	Invoice date
	Invoice Received	Invoice received date

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*QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
USER_DEFINED_VENDOR_NUM_CODE	VENDOR NUMBER ENTRY	AP_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers
EXPENSE_CHECK_ADDRESS_FLAG	HOME_OFFICE	FND_COMMON_LOOKUPS
	H	Home
	O	Office
FOB_LOOKUP_CODE	FOB	AR_LOOKUPS

*Column Descriptions*

Name	Null?	Type	Description
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
SET_OF_BOOKS_ID	NOT NULL	NUMBER(15)	Set of books identifier
PAYMENT_METHOD_LOOKUP_CODE	NOT NULL	VARCHAR2(25)	Payment method default used during supplier entry
USER_DEFINED_VENDOR_NUM_CODE	NULL	VARCHAR2(25)	Method of entering supplier numbers
VENDOR_NUM_START_NUM	NULL	NUMBER	Next automatic supplier number (Oracle Payables applications update as you enter suppliers)
SHIP_TO_LOCATION_ID	NULL	NUMBER(15)	Ship-to location identifier, default used during supplier entry
BILL_TO_LOCATION_ID	NULL	NUMBER(15)	Bill-to location identifier, default used during supplier entry
SHIP_VIA_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of shipping method, default used during supplier entry
FOB_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of free on board, default used during supplier entry
TERMS_ID	NULL	NUMBER(15)	Payment terms identifier, default used during supplier entry
ALWAYS_TAKE_DISC_FLAG	NULL	VARCHAR2(1)	Flag that indicates if available discount for a supplier will be taken, regardless of when the invoice is paid (Y or N), default used during supplier entry
PAY_DATE_BASIS_LOOKUP_CODE	NULL	VARCHAR2(25)	Basis Oracle Payables applications use for selecting invoices for payment (DUE or DISCOUNT), default used during supplier entry
INVOICE_CURRENCY_CODE	NULL	VARCHAR2(15)	Currency code for invoices, default used during supplier entry
PAYMENT_CURRENCY_CODE	NULL	VARCHAR2(15)	Currency code for payments, default used during supplier entry
ACCTS_PAY_CODE_COMBINATION_ID	NULL	NUMBER(15)	Accounting Flexfield identifier for the accounts payable liability account, default used during supplier entry
PREPAY_CODE_COMBINATION_ID	NULL	NUMBER(15)	Accounting Flexfield identifier for the prepayment account, default used during supplier entry

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Column Descriptions (Continued)

Name	Null?	Type	Description
DISC_TAKEN_CODE_COMBINATION_ID	NULL	NUMBER(15)	Accounting Flexfield identifier for the discount taken account
FUTURE_PERIOD_LIMIT	NULL	NUMBER(3)	Maximum number of future periods allowed
RESERVE_AT_COMPLETION_FLAG	NULL	VARCHAR2(1)	Flag that indicates if Oracle Purchasing creates an encumbrance journal entry when a requisition is entered (Y) or when the requisition is approved (N)
RES_ENCUMB_CODE_COMBINATION_ID	NULL	NUMBER(15)	Accounting Flexfield identifier for the reserve for encumbrance account
REQ_ENCUMBRANCE_FLAG	NULL	VARCHAR2(1)	Flag that indicates if Oracle Purchasing will create an encumbrance journal entry when a purchase requisition is created (Y or N)
REQ_ENCUMBRANCE_TYPE_ID	NULL	NUMBER(15)	Requisition encumbrance type identifier
PURCH_ENCUMBRANCE_FLAG	NULL	VARCHAR2(1)	Flag that indicates if Oracle Purchasing will create an encumbrance journal entry when a purchase order is created
PURCH_ENCUMBRANCE_TYPE_ID	NULL	NUMBER(15)	Purchase order encumbrance type identifier
INV_ENCUMBRANCE_TYPE_ID	NULL	NUMBER(15)	Identifier for encumbrance type assigned to invoice encumbrances
MANUAL_VENDOR_NUM_TYPE	NULL	VARCHAR2(25)	Type of supplier number Oracle Payables uses for either automatic or manual supplier number entry
INVENTORY_ORGANIZATION_ID	NULL	NUMBER(15)	Inventory organization identifier
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER(15)	Standard Who column
FREIGHT_TERMS_LOOKUP_CODE	NULL	VARCHAR2(25)	Freight terms
RFQ_ONLY_SITE_FLAG	NULL	VARCHAR2(1)	Flag that indicates if supplier site is a RFQ only site
RECEIPT_ACCEPTANCE_DAYS	NULL	NUMBER(15)	Number of days in receipt acceptance period
BUSINESS_GROUP_ID	NULL	NUMBER(15)	Business group identifier associated with Oracle Purchasing
EXPENSE_CHECK_ADDRESS_FLAG	NULL	VARCHAR2(30)	Employee address for expense checks (H for home or O for office), default used during employee entry
TERMS_DATE_BASIS	NULL	VARCHAR2(25)	Date Oracle Payables uses together with payment terms and invoice amount to create an invoice scheduled payment, default used during supplier entry
USE_POSITIONS_FLAG	NULL	VARCHAR2(1)	Flag that indicates whether you use approval hierarchies that are based on the positions you define for employees
RATE_VAR_CODE_COMBINATION_ID	NULL	NUMBER(15)	Not used
HOLD_UNMATCHED_INVOICES_FLAG	NULL	VARCHAR2(1)	Default Hold Unmatched Invoices value for supplier (Y or N)

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Column Descriptions (Continued)

Name	Null?	Type	Description
EXCLUSIVE_PAYMENT_FLAG	NULL	VARCHAR2(1)	Default Pay Alone value for suppliers; defaults from supplier to invoices for supplier
REVISION_SORT_ORDERING	NULL	NUMBER	Not used
VAT_REGISTRATION_NUM	NULL	VARCHAR2(20)	Value-Added Tax registration number for your organization
VAT_COUNTRY_CODE	NULL	VARCHAR2(15)	European Union (EU) member state for your organization
RATE_VAR_GAIN_CCID	NULL	NUMBER(15)	Accounting Flexfield identifier for account used to record exchange rate gains for invoices matched to purchase orders
RATE_VAR_LOSS_CCID	NULL	NUMBER(15)	Accounting Flexfield identifier for account used to record exchange rate losses for invoices matched to purchase orders
ORG_ID	NULL	NUMBER(15)	Organization identifier
BANK_CHARGE_BEARER	NULL	VARCHAR2(1)	Bank charge bearer
VAT_CODE	NULL	VARCHAR2(15)	Value-added tax code
MATCH_OPTION	NULL	VARCHAR2(25)	Flag to indicate whether to match invoices to purchase orders (P) or receipts (R)
NON_RECOVERABLE_TAX_FLAG	NULL	VARCHAR2(1)	Y or N indicates if non-recoverable tax is enabled or disabled in the system
TAX_ROUNDING_RULE	NULL	VARCHAR2(30)	Default rounding rule for tax calculation (Up, Down, Nearest)
PRECISION	NULL	NUMBER(1)	Precision. Used for Automatic Tax Calculation
MINIMUM_ACCOUNTABLE_UNIT	NULL	NUMBER	Minimum accountable unit. Used for Automatic Tax Calculation
DEFAULT_RECOVERY_RATE	NULL	NUMBER	Default recovery rate for tax codes. Only used if partially recoverable tax is enabled
CASH_BASIS_ENC_NR_TAX	NULL	VARCHAR2(30)	Flag that indicates if the recoverable portion of tax should be encumbered in the Cash set of books (Y or N)
FUTURE_DATED_PAYMENT_CCID	NULL	NUMBER(15)	Accounting Flexfield identifier for future dated payment account default for Suppliers and Bank accounts
EXPENSE_CLEARING_CCID	NULL	NUMBER(15)	

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## GL\_CODE\_COMBINATIONS

GL\_CODE\_COMBINATIONS stores valid account combinations for each Accounting Flexfield structure within your Oracle General Ledger application. Associated with each account are certain codes and flags, including whether the account is enabled, whether detail posting or detail budgeting is allowed, and others.

Segment values are stored in the SEGMENT columns. Note that each Accounting Flexfield structure may use different SEGMENT columns within the table to store the flexfield value combination. Moreover, the SEGMENT columns that are used are not guaranteed to be in any order.

The Oracle Application Object Library table FND\_ID\_FLEX\_SEGMENTS stores information about which column in this table is used for each segment of each Accounting Flexfield structure. Summary accounts have SUMMARY\_FLAG = 'Y' and TEMPLATE\_ID not NULL. Detail accounts have SUMMARY\_FLAG = 'N' and TEMPLATE\_ID NULL.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_ID_FLEX_STRUCTURES	ID_FLEX_NUM	CHART_OF_ACCOUNTS_ID
GL_SUMMARY_TEMPLATES	TEMPLATE_ID	TEMPLATE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACCOUNT_TYPE	ACCOUNT TYPE	GL_LOOKUPS
	A	A
	E	E
	L	L
	O	O
DETAIL_BUDGETING_ALLOWED_FLAG	R	R
	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes
DETAIL_POSTING_ALLOWED_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes
ENABLED_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes
PRESERVE_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes
REFRESH_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes

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# *QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
SUMMARY_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes

## *Column Descriptions*

Name	Null?	Type	Description
CODE_COMBINATION_ID (PK)	NOT NULL	NUMBER(15)	Key flexfield combination defining column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CHART_OF_ACCOUNTS_ID	NOT NULL	NUMBER(15)	Key flexfield structure defining column
DETAIL_POSTING_ALLOWED_FLAG	NOT NULL	VARCHAR2(1)	Detail posting flag
DETAIL_BUDGETING_ALLOWED_FLAG	NOT NULL	VARCHAR2(1)	Detail budgeting flag
ACCOUNT_TYPE	NOT NULL	VARCHAR2(1)	Key flexfield combination type (Asset, Liability, etc)
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Key flexfield enabled flag
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Summary account flag
SEGMENT1	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT2	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT3	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT4	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT5	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT6	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT7	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT8	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT9	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT10	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT11	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT12	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT13	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT14	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT15	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT16	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT17	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT18	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT19	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT20	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT21	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT22	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT23	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT24	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT25	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT26	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT27	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT28	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT29	NULL	VARCHAR2(25)	Key flexfield segment
SEGMENT30	NULL	VARCHAR2(25)	Key flexfield segment
DESCRIPTION	NULL	VARCHAR2(240)	Key flexfield description
TEMPLATE_ID	NULL	NUMBER(15)	Summary template defining column
ALLOCATION_CREATE_FLAG	NULL	VARCHAR2(1)	Not currently used
START_DATE_ACTIVE	NULL	DATE	Date before which key flexfield combination is invalid

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Column Descriptions (Continued)

Name	Null?	Type	Description
END_DATE_ACTIVE	NULL	DATE	Date after which key flexfield combination is invalid
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
CONTEXT	NULL	VARCHAR2(150)	Descriptive flex context column
SEGMENT_ATTRIBUTE1	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE2	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE3	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE4	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE5	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE6	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE7	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE8	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE9	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE10	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE11	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE12	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE13	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE14	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE15	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE16	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE17	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE18	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE19	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE20	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE21	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE22	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE23	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
SEGMENT_ATTRIBUTE24	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE25	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE26	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE27	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE28	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE29	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE30	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE31	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE32	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE33	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE34	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE35	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE36	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE37	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE38	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE39	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE40	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE41	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
SEGMENT_ATTRIBUTE42	NULL	VARCHAR2(60)	Reporting attribute key flexfield segment
REFERENCE1	NULL	VARCHAR2(1)	Reserved for localization use
REFERENCE2	NULL	VARCHAR2(1)	Reserved for localization use
REFERENCE3	NULL	VARCHAR2(1)	Reserved for localization use
REFERENCE4	NULL	VARCHAR2(1)	Reserved for localization use
REFERENCE5	NULL	VARCHAR2(1)	Reserved for localization use
JGZZ_RECON_FLAG	NULL	VARCHAR2(1)	Global reconciliation descriptive flexfield segment
JGZZ_RECON_CONTEXT	NULL	VARCHAR2(30)	Global reconciliation descriptive flexfield context column
PRESERVE_FLAG	NULL	VARCHAR2(1)	Preserve segment value attributes flag
REFRESH_FLAG	NULL	VARCHAR2(1)	Refresh segment value attributes flag
IGI_BALANCED_BUDGET_FLAG	NULL	VARCHAR2(1)	Balance budget enforcement flag

Indexes

Index Name	Index Type	Sequence	Column Name
GL_CODE_COMBINATIONS_N31	NOT UNIQUE	1	TEMPLATE_ID
GL_CODE_COMBINATIONS_U1	UNIQUE	1	CODE_COMBINATION_ID

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Sequences

Sequence	Derived Column
GL_CODE_COMBINATIONS_S	CODE_COMBINATION_ID

## GL\_SETS\_OF\_BOOKS

GL\_SETS\_OF\_BOOKS stores information about the sets of books you define in your Oracle General Ledger application. Each row includes the set of books name, description, functional currency, and other information. This table corresponds to the Set of Books form.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_CURRENCIES	CURRENCY_CODE	CURRENCY_CODE
FND_ID_FLEX_STRUCTURES	ID_FLEX_NUM	CHART_OF_ACCOUNTS_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	CUM_TRANS_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RET_EARN_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RES_ENCUMB_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	NET_INCOME_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ROUNDING_CODE_COMBINATION_ID
GL_DAILY_CONVERSION_TYPES	CONVERSION_TYPE	DAILY_TRANSLATION_RATE_TYPE
GL_PERIOD_SETS	PERIOD_SET_NAME	PERIOD_SET_NAME
GL_PERIOD_TYPES	PERIOD_TYPE	ACCOUNTED_PERIOD_TYPE
GL_TRANSACTION_CALENDAR	TRANSACTION_CALENDAR_ID	TRANSACTION_CALENDAR_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ALLOW_INTERCOMPANY_POST_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
CONSOLIDATION_SOB_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
ENABLE_AUTOMATIC_TAX_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
ENABLE_AVERAGE_BALANCES_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
ENABLE_BUDGETARY_CONTROL_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
ENABLE_JE_APPROVAL_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
REQUIRE_BUDGET_JOURNALS_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
SUSPENSE_ALLOWED_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
TRACK_ROUNDING_IMBALANCE_FLAG	YES/NO N Y	GL_LOOKUPS No Yes
TRANSLATE_EOD_FLAG	YES/NO	GL_LOOKUPS

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	N	No
	Y	Yes
TRANSLATE_QATD_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes
TRANSLATE_YATD_FLAG	YES/NO	GL_LOOKUPS
	N	No
	Y	Yes

Column Descriptions

Name	Null?	Type	Description
SET_OF_BOOKS_ID (PK)	NOT NULL	NUMBER(15)	Accounting books defining column
NAME	NOT NULL	VARCHAR2(30)	Accounting books name
SHORT_NAME	NOT NULL	VARCHAR2(20)	Accounting books short name
CHART_OF_ACCOUNTS_ID	NOT NULL	NUMBER(15)	Key flexfield structure defining column
CURRENCY_CODE	NOT NULL	VARCHAR2(15)	Currency
PERIOD_SET_NAME	NOT NULL	VARCHAR2(15)	Accounting calendar name
ACCOUNTED_PERIOD_TYPE	NOT NULL	VARCHAR2(15)	Accounting period type
SUSPENSE_ALLOWED_FLAG	NOT NULL	VARCHAR2(1)	Suspense posting allowed flag
ALLOW_INTERCOMPANY_POST_FLAG	NOT NULL	VARCHAR2(1)	Allow intercompany posting
TRACK_ROUNDING_IMBALANCE_FLAG	NOT NULL	VARCHAR2(1)	Track rounding imbalances flag
ENABLE_AVERAGE_BALANCES_FLAG	NOT NULL	VARCHAR2(1)	Enable average balances flag
ENABLE_BUDGETARY_CONTROL_FLAG	NOT NULL	VARCHAR2(1)	Enable budgetary control flag
REQUIRE_BUDGET_JOURNALS_FLAG	NOT NULL	VARCHAR2(1)	Journal required for budget flag
ENABLE_JE_APPROVAL_FLAG	NOT NULL	VARCHAR2(1)	Enable journal entry approval flag
ENABLE_AUTOMATIC_TAX_FLAG	NOT NULL	VARCHAR2(1)	Enable automatic tax flag
CONSOLIDATION SOB_FLAG	NOT NULL	VARCHAR2(1)	Consolidation set of books flag
TRANSLATE_EOD_FLAG	NOT NULL	VARCHAR2(1)	Translate EOD balances flag
TRANSLATE_QATD_FLAG	NOT NULL	VARCHAR2(1)	Translated QATD balances flag
TRANSLATE_YATD_FLAG	NOT NULL	VARCHAR2(1)	Translate YATD balances flag
MRC SOB_TYPE_CODE	NOT NULL	VARCHAR2(1)	MRC set of books type (Parent, Reporting, None)
ALLOW_POSTING_WARNING_FLAG	NOT NULL	VARCHAR2(1)	No longer used - (defaults to 'N')
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
FUTURE_ENTERABLE_PERIODS_LIMIT	NULL	NUMBER(15)	Number of future enterable periods
LATEST_OPENED_PERIOD_NAME	NULL	VARCHAR2(15)	Latest opened accounting period
LATEST_ENCUMBRANCE_YEAR	NULL	NUMBER(15)	Latest open year for encumbrances
RET_EARN_CODE_COMBINATION_ID	NULL	NUMBER(15)	Retained earnings key flexfield defining column
CUM_TRANS_CODE_COMBINATION_ID	NULL	NUMBER(15)	Cumulative translation adjustment key flexfield defining column
RES_ENCUMB_CODE_COMBINATION_ID	NOT NULL	NUMBER(15)	Reserve for encumbrance key flexfield defining column

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# Column Descriptions (Continued)

Name	Null?	Type	Description
NET_INCOME_CODE_COMBINATION_ID	NULL	NUMBER(15)	Net income key flexfield defining column
ROUNDING_CODE_COMBINATION_ID	NULL	NUMBER(15)	Rounding imbalances key flexfield defining column
TRANSACTION_CALENDAR_ID	NULL	NUMBER(15)	Transaction Calendar defining column
DAILY_TRANSLATION_RATE_TYPE	NULL	VARCHAR2(30)	The rate type to be used for translation of average balances
EARLIEST_UNTRANS_PERIOD_NAME	NULL	VARCHAR2(15)	No longer used
DESCRIPTION	NULL	VARCHAR2(240)	Accounting books description
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
CONTEXT	NULL	VARCHAR2(150)	Descriptive flexfield context
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality

## Indexes

Index Name	Index Type	Sequence	Column Name
GL_SETS_OF_BOOKS_U1	UNIQUE	1	NAME
GL_SETS_OF_BOOKS_U2	UNIQUE	1	SET_OF_BOOKS_ID

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Sequences

Sequence	Derived Column
GL_SETS_OF_BOOKS_S	SET_OF_BOOKS_ID

## HR\_ALL\_ORGANIZATION\_UNITS

HR\_ORGANIZATION\_UNITS holds the definitions that identify business groups and the organization units within a single business group. Additional information about classifications and information types for each organization is held in HR\_ORGANIZATION\_INFORMATION.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	BUSINESS_GROUP_ID
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	SOFT_CODING_KEYFLEX_ID
HR_LOCATIONS_ALL	LOCATION_ID	LOCATION_ID
PAY_COST_ALLOCATION_KEYFLEX	COST_ALLOCATION_KEYFLEX_ID	COST_ALLOCATION_KEYFLEX_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
INTERNAL_EXTERNAL_FLAG	INTL_EXTL EXT INT	FND_COMMON_LOOKUPS External Internal
TYPE	ORG_TYPE	FND_COMMON_LOOKUPS

### Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER(15)	System-generated primary key column.
BUSINESS_GROUP_ID	NOT NULL	NUMBER(15)	Foreign key to HR_ORGANIZATION_UNITS.
COST_ALLOCATION_KEYFLEX_ID	NULL	NUMBER(9)	Foreign key to PAY_COST_ALLOCATION_KEYFLEX.
LOCATION_ID	NULL	NUMBER(15)	Foreign key to HR_LOCATIONS. Default work site location for all assignments to this organization.
SOFT_CODING_KEYFLEX_ID	NULL	NUMBER(15)	Foreign key to HR_SOFT_CODING_KEYFLEX.
DATE_FROM	NOT NULL	DATE	Start date of the organization.
NAME	NOT NULL	VARCHAR2(60)	Name of the organization.
COMMENTS	NULL	LONG	General remark.
DATE_TO	NULL	DATE	End date of the organization.
INTERNAL_EXTERNAL_FLAG	NULL	VARCHAR2(30)	Identifies whether the organization is treated as an employment unit within the business group.
INTERNAL_ADDRESS_LINE	NULL	VARCHAR2(80)	Internal address line.
TYPE	NULL	VARCHAR2(30)	User-defined organization types, for example Region, Division, Department.
REQUEST_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column.
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield column.

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# Column Descriptions (Continued)

Name	Null?	Type	Description
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.
LAST_UPDATE_DATE	NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column.
CREATED_BY	NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NULL	DATE	Standard Who column.
OBJECT_VERSION_NUMBER	NULL	NUMBER(9)	

## Indexes

Index Name	Index Type	Sequence	Column Name
HR_ORGANIZATION_UNITS_FK1	NOT UNIQUE	1	BUSINESS_GROUP_ID
HR_ORGANIZATION_UNITS_FK2	NOT UNIQUE	1	COST_ALLOCATION_KEYFLEX_ID
HR_ORGANIZATION_UNITS_FK3	NOT UNIQUE	1	LOCATION_ID
HR_ORGANIZATION_UNITS_FK4	NOT UNIQUE	1	SOFT_CODING_KEYFLEX_ID
HR_ORGANIZATION_UNITS_PK	UNIQUE	1	ORGANIZATION_ID
HR_ORGANIZATION_UNITS_UK2	UNIQUE	1	NAME
		2	BUSINESS_GROUP_ID

## Sequences

Sequence	Derived Column
HR_ORGANIZATION_UNITS_S	ORGANIZATION_ID

## HR\_ORGANIZATION\_INFORMATION

HR\_ORGANIZATION\_INFORMATION is used to hold two distinct sets of organization information. When ORG\_INFORMATION\_CONTEXT is set to CLASS this table acts as an intersection table between organizations and organization classifications. ORGANIZATION\_ID identifies the organization and ORG\_INFORMATION1 holds the organization classification name. This information is maintained by the organization classifications block of the Organization form. When ORG\_INFORMATION\_CONTEXT is set to an information type held in HR\_ORG\_INFORMATION\_TYPES the ORG\_INFORMATION1–20 columns hold details for the specific information type. This information is maintained by a predefined protected descriptive flexfield. (Org Developer DF.)

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	ORGANIZATION_ID
HR_ORG_INFORMATION_TYPES	ORG_INFORMATION_TYPE	ORG_INFORMATION_CONTEXT

### Column Descriptions

Name	Null?	Type	Description
ORG_INFORMATION_ID (PK)	NOT NULL	NUMBER	Developer descriptive flexfield column.
ORG_INFORMATION_CONTEXT	NOT NULL	VARCHAR2(40)	Developer descriptive flexfield column.
ORGANIZATION_ID	NOT NULL	NUMBER(15)	Foreign key to HR_ORGANIZATION_UNITS.
ORG_INFORMATION1	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION10	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION11	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION12	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION13	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION14	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION15	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION16	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION17	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION18	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION19	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION2	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION20	NULL	VARCHAR2(150)	Developer descriptive flexfield column.

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# Column Descriptions (Continued)

Name	Null?	Type	Description
ORG_INFORMATION3	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION4	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION5	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION6	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION7	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION8	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
ORG_INFORMATION9	NULL	VARCHAR2(150)	Developer descriptive flexfield column.
REQUEST_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_ID	NULL	NUMBER(15)	Standard Who column.
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column.
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.
LAST_UPDATE_DATE	NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column.
CREATED_BY	NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NULL	DATE	Standard Who column.
OBJECT_VERSION_NUMBER	NULL	NUMBER(9)	

## Indexes

Index Name	Index Type	Sequence	Column Name
HR_ORGANIZATION_INFORMATIO_FK1	NOT UNIQUE	1	ORG_INFORMATION_CONTEXT
HR_ORGANIZATION_INFORMATIO_FK2	NOT UNIQUE	1	ORGANIZATION_ID
HR_ORGANIZATION_INFORMATIO_IX1	NOT UNIQUE	5	ORG_INFORMATION1
HR_ORGANIZATION_INFORMATIO_PK	UNIQUE	1	ORG_INFORMATION_ID

Sequences

Sequence	Derived Column
HR_ORGANIZATION_INFORMATION_S	ORG_INFORMATION_ID

Database Triggers

Trigger Name : HR\_ORG\_INFO\_BRI  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : INSERT

This trigger will create a security profile when an organization is defined as a business group. The security profile ID is stored in HR\_ORGANIZATION\_INFORMATION.ORG\_INFORMATION14

Trigger Name : HR\_ORG\_INFO\_ARI  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : INSERT

This trigger inserts Business Group information when an Organization is defined as a business group.



# MRP\_DESIGNATORS

MRP\_DESIGNATORS stores MRP plan names. A plan name uniquely identifies an MRP Plan. This table is populated by the Define MRP Names form.

## Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

## QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
FEEDBACK_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PRODUCTION	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

## Column Descriptions

Name	Null?	Type	Description
COMPILE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(50)	Designator description
DISABLE_DATE	NULL	DATE	Designator disable date
FEEDBACK_FLAG	NOT NULL	NUMBER	Perform feedback
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
USE_NEW_PLANNER	NULL	NUMBER	Use new planner code

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Column Descriptions (Continued)

Name	Null?	Type	Description
ORGANIZATION_SELECTION	NULL	NUMBER	Organization Selection
DRP_PLAN	NULL	NUMBER	DRP plan
PRODUCTION	NULL	NUMBER	Production flag for auto release

Indexes

Index Name	Index Type	Sequence	Column Name
MRP_DESIGNATORS_U1	UNIQUE	1	COMPILE_DESIGNATOR
		2	ORGANIZATION_ID

## MRP\_PLANS

MRP\_PLANS stores the settings that determine the behavior of the planning process for a given plan name. Each row stores information for a particular plan name.

There are two sets of columns for a given setting. The columns that begin with "CURR" store the current value for that setting, or the value that will be used the next time the plan is run. The corresponding columns that do not begin with "CURR" store the setting that was used the last time the plan was run. The values are copied from the first set of columns to the second set during the Snapshot and Planner processes.

The columns CURRENT\_PLANNER\_LEVEL and PLANNER\_BATCH\_NUMBER are used by the Planner to coordinate the planning of items by the Planner Workers running in parallel.

This table is populated by the Launch Planning Process form.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_ASSIGNMENT_SETS	ASSIGNMENT_SET_ID	ASSIGNMENT_SET_ID
MRP_DESIGNATORS	COMPILE_DESIGNATOR ORGANIZATION_ID	COMPILE_DESIGNATOR ORGANIZATION_ID
MRP_SCHEDULE_DESIGNATORS	SCHEDULE_DESIGNATOR ORGANIZATION_ID	CURR_SCHEDULE_DESIGNATOR ORGANIZATION_ID
MRP_SCHEDULE_DESIGNATORS	SCHEDULE_DESIGNATOR ORGANIZATION_ID	SCHEDULE_DESIGNATOR ORGANIZATION_ID
MRP_SCHEDULE_DESIGNATORS	ORGANIZATION_ID SCHEDULE_DESIGNATOR	ORGANIZATION_ID COMPILE_DESIGNATOR

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
APPEND_PLANNED_ORDERS	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
CONSIDER_PO	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
CONSIDER_RESERVATIONS	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
CONSIDER_WIP	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
CURR_APPEND_PLANNED_ORDERS	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
CURR_CONSIDER_PO	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
CURR_CONSIDER_RESERVATIONS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_CONSIDER_WIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_DEMAND_TIME_FENCE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_FULL_PEGGING	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_OPERATION_SCHEDULE_TYPE	MRP_OPERATION	MFG_LOOKUPS
	1	Operation start date
	2	Order start date
CURR_OVERWRITE_OPTION	MRP_PLAN_OVERWRITE	MFG_LOOKUPS
	1	All
	2	Outside planning time fence
	3	None
CURR_PART_INCLUDE_TYPE	MRP_PART_INCLUDE_TYPE	MFG_LOOKUPS
	1	All planned items
	2	MDS/MPS components only
	3	MDS/MPS and WIP components only
CURR_PLANNING_TIME_FENCE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_PLAN_SAFETY_STOCK	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_PLAN_TYPE	MRP_PLAN_TYPE	MFG_LOOKUPS
	1	MRP
	2	MPS
	3	DRP
CURR_RESCHED_ASSUMPTION	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_SCHEDULE_TYPE	MRP_SCHEDULE_TYPE	MFG_LOOKUPS
	1	MDS - master demand schedule
	2	MPS - master production schedule
CURR_SNAPSHOT_LOCK	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_SOFT_SUGGESTION_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CURR_TIME_FENCE_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
DEMAND_TIME_FENCE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
FULL_PEGGING	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
OPERATION_SCHEDULE_TYPE	MRP_OPERATION	MFG_LOOKUPS
	1	Operation start date
	2	Order start date
OVERWRITE_OPTION	MRP_PLAN_OVERWRITE	MFG_LOOKUPS
	1	All
	2	Outside planning time fence
	3	None
PART_INCLUDE_TYPE	MRP_PART_INCLUDE_TYPE	MFG_LOOKUPS
	1	All planned items
	2	MDS/MPS components only
	3	MDS/MPS and WIP components only
PLANNING_TIME_FENCE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PLAN_SAFETY_STOCK	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PLAN_TYPE	MRP_PLAN_TYPE	MFG_LOOKUPS
	1	MRP
	2	MPS
	3	DRP
RESCHED_ASSUMPTION	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SCHEDULE_TYPE	MRP_SCHEDULE_TYPE	MFG_LOOKUPS
	1	MDS - master demand schedule
	2	MPS - master production schedule
SNAPSHOT_LOCK	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SOFT_SUGGESTION_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
TIME_FENCE_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
UPDATE_BOM	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
USE_NEW_PLANNER	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

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## Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
COMPILE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
CURR_SCHEDULE_DESIGNATOR	NULL	VARCHAR2(10)	Current schedule designator code
CURR_OPERATION_SCHEDULE_TYPE	NOT NULL	NUMBER	Current lead time offset type
CURR_PLAN_TYPE	NOT NULL	NUMBER	Current planning type code (MRP or MPS)
CURR_OVERWRITE_OPTION	NOT NULL	NUMBER	Current value of whether to overwrite the existing plan
CURR_APPEND_PLANNED_ORDERS	NOT NULL	NUMBER	Current value of whether or not to append planned orders at the end of the plan
CURR_SCHEDULE_TYPE	NULL	NUMBER	Current schedule type
CURR_CUTOFF_DATE	NOT NULL	DATE	Current cutoff date
CURR_PART_INCLUDE_TYPE	NOT NULL	NUMBER	Current include all parts on only msed
CURR_PLANNING_TIME_FENCE_FLAG	NOT NULL	NUMBER	Current consider planning time fences
CURR_DEMAND_TIME_FENCE_FLAG	NOT NULL	NUMBER	Current consider demand time fences
CURR_CONSIDER_RESERVATIONS	NOT NULL	NUMBER	Current plan material reservations
CURR_PLAN_SAFETY_STOCK	NOT NULL	NUMBER	Current plan safety stock
CURR_CONSIDER_WIP	NOT NULL	NUMBER	Current consider work in process
CURR_CONSIDER_PO	NOT NULL	NUMBER	Current consider purchase orders
CURR_SNAPSHOT_LOCK	NOT NULL	NUMBER	Current value of the flag that determines whether the Snapshot tries to lock tables
COMPILE_DEFINITION_DATE	NOT NULL	DATE	Compile definition date
SCHEDULE_DESIGNATOR	NULL	VARCHAR2(10)	Master schedule identifier
OPERATION_SCHEDULE_TYPE	NULL	NUMBER	Lead time offset type
PLAN_TYPE	NULL	NUMBER	Planning type code (MRP or MPS)
OVERWRITE_OPTION	NULL	NUMBER	Whether to overwrite the existing plan
APPEND_PLANNED_ORDERS	NULL	NUMBER	Whether or not to append planned orders at the the end of the plan
SCHEDULE_TYPE	NULL	NUMBER	Schedule type
CUTOFF_DATE	NULL	DATE	Cutoff date
PART_INCLUDE_TYPE	NULL	NUMBER	Include all parts on only msed
PLANNING_TIME_FENCE_FLAG	NULL	NUMBER	Consider planning time fences
DEMAND_TIME_FENCE_FLAG	NULL	NUMBER	Consider demand time fences
CONSIDER_RESERVATIONS	NULL	NUMBER	Plan material reservations
PLAN_SAFETY_STOCK	NULL	NUMBER	Plan safety stock
CONSIDER_WIP	NULL	NUMBER	Consider work in process
CONSIDER_PO	NULL	NUMBER	Consider purchase orders
SNAPSHOT_LOCK	NULL	NUMBER	Flag to determine whether the Snapshot should try to lock tables
EXPLOSION_START_DATE	NULL	DATE	Explosion start date and time

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Column Descriptions (Continued)

Name	Null?	Type	Description
EXPLOSION_COMPLETION_DATE	NULL	DATE	Explosion completion date and time
DATA_START_DATE	NULL	DATE	Data snapshot start date and time
DATA_COMPLETION_DATE	NULL	DATE	Data snapshot completion date and time
PLAN_START_DATE	NULL	DATE	Planner start date and time
CRP_PLAN_COMPLETION_DATE	NULL	DATE	CRP planner completion date and time
PLAN_COMPLETION_DATE	NULL	DATE	Planner completion date and time
CRP_PLAN_START_DATE	NULL	DATE	CRP planner start date and time
CURRENT_PLANNER_LEVEL	NULL	NUMBER	Level currently being planned by the MRP Planner Workers
PLANNER_BATCH_NUMBER	NULL	NUMBER	Batch number currently being planned by the Planner Workers
DESCRIPTION	NULL	VARCHAR2(50)	Compile description
UPDATE_BOM	NULL	NUMBER	Should the Snapshot update the MRP_PENDING_ENG_CHANGES and operation offset % information (Internal use only)
DEMAND_CLASS	NULL	VARCHAR2(30)	Demand class
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
CURR_RESCHED_ASSUMPTION	NULL	NUMBER	Not currently used
RESCHED_ASSUMPTION	NULL	NUMBER	Not currently used
CURR_USER_PLAN_START_DATE	NULL	DATE	Not currently used
USER_PLAN_START_DATE	NULL	DATE	Not currently used
ONLINE_PLANNER_START_DATE	NULL	DATE	Not currently used
ONLINE_PLANNER_COMPLETION_DATE	NULL	DATE	Not currently used
USE_NEW_PLANNER	NULL	NUMBER	Not currently used
CURR_FULL_PEGGING	NULL	NUMBER	
FULL_PEGGING	NULL	NUMBER	Not currently used
ASSIGNMENT_SET_ID	NULL	NUMBER	Not currently used
CURR_ASSIGNMENT_SET_ID	NULL	NUMBER	Not currently used
ORGANIZATION_SELECTION	NULL	NUMBER	Organization Selection
CURR_RESERVATION_LEVEL	NULL	NUMBER	Current value of reservation level

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Column Descriptions (Continued)

Name	Null?	Type	Description
CURR_HARD_PEGGING_LEVEL	NULL	NUMBER	Current value of hard pegging level
RESERVATION_LEVEL	NULL	NUMBER	Plan level option which indicates at what level MRP will reserve supply against demand
HARD_PEGGING_LEVEL	NULL	NUMBER	Plan level option that determines the pegging granularity of planned orders
CURR_PLAN_CAPACITY_FLAG	NULL	NUMBER	Current value of plan capacity flag
CURR_SIMULATION_SET	NULL	VARCHAR2(10)	Current simulation set identifier
CURR_BILL_OF_RESOURCES	NULL	VARCHAR2(10)	Current Bill of resource code
PLAN_CAPACITY_FLAG	NULL	NUMBER	Flag to indicate whether to plan capacity requirements
SIMULATION_SET	NULL	VARCHAR2(10)	Simulation set identifier
BILL_OF_RESOURCES	NULL	VARCHAR2(10)	Bill of resource code
MIN_WF_EXCEPT_ID	NULL	NUMBER	Minimum exception ID
MAX_WF_EXCEPT_ID	NULL	NUMBER	Maximum exception ID

Indexes

Index Name	Index Type	Sequence	Column Name
MRP_PLANS_U1	UNIQUE	1	COMPILE_DESIGNATOR
		2	ORGANIZATION_ID



## MRP\_SYSTEM\_ITEMS

MRP\_SYSTEM\_ITEMS stores a copy of items planned by the planning process. Most of the columns in MRP\_SYSTEM\_ITEMS correspond to columns from the Oracle Inventory item master table, MTL\_SYSTEM\_ITEMS.

LOW\_LEVEL\_CODE stores the low level code of the item. This is used to determine the order in which items are planned during the planning process (see MRP\_LOW\_LEVEL\_CODES for details).

Lead time is stored in several columns. The static leadtime, which is based upon the lead time lot size and calculated by the lead time rollup, is stored in the columns PREPROCESSING\_LEAD\_TIME, POSTPROCESSING\_LEAD\_TIME and FULL\_LEAD\_TIME. The lead time rollup also calculates CUMULATIVE\_TOTAL\_LEAD\_TIME and CUM\_MANUFACTURING\_LEAD\_TIME.

PLAN\_MAKE\_BUY\_CODE determines whether the planning process will plan this item as a purchased item or a manufactured item.

The columns PLAN\_START\_DATE, PLAN\_COMPLETION\_DATE, PLANNER\_BATCH\_NUMBER and PLANNER\_STATUS\_FLAG are used internally by the Planner to coordinate the planning of items done by multiple Planner Workers running in parallel.

The column INVENTORY\_USE\_UP\_DATE is the date that the planning process will exhaust current nettable inventories, based on projected gross requirements.

This table is populated by the Snapshot, and is used by the Planner. This table is derived mainly from MTL\_SYSTEM\_ITEMS.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_PLANNING_EXCEPTION_SETS	EXCEPTION_SET_NAME	PLANNING_EXCEPTION_SET
	ORGANIZATION_ID	ORGANIZATION_ID
MRP_PLAN_ORGANIZATIONS	PLANNED_ORGANIZATION	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
MRP_SYSTEM_ITEMS	INVENTORY_ITEM_ID	BASE_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
MTL_ABC_CLASSES	ABC_CLASS_ID	ABC_CLASS
MTL_CATEGORIES_B	CATEGORY_ID	CATEGORY_ID
MTL_ITEM_REVISIONS	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	REVISION	REVISION
MTL_PLANNERS	PLANNER_CODE	PLANNER_CODE
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	UOM_CODE
PO_AGENTS	AGENT_ID	BUYER_ID

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# QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ATO_FORECAST_CONTROL	MRP_ATO_FORECAST_CONTROL	MFG_LOOKUPS
	1	Consume
	2	Consume and derive
	3	None
BOM_ITEM_TYPE	BOM_ITEM_TYPE	MFG_LOOKUPS
	1	Model
	2	Option class
	3	Planning
	4	Standard
BUILD_IN_WIP_FLAG	SYS_YES_NO	Product Family
		MFG_LOOKUPS
		Yes
CALCULATE_ATP	SYS_YES_NO	No
		MFG_LOOKUPS
END_ASSEMBLY_PEGGING	SYS_YES_NO	Yes
		No
		MFG_LOOKUPS
ENGINEERING_ITEM_FLAG	SYS_YES_NO	Yes
		No
		MFG_LOOKUPS
INVENTORY_PLANNING_CODE	MTL_MATERIAL_PLANNING	Reorder point planning
		Min-max planning
		Not planned
		MFG_LOOKUPS
INVENTORY_TYPE	MTL_INVENTORY_TYPES	Inventory part numbers
		Supply items
		Publications
		Disposable tools
		Nondisposable tools
		Machines
		Engineering items
		Indirect items
IN_SOURCE_PLAN	SYS_YES_NO	MFG_LOOKUPS
		Yes
LOT_CONTROL_CODE	MTL_LOT_CONTROL	No
		Full lot control
		MFG_LOOKUPS
MINMAX_ORDER_TYPE	MTL_MINMAX_ORDER	Fixed order quantity
		Variable quantity
		MFG_LOOKUPS
MRP_PLANNING_CODE	MRP_PLANNING_CODE	MRP planning
		MPS planning
		Not planned
		MRP and DRP planning
		MPS and DRP planning
		DRP planning

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
ORIENTATION_TYPE	MTL_ITEM_ORIENTATION	MFG_LOOKUPS
	1	Manufactured inventory item
	2	Purchased inventory item
	3	Manufactured and purchased item
	4	Inter-organization transfer
PLANNER_STATUS_CODE	MRP_INTERFACE_PROCESS_TYPE	MFG_LOOKUPS
	1	Do not process
	2	Waiting to be processed
	3	Being processed
	4	Error
PLANNING_MAKE_BUY_CODE	MTL_PLANNING_MAKE_BUY	MFG_LOOKUPS
	1	Make
	2	Buy
PURCHASING_ENABLED_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
REPETITIVE_TYPE	MRP_YES_NO_REVERSED	MFG_LOOKUPS
	1	No
	2	Yes
ROUNDING_CONTROL_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SAFETY_STOCK_CODE	MTL_SAFETY_STOCK	MFG_LOOKUPS
	1	User-defined quantity
	2	User-defined percentage
	3	Mean absolute deviation (MAD)
WIP_CONTROL_TYPE	MTL_WIP_CONTROL	MFG_LOOKUPS
	1	Standard inventory item
	2	Purchased assembly
	3	Phantom assembly
	4	Standard assembly
	5	Bulk-unplanned-costed
	6	Bulk-unplanned-uncosted
	7	Bulk-planned-costed
	8	Bulk-planned-uncosted
	9	Ref-unplanned-uncosted

Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
COMPILE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
IN_SOURCE_PLAN	NULL	NUMBER	Whether the item is planned in the source plan or not
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
INVENTORY_TYPE	NOT NULL	NUMBER	Inventory type code
MRP_PLANNING_CODE	NOT NULL	NUMBER	Item MPS schedule type code
INVENTORY_PLANNING_CODE	NOT NULL	NUMBER	Inventory planning code
LOW_LEVEL_CODE	NOT NULL	NUMBER	Inventory item identifier low level code
PREPROCESSING_LEAD_TIME	NULL	NUMBER	Preprocessing lead time
POSTPROCESSING_LEAD_TIME	NULL	NUMBER	Postprocessing lead time
FULL_LEAD_TIME	NOT NULL	NUMBER	Full lead time
CUMULATIVE_TOTAL_LEAD_TIME	NULL	NUMBER	Cumulative total lead time
CUM_MANUFACTURING_LEAD_TIME	NULL	NUMBER	Cumulative manufacturing lead time
FIXED_LEAD_TIME	NULL	NUMBER	The fixed portion of lead time
VARIABLE_LEAD_TIME	NULL	NUMBER	The variable portion of lead time
UOM_CODE	NOT NULL	VARCHAR2(3)	Unit of measure code
BUILD_IN_WIP_FLAG	NOT NULL	NUMBER	Flag to indicate if this item can be built in WIP
PURCHASING_ENABLED_FLAG	NOT NULL	NUMBER	Purchasing enabled flag
PLANNING_MAKE_BUY_CODE	NOT NULL	NUMBER	Plan this item as either a make item or a buy item
REPETITIVE_TYPE	NOT NULL	NUMBER	Is this item built repetitively?
STANDARD_COST	NULL	NUMBER	Standard cost
LOT_CONTROL_CODE	NOT NULL	NUMBER	Lot control code
ROUNDING_CONTROL_TYPE	NOT NULL	NUMBER	Order rounding control type code
CALCULATE_ATP	NOT NULL	NUMBER	Calculate ATP when planning this part
END_ASSEMBLY_PEGGING	NOT NULL	NUMBER	Peg to the end assembly on reports
NETTABLE_INVENTORY_QUANTITY	NOT NULL	NUMBER	Nettable inventory quantity on hand
NONNETTABLE_INVENTORY_QUANTITY	NOT NULL	NUMBER	Nonnettable inventory quantity on hand
ENGINEERING_ITEM_FLAG	NOT NULL	NUMBER	Engineering item flag
WIP_SUPPLY_TYPE	NULL	NUMBER	WIP supply type
OVERRUN_PERCENTAGE	NULL	NUMBER	Repetitive overrun percentage
ACCEPTABLE_RATE_INCREASE	NULL	NUMBER	Acceptable rate increase
ACCEPTABLE_RATE_DECREASE	NULL	NUMBER	Acceptable rate decrease
SAFETY_STOCK_CODE	NOT NULL	NUMBER	Safety stock code
SAFETY_STOCK_PERCENT	NULL	NUMBER	Percent for dynamically calculated safety stock
SAFETY_STOCK_BUCKET_DAYS	NULL	NUMBER	Days over which to average demand for MRP Planned Safety Stock Percent
SAFETY_STOCK_QUANTITY	NULL	NUMBER	Safety stock quantity
PLAN_LAST_REVISION_DATE	NULL	DATE	Last plan revision date
DESCRIPTION	NULL	VARCHAR2(240)	Inventory item identifier description
CATEGORY_ID	NULL	NUMBER	Category id for the planning category set
BUYER_ID	NULL	NUMBER(9)	Buyer identifier
BUYER_NAME	NULL	VARCHAR2(240)	Buyer Name
PLANNER_CODE	NULL	VARCHAR2(10)	Planner code
ABC_CLASS	NULL	NUMBER	Inventory item identifier ABC class
REVISION	NULL	VARCHAR2(3)	Item revision
FIXED_DAYS_SUPPLY	NULL	NUMBER	Fixed days supply

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Column Descriptions (Continued)

Name	Null?	Type	Description
FIXED_ORDER_QUANTITY	NULL	NUMBER	Fixed order quantity
FIXED_LOT_MULTIPLIER	NULL	NUMBER	Fixed lot multiplier
MINIMUM_ORDER_QUANTITY	NULL	NUMBER	Minimum order quantity
MAXIMUM_ORDER_QUANTITY	NULL	NUMBER	Maximum order quantity
PLANNING_TIME_FENCE_DAYS	NULL	NUMBER	Planning time fence days
PLANNING_TIME_FENCE_DATE	NULL	DATE	Planning time fence date
DEMAND_TIME_FENCE_DAYS	NULL	NUMBER	Demand time fence days
INVENTORY_USE_UP_DATE	NULL	DATE	The date that inventory will be exhausted based upon projected gross requirements
ACCEPTABLE_EARLY_DELIVERY	NULL	NUMBER	Acceptable early days delivery
PLANNER_BATCH_NUMBER	NULL	NUMBER	Batch identifier for use by the Planner
PLANNER_STATUS_CODE	NULL	NUMBER	Status of the item for the Planner
PLAN_START_DATE	NULL	DATE	Date planning of this item was started
PLAN_COMPLETION_DATE	NULL	DATE	Date planning for this item was completed
SHRINKAGE_RATE	NULL	NUMBER	Expected loss due to scrap
PLANNING_EXCEPTION_SET	NULL	VARCHAR2(10)	Planning exception set to use to generate exception messages
EXCESS_QUANTITY	NULL	NUMBER	Excess quantity
REPETITIVE_VARIANCE	NULL	NUMBER	Repetitive variance
EXCEPTION_SHORTAGE_DAYS	NULL	NUMBER	Exception shortage days
EXCEPTION_EXCESS_DAYS	NULL	NUMBER	Exception excess days
EXCEPTION_REP_VARIANCE_DAYS	NULL	NUMBER	Exception repetitive variance days
EXCEPTION_OVERPROMISED_DAYS	NULL	NUMBER	Exception overpromised days
BASE_ITEM_ID	NULL	NUMBER	Base model for this configuration
BOM_ITEM_TYPE	NULL	NUMBER	Bom item type
ATO_FORECAST_CONTROL	NULL	NUMBER	Forecast control
EXCEPTION_CODE	NULL	VARCHAR2(5)	Exception message code (internal use only)
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
PRIMARY_VENDOR_ID	NULL	NUMBER	Primary supplier identifier
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
DEMAND_TIME_FENCE_DATE	NULL	DATE	Demand time fence date
FULL_PEGGING	NULL	NUMBER	Not currently used
ORGANIZATION_CODE	NULL	VARCHAR2(3)	Organization code
EFFECTIVITY_CONTROL	NULL	NUMBER	

Indexes

Index Name	Index Type	Sequence	Column Name
MRP_SYSTEM_ITEMS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	COMPILE_DESIGNATOR
		3	LOW_LEVEL_CODE
		4	PLANNER_BATCH_NUMBER
MRP_SYSTEM_ITEMS_N2	NOT UNIQUE	1	PLANNER_CODE
		2	COMPILE_DESIGNATOR
		3	ORGANIZATION_ID
		4	INVENTORY_ITEM_ID
MRP_SYSTEM_ITEMS_U1	UNIQUE	1	ORGANIZATION_ID
		2	COMPILE_DESIGNATOR
		3	INVENTORY_ITEM_ID

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## MTL\_CATEGORIES\_B

MTL\_CATEGORIES\_B is the code combinations table for item categories. Items are grouped into categories within the context of a category set to provide flexible grouping schemes.

The item category is a key flexfield with a flex code of MCAT. The flexfield structure identifier is also stored in this table to support the ability to define more than one flexfield structure (multi-flex).

Item categories now support multilingual category description. MLS is implemented with a pair of tables: MTL\_CATEGORIES\_B and MTL\_CATEGORIES\_TL. MTL\_CATEGORIES\_TL table holds translated Description for Categories.

### Column Descriptions

Name	Null?	Type	Description
CATEGORY_ID (PK)	NOT NULL	NUMBER	Category identifier
STRUCTURE_ID	NOT NULL	NUMBER	Flexfield structure identifier
DESCRIPTION	NULL	VARCHAR2(240)	Dummy column to accomodate kff view.
DISABLE_DATE	NULL	DATE	Disable date
SEGMENT1	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT2	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT3	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT4	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT5	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT6	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT7	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT8	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT9	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT10	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT11	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT12	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT13	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT14	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT15	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT16	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT17	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT18	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT19	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT20	NULL	VARCHAR2(40)	Key flexfield segment
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination includes a summary segment
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination is enabled
START_DATE_ACTIVE	NULL	DATE	Date segment combination becomes active
END_DATE_ACTIVE	NULL	DATE	Date segment combination becomes inactive

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# Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_CATEGORIES_B_N1	NOT UNIQUE	1	SEGMENT1
MTL_CATEGORIES_B_U1	UNIQUE	1	CATEGORY_ID

## Sequences

Sequence	Derived Column
MTL_CATEGORIES_B_S	CATEGORY_ID

## MTL\_CROSS\_REFERENCES

MTL\_CROSS\_REFERENCES is used to assign cross-references to items. The cross reference type code identifies the cross-referencing identification system being used. The cross-reference identifies the specific relationship between the item and the other identification system. This can include references to an old item identification scheme, to supplier item identification, etc. Each inventory item can be assigned any number of cross-references for any number of cross-reference types.

The ORG\_INDEPENDENT\_FLAG designates the cross-reference as being either organization independent or organization dependent. If the cross-reference is organization independent, then the cross-reference is valid across all the organizations to which the item is assigned. Otherwise, the cross reference holds only for the organization specified in the ORGANIZATION\_ID column.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_CROSS_REFERENCE_TYPES	CROSS_REFERENCE_TYPE	CROSS_REFERENCE_TYPE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ORG_INDEPENDENT_FLAG	YES_NO N Y	FND_LOOKUPS No Yes

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NULL	NUMBER	Organization identifier
CROSS_REFERENCE_TYPE (PK)	NOT NULL	VARCHAR2(25)	Cross reference type
CROSS_REFERENCE (PK)	NOT NULL	VARCHAR2(25)	Cross reference designator
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(240)	Cross reference description
ORG_INDEPENDENT_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating organization independence
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment

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# Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(150)	Descriptive flexfield structure defining column

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_CROSS_REFERENCES_N1	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	CROSS_REFERENCE_TYPE
		3	ORGANIZATION_ID
		4	CROSS_REFERENCE
MTL_CROSS_REFERENCES_U1	UNIQUE	1	CROSS_REFERENCE_TYPE
		2	CROSS_REFERENCE
		3	ORGANIZATION_ID
		4	INVENTORY_ITEM_ID

## MTL\_CROSS\_REFERENCE\_TYPES

MTL\_CROSS\_REFERENCE\_TYPES is used to define cross-reference types. The cross reference type provides context information for cross-referencing from an item to some other identification system that is relevant. This can include references to an old item identification scheme, to supplier item identifications, etc. Each inventory item can be assigned cross-references using any number of cross-reference types.

### Column Descriptions

Name	Null?	Type	Description
CROSS_REFERENCE_TYPE (PK)	NOT NULL	VARCHAR2(25)	Cross reference type
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(240)	Cross reference type description
DISABLE_DATE	NULL	DATE	Date on which the cross reference type can no longer be used
VALIDATE_FLAG	NULL	VARCHAR2(1)	Not currently used
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_CROSS_REFERENCE_TYPES_U1	UNIQUE	1	CROSS_REFERENCE_TYPE

## MTL\_DEFAULT\_CATEGORY\_SETS

MTL\_DEFAULT\_CATEGORY\_SETS stores the identifier of the category set that acts as the default for a particular functional area. This information is used to determine the mandatory category sets for an item. It is also used to provide a default category set for forms and reports that require a category set field value or parameter.

The category set for a given functional area is guaranteed to have a category assignment for each item defined for use by the functional area. For example, the category set for the Inventory functional area is mandatory (and defaults) for all items defined as Inventory items. This ensures that for a given functional area, there will be a category set that contains all of the items for that functional area.

Additionally, Oracle Inventory defaults the specified category set for a product's reports which use category information.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_CATEGORY_SETS_B	CATEGORY_SET_ID	CATEGORY_SET_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
FUNCTIONAL_AREA_ID	MTL_FUNCTIONAL_AREAS	MFG_LOOKUPS
	1	Inventory
	2	Purchasing
	3	Planning
	4	Service
	5	Cost
	6	Engineering
	7	Order Entry
	8	Product Line Accounting

### Column Descriptions

Name	Null?	Type	Description
FUNCTIONAL_AREA_ID (PK)	NOT NULL	NUMBER	Functional area identifier
CATEGORY_SET_ID (PK)	NOT NULL	NUMBER	Default category set identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_DEFAULT_CATEGORY_SETS_U1	UNIQUE	1	FUNCTIONAL_AREA_ID

## MTL\_DEMAND

This table stores demand and reservation information used in Available To Promise, Planning and other Manufacturing functions. There are three major row types stored in the table: Summary Demand rows, Open Demand Rows, and Reservation Rows.

Summary Demand is direct demand for an item within an organization on a particular date, which originated from a particular source. For hard reservations there are several columns which further define what the reservation is for, and where it is being placed. Currently, four sources of demand are supported, Sales Order, Account, Account Alias, and User Defined transaction sources. Five different types of demand, denoted by DEMAND\_TYPE column are used. These five types are Model, Option Class, Option Item, Configuration Item and Derived. Derived demand rows are inserted by BOM Demand exploder when demanded item has ATPable components. Each Summary Demand row may be associated with one or more Reservation rows. Reservation may be placed against a particular inventory control (ie, specific subinventory, locator, revision and lot) against any sources (ie, Account Number, Account Alias, Sales Order or even User-Defined sources). Each Summary Demand row may be associated with one or more detailed rows. The detailed rows consist of reservations and open demand. A reservation row represents a firm promise of a supply source. Currently, two types of reservation are supported, reservations to on-hand, and reservations to WIP jobs. Each summary demand row may be associated with one and only one open demand row. Open Demand rows represent the un-reserved portion of the the Summary Demand.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	COMPONENT_SEQUENCE_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	DEMAND_SOURCE_HEADER_ID
MTL_GENERIC_DISPOSITIONS	DISPOSITION_ID	DEMAND_SOURCE_HEADER_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID	LOCATOR_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_ITEM_REVISIONS	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	REVISION	REVISION
MTL_LOT_NUMBERS	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	LOT_NUMBER	LOT_NUMBER
MTL_SALES_ORDERS	SALES_ORDER_ID	DEMAND_SOURCE_HEADER_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SUBINVENTORY
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	DUPLICATED_CONFIG_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

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### Foreign Keys (Continued)

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_TXN_SOURCE_TYPES	TRANSACTION_SOURCE_TYPE_ID	DEMAND_SOURCE_TYPE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	UOM_CODE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ORDER_CHANGE_REPORT_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
RESERVATION_TYPE	MTL_RESERVATION	MFG_LOOKUPS
	1	Soft reservation
	2	Hard reservation
	3	Supply Order Reservation
UPDATED_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

### Column Descriptions

Name	Null?	Type	Description
DEMAND_ID	NOT NULL	NUMBER	Unique identifier of a demand row, from sequence MTL_DEMAND_S
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
DEMAND_SOURCE_TYPE (PK)	NOT NULL	NUMBER	Code to indicate the source of the demand
DEMAND_SOURCE_HEADER_ID (PK)	NOT NULL	NUMBER	Header ID for the source of the demand. For Sales order demand: MTL_SALES_ORDERS.SALES_ORDER_ID , For Account number: GL_CODE_COMBINATIONS.CODE_COMBINATION_ID, For Account Alias: MTL_GENERIC_DISPOSITIONS.DISPOSITION_ID
DEMAND_SOURCE_LINE (PK)	NULL	VARCHAR2(30)	Line id of demand source. For Sales Order demand this is: SO_LINES.LINE_ID
DEMAND_SOURCE_DELIVERY (PK)	NULL	VARCHAR2(30)	For Sales Order demand, Line id of Sales order line detail row (SO_LINE_DETAILS.LINE_DETAIL_ID)
DEMAND_SOURCE_NAME	NULL	VARCHAR2(30)	Identifier for user-defined Source Type
UOM_CODE	NOT NULL	VARCHAR2(3)	Unit of measure for LINE_ITEM_QUANTITY column
LINE_ITEM_QUANTITY	NOT NULL	NUMBER	Demand or reservation quantity expressed in units defined in UOM_CODE column
PRIMARY_UOM_QUANTITY	NOT NULL	NUMBER	Demanded or reserved quantity expressed in the item's primary unit of measure as defined in MTL_SYSTEM_ITEMS
LINE_ITEM_RESERVATION_QTY	NULL	NUMBER	Reserved quantity expressed in units defined in UOM_CODE column, Only populated for summary demand rows

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Column Descriptions (Continued)

Name	Null?	Type	Description
RESERVATION_QUANTITY	NULL	NUMBER	Total quantity reserved expressed in primary unit of measure. Only populated for summary and derived demand rows.
COMPLETED_QUANTITY	NOT NULL	NUMBER	Shipped quantity in primary unit of measure code.
REQUIREMENT_DATE	NOT NULL	DATE	Planned ship date for summary demand. Parent planned ship date - ATP_LEAD_TIME for derived demand
RESERVATION_TYPE	NOT NULL	NUMBER	Code for type of reservation
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
PARENT_DEMAND_ID	NULL	NUMBER	DEMAND_ID of parent (summary demand) for reservation and open demand rows. Null for summary and derived demand rows
EXTERNAL_SOURCE_CODE	NULL	VARCHAR2(30)	Used to document external sourced demand
EXTERNAL_SOURCE_LINE_ID	NULL	NUMBER	Used to document external sourced demand
USER_LINE_NUM	NULL	VARCHAR2(30)	User identifier of demand source. For sales order demand this is SO_LINES.LINE_NUMBER
USER_DELIVERY	NULL	VARCHAR2(30)	User identifier of demand source. For sales order demand it is taken from SO_LINES.LINE_NUMBER of the schedule line, used for display only
SCHEDULE_ID	NULL	NUMBER	(not currently used)
AUTODETAIL_GROUP_ID	NULL	NUMBER	ID used when calling the Autodetail process, not null if autodetail process is successful, only populated for hard reservation rows
SUPPLY_SOURCE_TYPE	NULL	NUMBER	Source of supply for reservation, only populated if reservation is not to on hand
SUPPLY_SOURCE_HEADER_ID	NULL	NUMBER	Header id of reservation supply source, for example if supply source is WIP then it is WIP_DISCRETE_JOBS.WIP_ENTITY_ID
SUPPLY_GROUP_ID	NULL	NUMBER	Used to group demand rows for automatic WIP job creation via the Load Final Assembly Orders program, reset to null after program completes
UPDATED_FLAG	NULL	NUMBER	Flag to indicate if row requires processing by MRP Forecast Consumption program, reset to 2 (No) after MRP processing

Column Descriptions (Continued)

Name	Null?	Type	Description
REVISION	NULL	VARCHAR2(3)	The item revision reserved, only populated for reservation rows that reference a specific revision
LOT_NUMBER	NULL	VARCHAR2(30)	The specific lot number reserved, only populated for reservation rows for a specific lot number
SERIAL_NUMBER	NULL	VARCHAR2(30)	(not currently used)
SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory demanded or reserved, can be populated for summary demand
LOCATOR_ID	NULL	NUMBER	Location identifier for reserved item
COMPONENT_SEQUENCE_ID (PK)	NULL	NUMBER	Id of BOM structure for demand associated with ATO Models. If DEMAND_TYPE is 1 (Model) then is BOM_BILL_OF_MATERIALS.BILL_SEQUENCE_ID if DEMAND_TYPE != 1 (Model) then is BOM_INVENTORY_COMPONENTS.COMPONENT_SEQUENCE_ID
PARENT_COMPONENT_SEQ_ID	NULL	NUMBER	MTL_DEMAND.COMPONENT_SEQUENCE_ID of parent in BOM structure
RTO_MODEL_SOURCE_LINE	NULL	VARCHAR2(30)	DEMAND_SOURCE_LINE of the Model demand row for all demand and reservation rows associated with an ATO Model demand row
RTO_PREVIOUS_QTY	NULL	NUMBER	The PRIMARY_UOM_QUANTITY the last time that the ATO Order Change "report" ran
CONFIG_STATUS	NULL	NUMBER	Code to indicate status of Configured item creation for ATO Model demand
AVAILABLE_TO_MRP	NULL	NUMBER	Flag to indicate if demand should be visible to MRP
AVAILABLE_TO_ATP	NULL	NUMBER	Flag to indicate if demand should be visible to ATP
ESTIMATED_RELEASE_DATE	NULL	DATE	Requirement date - Assembly Lead time. This column is only populated for Configuration Items created by Link Configuration Item to Order (bmlcpb).
DEMAND_CLASS	NULL	VARCHAR2(30)	Demand class of the demand row
ROW_STATUS_FLAG	NULL	NUMBER(2)	used by the demand management functions to indicate the status of a row; 1 - Active; 2 - Complete
ORDER_CHANGE_REPORT_FLAG	NULL	NUMBER	Flag to indicate rows for ATO items that have changed after a configuration item has been created. The ATO Model Order Change report will select these rows and update to 2 (No)
ATP_LEAD_TIME	NULL	NUMBER(22)	Number of days earlier than the parent requirement data that a component must be available to allow for assembly of the parent.
EXPLOSION_EFFECTIVITY_DATE	NULL	DATE	Date used by BOM exploder when a fixed BOM structure as of a certain date is required

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Column Descriptions (Continued)

Name	Null?	Type	Description
BOM_LEVEL	NULL	NUMBER	Used by BOM exploder to store the level for the explosion process
MRP_DATE	NULL	DATE	Used/populated by MRP to get a read-consistent picture of the demand
MRP_QUANTITY	NULL	NUMBER	Used/populated by MRP to get a read-consistent picture of the demand
CUSTOMER_ID	NULL	NUMBER	Customer identifier associated with the demand, Used by MRP to consume forecast entries
TERRITORY_ID	NULL	NUMBER	Territory identifier associated with the demand, Used by MRP to consume forecast entries
BILL_TO_SITE_USE_ID	NULL	NUMBER	Bill to identifier associated with the demand, Used by MRP to consume forecast entries
SHIP_TO_SITE_USE_ID	NULL	NUMBER	Ship to identifier associated with the demand, Used by MRP to consume forecast entries
MASTER_RESERVATION_QTY	NULL	NUMBER	(not currently used)
DESCRIPTION	NULL	VARCHAR2(50)	(not currently used)
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
DEMAND_TYPE	NULL	NUMBER	Code for type of demand
DUPLICATED_CONFIG_ITEM_ID	NULL	NUMBER	INVENTORY_ITEM_ID of an existing configured item that was matched to the Model/Option choices associated with this ATO Model
DUPLICATED_CONFIG_DEMAND_ID	NULL	NUMBER	DEMAND_ID of an existing model row in MTL_DEMAND with an "identical" configuration, will cause linkage to the same configuration item for both models
EXPLOSION_GROUP_ID	NULL	NUMBER	Identifier passed to BOM exploder to identify row to explode
ORDERED_ITEM_ID	NULL	NUMBER	Item id of the top item that caused this demand or reservation to be placed
CONFIG_GROUP_ID	NULL	NUMBER	Configuration group id

# Column Descriptions (Continued)

Name	Null?	Type	Description
OPERATION_SEQ_NUM	NULL	NUMBER	Used by Create Configuration to store the operation number for the options and option classes
N_COLUMN1	NULL	NUMBER	

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_DEMAND_N1	NOT UNIQUE	1	DEMAND_SOURCE_TYPE
		2	DEMAND_SOURCE_HEADER_ID
		3	DEMAND_SOURCE_LINE
		4	DEMAND_SOURCE_DELIVERY
MTL_DEMAND_N10	NOT UNIQUE	2	INVENTORY_ITEM_ID
		8	ORGANIZATION_ID
		10	AVAILABLE_TO_MRP
		12	PARENT_DEMAND_ID
MTL_DEMAND_N11	NOT UNIQUE	5	N_COLUMN1
MTL_DEMAND_N12	NOT UNIQUE	5	INVENTORY_ITEM_ID
		10	ORGANIZATION_ID
		15	DEMAND_SOURCE_LINE
MTL_DEMAND_N13	NOT UNIQUE	5	DEMAND_SOURCE_LINE
MTL_DEMAND_N14	NOT UNIQUE	20	BILL_TO_SITE_USE_ID
		25	SHIP_TO_SITE_USE_ID
		30	CUSTOMER_ID
MTL_DEMAND_N2	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	ORGANIZATION_ID
		3	DEMAND_SOURCE_TYPE
		4	DEMAND_SOURCE_HEADER_ID
MTL_DEMAND_N3	NOT UNIQUE	1	UPDATED_FLAG
MTL_DEMAND_N4	NOT UNIQUE	1	RTO_MODEL_SOURCE_LINE
MTL_DEMAND_N5	NOT UNIQUE	1	SUPPLY_GROUP_ID
MTL_DEMAND_N6	NOT UNIQUE	1	EXPLOSION_GROUP_ID
MTL_DEMAND_N7	NOT UNIQUE	1	CONFIG_GROUP_ID
MTL_DEMAND_N8	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	ORGANIZATION_ID
		3	RESERVATION_TYPE
MTL_DEMAND_N9	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	ORGANIZATION_ID
		3	REQUIREMENT_DATE
MTL_DEMAND_U1	UNIQUE	1	DEMAND_ID

## Sequences

Sequence	Derived Column
MTL_DEMAND_S	DEMAND_ID
MTL_DEMAND_S	PARENT_DEMAND_ID

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## MTL\_DESCR\_ELEMENT\_VALUES

MTL\_DESCR\_ELEMENT\_VALUES stores the descriptive element values for a specific item. When an item is associated with a particular item catalog group, one row per descriptive element (for that catalog group) is inserted into this table. This table is then updated with the descriptive element values that the user specifies for the item. Descriptive element values are defined once (at the item master organization) for an item. An item may only be assigned to one item catalog group and will therefore only have descriptive elements for a single catalog group.

DEFAULT\_ELEMENT\_FLAG is used to indicate whether the descriptive element value is to be used in the item catalog description for this particular item. The initial value is defaulted from MTL\_DESCRIPTIVE\_ELEMENTS but may be changed when the item is assigned to the catalog group.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_DESCRIPTIVE_ELEMENTS	ELEMENT_NAME	ELEMENT_NAME
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
DEFAULT_ELEMENT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ELEMENT_NAME (PK)	NOT NULL	VARCHAR2(30)	Descriptive element name
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ELEMENT_VALUE	NULL	VARCHAR2(30)	Descriptive element value
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
DEFAULT_ELEMENT_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating element to be included in default item description
ELEMENT_SEQUENCE	NOT NULL	NUMBER	Element sequence number

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### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_DESCR_ELEMENT_VALUES_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	ELEMENT_NAME

## MTL\_ITEM\_CATEGORIES

MTL\_ITEM\_CATEGORIES stores inventory item assignments to categories within a category set. For each category assignment, this table stores the item, the category set, and the category. Items always may be assigned to multiple category sets. However, depending on the Multiple Assignments Allowed attribute value in a given category set definition, an item can be assigned to either many or only one category in that category set.

This table may be populated through the Master Items and Organization Items windows. It can also be populated by performing item assignments when a category set is defined. It is also populated when an item is transferred from engineering to manufacturing. The table may also be populated through the Item Category Open Interface.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_CATEGORY_SET_VALID_CATS	CATEGORY_ID CATEGORY_SET_ID	CATEGORY_ID CATEGORY_SET_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
CATEGORY_SET_ID (PK)	NOT NULL	NUMBER	Category set identifier
CATEGORY_ID	NOT NULL	NUMBER	Category identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
WH_UPDATE_DATE	NULL	DATE	Warehouse update date for tracking changes relevant to data collected in the Data Warehouse

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_CATEGORIES_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	CATEGORY_SET_ID
		3	CATEGORY_ID
MTL_ITEM_CATEGORIES_N2	NOT UNIQUE	2	WH_UPDATE_DATE
MTL_ITEM_CATEGORIES_N3	NOT UNIQUE	1	CATEGORY_ID
		2	ORGANIZATION_ID

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#### Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_CATEGORIES_U1	UNIQUE	1	ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		3	CATEGORY_SET_ID
		4	CATEGORY_ID

#### Database Triggers

Trigger Name : AX\_MTL\_ITEM\_CATEGORIES\_AR11  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : INSERT

This trigger captures information needed to create subledger accounting events when Oracle Inventory and the set of books used is defined as a subledger in the Global Accounting Engine application. This trigger maintains data in AX\_CATEGORY\_ACCOUNTS table. It ensures that no transactions are created without a subinventory. The trigger fires right after an item is assigned to a category.

Trigger Name : AX\_MTL\_ITEM\_CATEGORIES\_ARU1  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : UPDATE

This trigger captures information needed to create subledger accounting events when Oracle Inventory and the set of books used is defined as a subledger in the Global Accounting Engine application. This trigger maintains data in AX\_CATEGORY\_ACCOUNTS table. It ensures that no transactions are created without a subinventory. The trigger fires right after an item category assignment is changed.

## MTL\_ITEM\_LOCATIONS

MTL\_ITEM\_LOCATIONS is the definition table for stock locators. The associated attributes describe which subinventory this locator belongs to, what the locator physical capacity is, etc.

The locator is a key flexfield. The Flexfield Code is MTLL.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INVENTORY_ACCOUNT_ID
MTL_MATERIAL_STATUSES_B	STATUS_ID	STATUS_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	SUBINVENTORY_CODE ORGANIZATION_ID
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	LOCATION_WEIGHT_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	VOLUME_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	PICK_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	DIMENSION_UOM_CODE

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_LOCATION_ID (PK)	NOT NULL	NUMBER	Inventory locator identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(50)	Locator description
DESCRIPTIVE_TEXT	NULL	VARCHAR2(240)	Locator descriptive text
DISABLE_DATE	NULL	DATE	Disable date
INVENTORY_LOCATION_TYPE	NULL	NUMBER	(no longer used)
PICKING_ORDER	NULL	NUMBER	Picking order
PHYSICAL_LOCATION_CODE	NULL	VARCHAR2(10)	(no longer used)
LOCATION_MAXIMUM_UNITS	NULL	NUMBER	Locator maximum unit
SUBINVENTORY_CODE	NULL	VARCHAR2(10)	Subinventory name
LOCATION_WEIGHT_UOM_CODE	NULL	VARCHAR2(3)	Locator weight UOM code
MAX_WEIGHT	NULL	NUMBER	Locator maximum weight
VOLUME_UOM_CODE	NULL	VARCHAR2(3)	Locator volume UOM code
MAX_CUBIC_AREA	NULL	NUMBER	Locator maximum cubic area
X_COORDINATE	NULL	NUMBER	(no longer used)
Y_COORDINATE	NULL	NUMBER	(no longer used)
Z_COORDINATE	NULL	NUMBER	(no longer used)
INVENTORY_ACCOUNT_ID	NULL	NUMBER	(not currently used)
SEGMENT1	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT2	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT3	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT4	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT5	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT6	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT7	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT8	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT9	NULL	VARCHAR2(40)	Key flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
SEGMENT10	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT11	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT12	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT13	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT14	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT15	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT16	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT17	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT18	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT19	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT20	NULL	VARCHAR2(40)	Key flexfield segment
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination includes a summary segment
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination is enabled
START_DATE_ACTIVE	NULL	DATE	Date segment combination becomes active
END_DATE_ACTIVE	NULL	DATE	Date segment combination becomes inactive
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
PROJECT_ID	NULL	NUMBER(15)	Project identifier
TASK_ID	NULL	NUMBER(15)	Task identifier
PHYSICAL_LOCATION_ID	NULL	NUMBER(15)	Physical location identifier
PICK_UOM_CODE	NULL	VARCHAR2(3)	Unit of measure in which items are stored in locator
DIMENSION_UOM_CODE	NULL	VARCHAR2(3)	Unit of measure of physical dimensions - length, width and height
LENGTH	NULL	NUMBER	Length
WIDTH	NULL	NUMBER	Width
HEIGHT	NULL	NUMBER	Height
LOCATOR_STATUS	NULL	NUMBER	
STATUS_ID	NULL	NUMBER	Status Identifier - Used by WMS only
CURRENT_CUBIC_AREA	NULL	NUMBER	Current volume of item(s) in locator

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### Column Descriptions (Continued)

Name	Null?	Type	Description
AVAILABLE_CUBIC_AREA	NULL	NUMBER	Remaining volume capacity in locator
CURRENT_WEIGHT	NULL	NUMBER	Current weight of item(s) in locator
AVAILABLE_WEIGHT	NULL	NUMBER	Remaining weight capacity in locator
LOCATION_CURRENT_UNITS	NULL	NUMBER	Current number of units (items) in locator
LOCATION_AVAILABLE_UNITS	NULL	NUMBER	Remaining unit capacity in locator
INVENTORY_ITEM_ID	NULL	NUMBER	If not null, the only item that can be in locator
SUGGESTED_CUBIC_AREA	NULL	NUMBER	Suggested volume to be put into locator
SUGGESTED_WEIGHT	NULL	NUMBER	Suggested weight to be put into locator
LOCATION_SUGGESTED_UNITS	NULL	NUMBER	Suggested units to be put into locator

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_LOCATIONS_N1	NOT UNIQUE	1	SEGMENT1
MTL_ITEM_LOCATIONS_N2	NOT UNIQUE	1	SEGMENT2
MTL_ITEM_LOCATIONS_N3	NOT UNIQUE	1	SEGMENT3
MTL_ITEM_LOCATIONS_N4	NOT UNIQUE	5	ORGANIZATION_ID
MTL_ITEM_LOCATIONS_U1	UNIQUE	1	INVENTORY_LOCATION_ID
		2	ORGANIZATION_ID

### Sequences

Sequence	Derived Column
MTL_ITEM_LOCATIONS_S	INVENTORY_LOCATION_ID

### Database Triggers

Trigger Name : MTL\_ITEM\_LOCATIONS\_T  
 Trigger Time : BEFORE  
 Trigger Level : ROW  
 Trigger Event : INSERT

This trigger is executed during creation of a new locator. The values in SEGMENT19 and SEGMENT20 are copied into PROJECT\_ID and TASK\_ID columns respectively. SEGMENT19 and SEGMENT20 are reserved for Oracle Project Manufacturing to store the project and task segment values in the locator flexfield.

## MTL\_ITEM\_REVISIONS

MTL\_ITEM\_REVISIONS stores revision levels for an inventory item. When an item is defined a starting revision record is written out to this table, so every item will at least have one starting revision.

The presence of an engineering change notice code in this table indicates that the engineering system issued the revision through the implementation process. Along with the engineering change order, an implementation date and initiation date will be stored.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	CHANGE_NOTICE ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
REVISION (PK)	NOT NULL	VARCHAR2(3)	Item revision code
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NUL	NUMBER	Standard Who column
CHANGE_NOTICE	NUL	VARCHAR2(10)	Engineering change order number
ECN_INITIATION_DATE	NUL	DATE	ECO Initiation date
IMPLEMENTATION_DATE	NUL	DATE	ECO implementation date
IMPLEMENTED_SERIAL_NUMBER	NUL	VARCHAR2(30)	(No longer used)
EFFECTIVITY_DATE	NOT NUL	DATE	Revision effectivity date
ATTRIBUTE_CATEGORY	NUL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NUL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NUL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Revised item unique identifier
DESCRIPTION	NULL	VARCHAR2(240)	Item revision description (not currently used)

Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_REVISIONS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		3	EFFECTIVITY_DATE
MTL_ITEM_REVISIONS_U1	UNIQUE	1	ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		3	REVISION

## MTL\_ITEM\_STATUS

MTL\_ITEM\_STATUS is the definition table for material status codes. Status code is a required item attribute. It indicates the status of an item, i.e., Active, Pending, Obsolete.

The status optionally controls several 'function controlling' item attributes (status attributes) and can be used to disable the item from being used by the various application products.

The values of the individual status attributes associated with an item status are stored in MTL\_STATUS\_ATTRIBUTE\_VALUES.

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_STATUS_CODE (PK)	NOT NULL	VARCHAR2(10)	Item status code
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(240)	Status code description
DISABLE_DATE	NULL	DATE	Disable date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_STATUS_U1	UNIQUE	1	INVENTORY_ITEM_STATUS_CODE

## MTL\_ITEM\_SUB\_INVENTORIES

MTL\_ITEM\_SUB\_INVENTORIES maintains a listing of subinventories assigned to an inventory or engineering item.

These subinventories make up the list of valid subinventories when transacting this specific item and the user has specified (in the master window) that the item must use subinventories restricted to a pre-defined list.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_PARAMETERS	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SOURCE_SUBINVENTORY
	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SECONDARY_INVENTORY
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
INVENTORY_PLANNING_CODE	MTL_MATERIAL_PLANNING	MFG_LOOKUPS
	1	Reorder point planning
	2	Min-max planning
	6	Not planned
SOURCE_TYPE	MTL_SOURCE_TYPES	MFG_LOOKUPS
	1	Inventory
	2	Supplier

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
SECONDARY_INVENTORY (PK)	NOT NULL	VARCHAR2(10)	Subinventory name
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
PRIMARY_SUBINVENTORY_FLAG		NUMBER	Primary / secondary type code
PICKING_ORDER		NUMBER	Picking order
MIN_MINMAX_QUANTITY		NUMBER	Subinventory-level minmax planning minimum quantity
MAX_MINMAX_QUANTITY		NUMBER	Subinventory-level minmax planning maximum quantity
INVENTORY_PLANNING_CODE	NOT NULL	NUMBER	Item planning method
FIXED_LOT_MULTIPLE		NUMBER	Subinventory-level fixed lot multiple
MINIMUM_ORDER_QUANTITY		NUMBER	Subinventory-level minimum order quantity
MAXIMUM_ORDER_QUANTITY		NUMBER	Subinventory-level maximum order quantity

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# Column Descriptions (Continued)

Name	Null?	Type	Description
SOURCE_TYPE	NULL	NUMBER	Inventory or supplier source type
SOURCE_ORGANIZATION_ID	NULL	NUMBER	Organization to source items from
SOURCE_SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory to source items from
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
ENCUMBRANCE_ACCOUNT	NULL	NUMBER	Encumbrance account
PREPROCESSING_LEAD_TIME	NULL	NUMBER	Pre-processing lead time
PROCESSING_LEAD_TIME	NULL	NUMBER	Processing lead time
POSTPROCESSING_LEAD_TIME	NULL	NUMBER	Post-processing lead time

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_SUB_INVENTORIES_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	SECONDARY_INVENTORY
		3	ORGANIZATION_ID
MTL_ITEM_SUB_INVENTORIES_U2	UNIQUE	1	ORGANIZATION_ID
		2	SECONDARY_INVENTORY
		3	INVENTORY_ITEM_ID

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## MTL\_ONHAND\_QUANTITIES

MTL\_ONHAND\_QUANTITIES stores quantity on hand information by control level and location.

MTL\_ONHAND\_QUANTITIES is maintained as a stack of receipt records, which are consumed by issue transactions in FIFO order. The quantity on hand of an item at any particular control level and location can be found by summing TRANSACTION\_QUANTITY for all records that match the criteria. Note that any transactions which are committed to the table MTL\_MATERIAL\_TRANSACTIONS\_TEMP are considered to be played out as far as quantity on hand is concerned in Inventory transaction forms. All our Inquiry forms and ABC compile are only based on MTL\_ONHAND\_QUANTITIES.

MTL\_ONHAND\_QUANTITIES has two columns, CREATE\_TRANSACTION\_ID and UPDATE\_TRANSACTION\_IDs to join to MTL\_MATERIAL\_TRANSACTIONS.TRANSACTION\_ID the transactions that created the row and the transaction that last updated a row.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_COST_GROUPS	COST_GROUP_ID	COST_GROUP_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	LOCATOR_ID ORGANIZATION_ID
MTL_ITEM_REVISIONS	REVISION ORGANIZATION_ID INVENTORY_ITEM_ID	REVISION ORGANIZATION_ID INVENTORY_ITEM_ID
MTL_LOT_NUMBERS	LOT_NUMBER INVENTORY_ITEM_ID ORGANIZATION_ID	LOT_NUMBER INVENTORY_ITEM_ID ORGANIZATION_ID
MTL_MATERIAL_TRANSACTIONS	TRANSACTION_ID	CREATE_TRANSACTION_ID
MTL_MATERIAL_TRANSACTIONS	TRANSACTION_ID	UPDATE_TRANSACTION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	SUBINVENTORY_CODE ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
DATE_RECEIVED (PK)	NULL	DATE	Date received
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
TRANSACTION_QUANTITY	NOT NULL	NUMBER	Transaction quantity
SUBINVENTORY_CODE	NOT NULL	VARCHAR2(10)	Subinventory code
REVISION	NULL	VARCHAR2(3)	Item revision code
LOCATOR_ID	NULL	NUMBER	Locator identifier

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#### Column Descriptions (Continued)

Name	Null?	Type	Description
CREATE_TRANSACTION_ID	NULL	NUMBER	Transaction identifier of the transaction that created this row
UPDATE_TRANSACTION_ID	NULL	NUMBER	Transaction identifier of the transaction that last updated this row
LOT_NUMBER	NULL	VARCHAR2(30)	Lot number
ORIG_DATE_RECEIVED	NULL	DATE	
COST_GROUP_ID	NULL	NUMBER	Cost Group ID - Used by WMS only
CONTAINERIZED_FLAG	NULL	NUMBER	Containerized Flag
PROJECT_ID	NULL	NUMBER	Project Id (For future use)
TASK_ID	NULL	NUMBER	Task Id (For future use)

#### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ONHAND_QUANTITIES_N1	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	ORGANIZATION_ID
		3	SUBINVENTORY_CODE
MTL_ONHAND_QUANTITIES_N2	NOT UNIQUE	1	ORGANIZATION_ID
		2	SUBINVENTORY_CODE
		3	LOCATOR_ID
MTL_ONHAND_QUANTITIES_N3	NOT UNIQUE	1	ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		3	COST_GROUP_ID

#### Sequences

Sequence	Derived Column
MTL_MATERIAL_TRANSACTIONS_S	CREATE_TRANSACTION_ID
MTL_MATERIAL_TRANSACTIONS_S	UPDATE_TRANSACTION_ID



## MTL\_PARAMETERS

MTL\_PARAMETERS maintains a set of default options like general ledger accounts; locator, lot, and serial controls; inter-organization options; costing method; etc. for each organization defined in Oracle Inventory.

Each organization's item master organization (MASTER\_ORGANIZATION\_ID) and costing organization (COST\_ORGANIZATION\_ID) are maintained here.

You specify which manufacturing calendar the organization will use (CALENDAR\_CODE), as well as the set of exceptions to this calendar (CALENDAR\_EXCEPTION\_SET\_ID).

NEGATIVE\_INV\_RECEIPT\_CODE indicates whether this organization will allow negative balances in inventory. It is used in the transaction system to ensure, for example, that you do not over-issue a particular item (if you have indicated that negative balances are not allowed).

For lot number and serial number auto-generation, you can specify whether you want the numbers generated from defaults defined at the organization level or the item level (LOT\_NUMBER\_GENERATION, SERIAL\_NUMBER\_GENERATION). You can also specify uniqueness constraints for lot numbers (LOT\_NUMBER\_UNIQUENESS) and serial numbers (SERIAL\_NUMBER\_TYPE).

Among the accounting defaults that can be defined here are valuation accounts, receiving accounts, profit and loss accounts, and inter-organization transfer accounts.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDARS	CALENDAR_CODE	CALENDAR_CODE
BOM_EXCEPTION_SETS	EXCEPTION_SET_ID	CALENDAR_EXCEPTION_SET_ID
BOM_RESOURCES	RESOURCE_ID	DEFAULT_MATERIAL_COST_ID
CST_COST_GROUPS	COST_GROUP_ID	DEFAULT_COST_GROUP_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	AP_ACCRUAL_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	COST_OF_SALES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INTERORG_RECEIVABLES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INTERORG_PAYABLES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INTERORG_PRICE_VAR_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INTRANSIT_INV_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RESOURCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_OVERHEAD_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATL_OVHD_ABSORPTION_ACCT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OVERHEAD_ACCOUNT

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### Foreign Keys (Continued)

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OUTSIDE_PROCESSING_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	PURCHASE_PRICE_VAR_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ENCUMBRANCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INTERORG_TRANSFER_CR_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	INVOICE_PRICE_VAR_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	AVERAGE_COST_VAR_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	SALES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	EXPENSE_ACCOUNT
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_ATP_RULES	RULE_ID	DEFAULT_ATP_RULE_ID
MTL_PARAMETERS	ORGANIZATION_ID	MASTER_ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	COST_ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_PICKING_RULES	PICKING_RULE_ID	DEFAULT_PICKING_RULE_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SOURCE_SUBINVENTORY
	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	ORG_MAX_WEIGHT_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	ORG_MAX_VOLUME_UOM_CODE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
DEFAULT_DEMAND_CLASS	DEMAND_CLASS DEMAND_CL1 DEMAND_CL2 DEMAND_CL3	FND_COMMON_LOOKUPS Demand class 1 Demand class 2 Demand class 3
ENCUMBRANCE_REVERSAL_FLAG	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
GENERAL_LEDGER_UPDATE_CODE	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
LOT_NUMBER_GENERATION	MTL_LOT_GENERATION 1 2 3	MFG_LOOKUPS At organization level At item level User defined
LOT_NUMBER_UNIQUENESS	MTL_LOT_UNIQUENESS 1 2	MFG_LOOKUPS Unique for item No uniqueness control
LOT_NUMBER_ZERO_PADDING	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
MAINTAIN_FIFO_QTY_STACK_TYPE	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
MATL_INTERORG_TRANSFER_CODE	MTL_INTER_INV_TRANSFER 1 2 3 4	MFG_LOOKUPS No transfer charges Requested added value Requested percent of trans- action value Predefined percent of trans- action value

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
Negative_INV_RECEIPT_CODE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PRIMARY_COST_METHOD	MTL_PRIMARY_COST	MFG_LOOKUPS
	1	Standard
	2	Average
SERIAL_NUMBER_GENERATION	MTL_SERIAL_GENERATION	MFG_LOOKUPS
	1	At organization level
	2	At item level
SERIAL_NUMBER_TYPE	MTL_SERIAL_NUMBER_TYPE	MFG_LOOKUPS
	1	Unique within inventory items
	2	Unique within organization
	3	Unique across organizations
SOURCE_TYPE	MTL_SOURCE_TYPES	MFG_LOOKUPS
	1	Inventory
	2	Supplier
STOCK_LOCATOR_CONTROL_CODE	MTL_LOCATION_CONTROL	MFG_LOOKUPS
	1	No locator control
	2	Prespecified locator control
	3	Dynamic entry locator control
	4	Locator control determined at subinventory level
	5	Locator control determined at item level

Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ORGANIZATION_CODE	NULL	VARCHAR2(3)	Organization code
MASTER_ORGANIZATION_ID	NOT NULL	NUMBER	Item master organization identifier
PRIMARY_COST_METHOD	NOT NULL	NUMBER	Primary costing method
COST_ORGANIZATION_ID	NOT NULL	NUMBER	Cost organization identifier
DEFAULT_MATERIAL_COST_ID	NULL	NUMBER	Default material sub-element
CALENDAR_EXCEPTION_SET_ID	NULL	NUMBER	Calendar exception set
CALENDAR_CODE	NULL	VARCHAR2(10)	Manufacturing calendar
GENERAL_LEDGER_UPDATE_CODE	NOT NULL	NUMBER	General ledger update code
DEFAULT_ATP_RULE_ID	NULL	NUMBER	Default available to promise rule
DEFAULT_PICKING_RULE_ID	NULL	NUMBER	Default picking rule code
DEFAULT_LOCATOR_ORDER_VALUE	NULL	NUMBER	Default picking order of locators
DEFAULT_SUBINV_ORDER_VALUE	NULL	NUMBER	Default picking order for subinventories
Negative_INV_RECEIPT_CODE	NOT NULL	NUMBER	Indicates whether negative balances are allowed
STOCK_LOCATOR_CONTROL_CODE	NOT NULL	NUMBER	Stock locator control code

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Column Descriptions (Continued)

Name	Null?	Type	Description
MATERIAL_ACCOUNT	NULL	NUMBER	Inventory material account
MATERIAL_OVERHEAD_ACCOUNT	NULL	NUMBER	Inventory material overhead account
MATL_OVHD_ABSORPTION_ACCT	NULL	NUMBER	Material overhead absorption account
RESOURCE_ACCOUNT	NULL	NUMBER	Resource labor account
PURCHASE_PRICE_VAR_ACCOUNT	NULL	NUMBER	Purchase price variance account
AP_ACCRUAL_ACCOUNT	NULL	NUMBER	Accounts payable accrual account
OVERHEAD_ACCOUNT	NULL	NUMBER	Inventory overhead account
OUTSIDE_PROCESSING_ACCOUNT	NULL	NUMBER	Outside processing account
INTRANSIT_INV_ACCOUNT	NULL	NUMBER	Inter-organization transfer debit account
INTERORG_RECEIVABLES_ACCOUNT	NULL	NUMBER	Inter-organization receivables account
INTERORG_PRICE_VAR_ACCOUNT	NULL	NUMBER	Inter-organization price variance account
INTERORG_PAYABLES_ACCOUNT	NULL	NUMBER	Inter-organization payables account
COST_OF_SALES_ACCOUNT	NULL	NUMBER	Cost of sales account
ENCUMBRANCE_ACCOUNT	NULL	NUMBER	Encumbrance account
PROJECT_COST_ACCOUNT	NULL	NUMBER	Project Cost Account
INTERORG_TRANSFER_CR_ACCOUNT	NULL	NUMBER	Inter-organization transfer credit account
MATL_INTERORG_TRANSFER_CODE	NOT NULL	NUMBER	Material inter-organization transfer charge type
INTERORG_TRNSFR_CHARGE_PERCENT	NULL	NUMBER	Inter-organization transfer charge percent
SOURCE_ORGANIZATION_ID	NULL	NUMBER	Organization to source items from
SOURCE_SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory to source items from
SOURCE_TYPE	NULL	NUMBER	Inventory or supplier source type
ORG_MAX_WEIGHT	NULL	NUMBER	
ORG_MAX_WEIGHT_UOM_CODE	NULL	VARCHAR2(3)	
ORG_MAX_VOLUME	NULL	NUMBER	
ORG_MAX_VOLUME_UOM_CODE	NULL	VARCHAR2(3)	
SERIAL_NUMBER_TYPE	NULL	NUMBER	Serial number uniqueness control
AUTO_SERIAL_ALPHA_PREFIX	NULL	VARCHAR2(30)	Organization-level serial number prefix
START_AUTO_SERIAL_NUMBER	NULL	VARCHAR2(30)	Organization-level starting serial number
AUTO_LOT_ALPHA_PREFIX	NULL	VARCHAR2(30)	Organization-level prefix for lot numbers
LOT_NUMBER_UNIQUENESS	NOT NULL	NUMBER	Lot number uniqueness control
LOT_NUMBER_GENERATION	NOT NULL	NUMBER	Lot number generation control
LOT_NUMBER_ZERO_PADDING	NULL	NUMBER	Lot number padding control
LOT_NUMBER_LENGTH	NULL	NUMBER	Total lot number length
STARTING_REVISION	NOT NULL	VARCHAR2(3)	Default starting item revision
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
DEFAULT_DEMAND_CLASS	NULL	VARCHAR2(30)	Default demand class
ENCUMBRANCE_REVERSAL_FLAG	NULL	NUMBER	Reverse encumbrance flag
MAINTAIN_FIFO_QTY_STACK_TYPE	NULL	NUMBER	Maintain FIFO quantity stack
INVOICE_PRICE_VAR_ACCOUNT	NULL	NUMBER	Invoice price variance account
AVERAGE_COST_VAR_ACCOUNT	NULL	NUMBER	Average cost variance account
SALES_ACCOUNT	NULL	NUMBER	Sales account
EXPENSE_ACCOUNT	NULL	NUMBER	Expense account
SERIAL_NUMBER_GENERATION	NOT NULL	NUMBER	Serial number generation control
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Global descriptive flexfield structure defining column
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Global descriptive flexfield segment

Column Descriptions (Continued)

Name	Null?	Type	Description
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Global descriptive flexfield segment
MAT_OVHD_COST_TYPE_ID	NULL	NUMBER	Cost type that holds material overhead costs for an average costing organization
PROJECT_REFERENCE_ENABLED	NULL	NUMBER	Project Reference enabled flag that indicates whether project references are allowed in the organization or not
PM_COST_COLLECTION_ENABLED	NULL	NUMBER	Project Manufacturing Cost Collection Enabled flag that indicates whether costs will be collected for project references within the organization or not
PROJECT_CONTROL_LEVEL	NULL	NUMBER	Project Control Level that specifies whether project references are being tracked at the project or task level
AVG_RATES_COST_TYPE_ID	NULL	NUMBER	Average Rate Cost Type Identifier is used under average costing for resources and overhead rates
TXN_APPROVAL_TIMEOUT_PERIOD	NULL	NUMBER	Transfer Order Timeout Period
MO_SOURCE_REQUIRED	NULL	NUMBER	Flag indicating that a source location is required before a move order can be approved
MO_PICK_CONFIRM_REQUIRED	NULL	NUMBER	Flag indicating whether pick confirmation is required
MO_APPROVAL_TIMEOUT_ACTION	NULL	NUMBER	Action to perform when move order approval timeout period has expired
BORRPAY_MATL_VAR_ACCOUNT	NULL	NUMBER	Material valuation account
BORRPAY_MOH_VAR_ACCOUNT	NULL	NUMBER	Material overhead valuation account
BORRPAY_RES_VAR_ACCOUNT	NULL	NUMBER	Resource valuation account
BORRPAY_OSP_VAR_ACCOUNT	NULL	NUMBER	Outside processing valuation account
BORRPAY_OVH_VAR_ACCOUNT	NULL	NUMBER	Overhead valuation account
PROCESS_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Process Enabled inventory Organization
PROCESS_ORGN_CODE	NULL	VARCHAR2(4)	OPM Warehouse Organization Code Mapped to the Process Inventory Organization
WSM_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	WIP Shopfloor Management Organization
DEFAULT_COST_GROUP_ID	NOT NULL	NUMBER	Default Cost Group ID - used by WMS only
LPN_PREFIX	NULL	VARCHAR2(10)	LPN Prefix - used by WMS only
LPN_SUFFIX	NULL	VARCHAR2(10)	LPN Suffix - used by WMS only
LPN_STARTING_NUMBER	NULL	NUMBER	LPN Starting Number - used by WMS only
WMS_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	WMS (Warehouse Management System) Organization
PREGEN_PUTAWAY_TASKS_FLAG	NULL	NUMBER	used by WMS only
REGENERATION_INTERVAL	NULL	NUMBER	used by WMS only

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#### Column Descriptions (Continued)

Name	Null?	Type	Description
TIMEZONE_ID	NULL	NUMBER	
DEFAULT_WMS_PICKING_RULE_ID	NULL	NUMBER	Default picking rule for this organization - used by WMS only
DEFAULT_PUT_AWAY_RULE_ID	NULL	NUMBER	Default put away rule - used by WMS only
DEFAULT_TASK_ASSIGN_RULE_ID	NULL	NUMBER	Default task assignment rule - used by WMS only
DEFAULT_LABEL_COMP_RULE_ID	NULL	NUMBER	Default label printing rule - used by WMS only
DEFAULT_CARTON_RULE_ID	NULL	NUMBER	Default cartonization rule for this organization - used by WMS only
DEFAULT_CYC_COUNT_HEADER_ID	NULL	NUMBER	Default cycle count header for this organization - used by WMS only
CROSSDOCK_FLAG	NULL	NUMBER	Flag indicates whether crossdocking occurs by default for this organization - used by WMS only
CARTONIZATION_FLAG	NULL	NUMBER	Flag indicates whether cartonization occurs by default in this organization - used for WMS only
COST_CUTOFF_DATE	NULL	DATE	Cost Cutoff Date

#### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_PARAMETERS_N1	NOT UNIQUE	1	MASTER_ORGANIZATION_ID
MTL_PARAMETERS_U1	UNIQUE	1	ORGANIZATION_ID

#### Database Triggers

Trigger Name : AX\_MTL\_PARAMETERS\_ADI1  
 Trigger Time : AFTER  
 Trigger Level : ROW  
 Trigger Event : INSERT, DELETE

This trigger captures information needed to create subledger accounting events when Oracle Inventory and the set of books used is defined as a subledger in the Global Accounting Engine application. This trigger ensures that an ?INTRANS? subinventory exists for every inventory organizations. If it does not exist, the subinventory will be created in the table, MTL\_SECONDARY\_INVENTORY.

## MTL\_PENDING\_ITEM\_STATUS

MTL\_PENDING\_ITEM\_STATUS is used to define and store the history of the item statuses that have been or will be assigned to an item.

This table maintains the status history for each item. A row is inserted each time the item status attribute is changed.

This table also stores pending status information. Rows are created for each planned status change that will become effective on a future date.

PENDING\_FLAG identifies those status changes that are not yet in effect.

A periodic concurrent program picks up pending status changes on their effective date and updates the specified item and its status controlled attributes accordingly. The row then becomes a history row.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_ITEM_STATUS	INVENTORY_ITEM_STATUS_CODE	STATUS_CODE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
PENDING_FLAG	YES_NO N Y	FND_LOOKUPS No Yes

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
STATUS_CODE (PK)	NOT NULL	VARCHAR2(10)	Item status code
EFFECTIVE_DATE (PK)	NOT NULL	DATE	Status effectivity date
IMPLEMENTED_DATE	NULL	DATE	Status implementation date
PENDING_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether status is still pending
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

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### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_PENDING_ITEM_STATUS_N1	NOT UNIQUE	1	PENDING_FLAG
		2	EFFECTIVE_DATE
MTL_PENDING_ITEM_STATUS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	STATUS_CODE
		3	ORGANIZATION_ID
		4	EFFECTIVE_DATE

## MTL\_PICKING\_RULES

MTL\_PICKING\_RULES stores the pick criteria for each defined rule. The picking criteria consists of the selections of picking preferences regarding an item's revision, lot, subinventory and locator. A picking rule is chosen when performing picking.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
LOCATOR_RULE	MTL_LOCATOR_RULE	MFG_LOOKUPS
	2	Locator picking order
	3	Earliest receipt date
	4	No locator order
LOT_RULE	MTL_LOT_RULE	MFG_LOOKUPS
	1	Expiration date
	2	Receipt date
	3	Lot number
REVISION_RULE	MTL_REVISION_RULE	MFG_LOOKUPS
	1	Effective date
	2	Revision
	3	No revision order
SERIAL_NUMBER_RULE	MTL_SERIAL_NUMBER_RULE	MFG_LOOKUPS
	1	Serial number
	2	Receipt date
	3	No serial number order
SUBINVENTORY_RULE	MTL_SUBINVENTORY_RULE	MFG_LOOKUPS
	2	Subinventory picking order
	3	Earliest receipt date
	4	No subinventory order

### Column Descriptions

Name	Null?	Type	Description
PICKING_RULE_ID (PK)	NOT NULL	NUMBER	Picking rule identifier
PICKING_RULE_NAME	NOT NULL	VARCHAR2(30)	Name for picking rule
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REVISION_RULE	NULL	NUMBER	Rule code for revision
LOT_RULE	NULL	NUMBER	Rule code for lot
SERIAL_NUMBER_RULE	NULL	NUMBER	Rule code for serial number
SUBINVENTORY_RULE	NULL	NUMBER	Rule code for subinventory
LOCATOR_RULE	NULL	NUMBER	Rule code for locator
DESCRIPTION	NULL	VARCHAR2(50)	Description of picking rule
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

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Indexes

Index Name	Index Type	Sequence	Column Name
MTL_PICKING_RULES_U1	UNIQUE	1	PICKING_RULE_ID

Sequences

Sequence	Derived Column
MTL_PICKING_RULES_S	PICKING_RULE_ID

## MTL\_RELATED\_ITEMS

MTL\_RELATED\_ITEMS stores the relationships between items. All relationships are defined within the item master organization. Item relationships may be used to search for related and substitute items. Items defined with a substitute relationship to a given item may be received in place of the ordered item when substitutes are allowed.

RELATIONSHIP\_TYPE\_ID indicates whether the relationship is a 'Substitute' or 'Related' relationship.

RECIPROCAL\_FLAG indicates whether the relationship is reciprocal. Defining the relationship as reciprocal has the same effect as defining two separate relationships.

The view, MTL\_RELATED\_ITEMS\_VIEW, explodes the reciprocal relationships and may be used to view all item relationships regardless of how they are defined.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	RELATED_ITEM_ID ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
RECIPROCAL_FLAG	YES_NO N Y	FND_LOOKUPS No Yes
RELATIONSHIP_TYPE_ID	MTL_RELATIONSHIP_TYPES 1 2	MFG_LOOKUPS Related Substitute

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
RELATED_ITEM_ID (PK)	NOT NULL	NUMBER	Related inventory item identifier
RELATIONSHIP_TYPE_ID (PK)	NOT NULL	NUMBER	Relationship type identifier
RECIPROCAL_FLAG	NOT NULL	VARCHAR2(1)	Flag to indicate whether relationship is reciprocal
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column

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*Column Descriptions (Continued)*

Name	Null?	Type	Description
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
MTL_RELATED_ITEMS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	RELATED_ITEM_ID
		3	RELATIONSHIP_TYPE_ID
		4	ORGANIZATION_ID

## MTL\_RTG\_ITEM\_REVISIONS

MTL\_RTG\_ITEM\_REVISIONS stores revision levels for routings. When a routing is defined a revision must be inserted into this table, so that every routing has at least one valid revision.

This table is analagous to MTL\_ITEM\_REVISIONS, but for routings instead of items. However, since engineering changes don't yet act on routings, routing revisions will never come directly from an ECO as they do for items.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_OPERATIONAL_ROUTINGS	ASSEMBLY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID ORGANIZATION_ID
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	CHANGE_NOTICE ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
PROCESS_REVISION (PK)	NOT NULL	VARCHAR2(3)	Routing revision code
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
CHANGE_NOTICE	NULL	VARCHAR2(10)	Engineering change order number
ECN_INITIATION_DATE	NULL	DATE	ECO initiation date
IMPLEMENTATION_DATE	NULL	DATE	ECO implementation date
IMPLEMENTED_SERIAL_NUMBER	NULL	VARCHAR2(30)	(no longer used)
EFFECTIVITY_DATE	NOT NULL	DATE	Revision effectivity date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
REVISED_ITEM_SEQUENCE_ID	NULL	NUMBER	Revised Item Sequence Id

Indexes

Index Name	Index Type	Sequence	Column Name
MTL_RTG_ITEM_REVISIONS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	PROCESS_REVISION
		3	ORGANIZATION_ID

## MTL\_SALES\_ORDERS

MTL\_SALES\_ORDERS stores Inventory's local definition of sales orders.

Unlike account numbers which are stored as flexfields in GL\_CODE\_COMBINATIONS, or purchase orders which are stored in PO\_HEADERS, sales orders are not assumed to originate in any particular application. MTL\_SALES\_ORDERS exists for the purpose of mapping sales orders between other applications and Inventory. MTL\_SALES\_ORDERS is a key flexfield table with no structure defining column or set defining column. The flexfield code for this table is MKTS. Only one structure for the flexfield may be defined for any installation of Inventory. Inventory demand interface and demand manager will validate sales orders on segment values, and will create a new SALES\_ORDER\_ID when necessary.

### Column Descriptions

Name	Null?	Type	Description
SALES_ORDER_ID (PK)	NOT NULL	NUMBER	Sales order id
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
SEGMENT1	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT2	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT3	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT4	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT5	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT6	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT7	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT8	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT9	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT10	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT11	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT12	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT13	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT14	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT15	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT16	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT17	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT18	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT19	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT20	NULL	VARCHAR2(40)	Key flexfield segment
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination includes a summary segment
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether segment combination is enabled
START_DATE_ACTIVE	NULL	DATE	Date segment combination becomes active

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*Column Descriptions (Continued)*

<u>Name</u>	<u>Null?</u>	<u>Type</u>	<u>Description</u>
END_DATE_ACTIVE	NULL	DATE	Date segment combination becomes inactive
SOURCE_CODE	NULL	VARCHAR2(30)	(not currently used)
ORDER_TYPE	NULL	VARCHAR2(30)	(not currently used)
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

*Indexes*

<u>Index Name</u>	<u>Index Type</u>	<u>Sequence</u>	<u>Column Name</u>
MTL_SALES_ORDERS_N1	NOT UNIQUE	1	SEGMENT1
MTL_SALES_ORDERS_U1	UNIQUE	1	SALES_ORDER_ID

*Sequences*

<u>Sequence</u>	<u>Derived Column</u>
MTL_SALES_ORDERS_S	SALES_ORDER_ID

## MTL\_SECONDARY\_INVENTORIES

MTL\_SECONDARY\_INVENTORIES is the definition table for the subinventory. A subinventory is a section of inventory, i.e., raw material, finished goods, etc. Subinventories are assigned to items (in a many to one relationship), indicating a list of valid places where this item will physically exist in inventory.

Other attributes include general ledger accounts, demand picking order, locator type, availability type, and reservable type.

You can also specify whether this subinventory is an expense or asset subinventory (ASSET\_INVENTORY), or whether quantities are tracked (QUANTITY\_TRACKED).

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_COST_GROUPS	COST_GROUP_ID	DEFAULT_COST_GROUP_ID
ENG_ECN_APPROVAL_LISTS	APPROVAL_LIST_ID	NOTIFY_LIST_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RESOURCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_OVERHEAD_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OVERHEAD_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OUTSIDE_PROCESSING_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ENCUMBRANCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	EXPENSE_ACCOUNT
MTL_MATERIAL_STATUSES_B	STATUS_ID	STATUS_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SOURCE_SUBINVENTORY
	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	PICK_UOM_CODE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ASSET_INVENTORY	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
AVAILABILITY_TYPE	MTL_AVAILABILITY	MFG_LOOKUPS
	1	Nettable inventory
	2	Nonnettable inventory
DEPRECIABLE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INVENTORY_ATP_CODE	MTL_ATP_CODE	MFG_LOOKUPS
	1	Inventory included in atp calculation
	2	Inventory not included in atp calculation
LOCATOR_TYPE	MTL_LOCATION_CONTROL	MFG_LOOKUPS
	1	No locator control
	2	Prespecified locator control

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	3	Dynamic entry locator control
	4	Locator control determined at subinventory level
	5	Locator control determined at item level
QUANTITY_TRACKED	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
REQUISITION_APPROVAL_TYPE	MTL_REQUISITION_APPROVAL	MFG_LOOKUPS
	1	Approved
	2	Unapproved
RESERVABLE_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SOURCE_TYPE	MTL_SOURCE_TYPES	MFG_LOOKUPS
	1	Inventory
	2	Supplier

Column Descriptions

Name	Null?	Type	Description
SECONDARY_INVENTORY_NAME (PK)	NOT NULL	VARCHAR2(10)	Subinventory name
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DESCRIPTION	NULL	VARCHAR2(50)	Subinventory description
DISABLE_DATE	NULL	DATE	Disable date
INVENTORY_ATP_CODE	NOT NULL	NUMBER	Inventory available to promise code
AVAILABILITY_TYPE	NOT NULL	NUMBER	Subinventory availability code
RESERVABLE_TYPE	NOT NULL	NUMBER	Hard reservation eligibility
LOCATOR_TYPE	NULL	NUMBER	Subinventory-level stock locator control type
PICKING_ORDER	NULL	NUMBER	Picking order
MATERIAL_ACCOUNT	NULL	NUMBER	Subinventory material account
MATERIAL_OVERHEAD_ACCOUNT	NULL	NUMBER	Material overhead account
RESOURCE_ACCOUNT	NULL	NUMBER	Resource labor account
OVERHEAD_ACCOUNT	NULL	NUMBER	Resource overhead account
OUTSIDE_PROCESSING_ACCOUNT	NULL	NUMBER	Outside processing account
QUANTITY_TRACKED	NOT NULL	NUMBER	Flag indicating onhand item quantity is recorded
ASSET_INVENTORY	NOT NULL	NUMBER	Items contained within the subinventory regarded as assets
SOURCE_TYPE	NULL	NUMBER	Inventory or Supplier sourcing type
SOURCE_SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory to source items from
SOURCE_ORGANIZATION_ID	NULL	NUMBER	Organization to source items from
REQUISITION_APPROVAL_TYPE	NULL	NUMBER	Approval status of replenishment requisitions generated

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# Column Descriptions (Continued)

Name	Null?	Type	Description
EXPENSE_ACCOUNT	NULL	NUMBER	Account to expense items issued to subinventory
ENCUMBRANCE_ACCOUNT	NULL	NUMBER	Account to encumber items requested by subinventory
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
PREPROCESSING_LEAD_TIME	NULL	NUMBER	Pre-processing lead time
PROCESSING_LEAD_TIME	NULL	NUMBER	Processing lead time
POSTPROCESSING_LEAD_TIME	NULL	NUMBER	Post-processing lead time
DEMAND_CLASS	NULL	VARCHAR2(30)	Demand class for the subinventory
PROJECT_ID	NULL	NUMBER(15)	Project identifier
TASK_ID	NULL	NUMBER(15)	Task identifier
SUBINVENTORY_USAGE	NULL	NUMBER	Specifies whether costs should be collected for this subinventory in project manufacturing environment
NOTIFY_LIST_ID	NULL	NUMBER	ID of Notify List
PICK_UOM_CODE	NULL	VARCHAR2(3)	
DEPRECIABLE_FLAG	NULL	NUMBER	Flag indicating if the sub inventory is depreciable
LOCATION_ID	NULL	NUMBER(15)	Location identifier
DEFAULT_COST_GROUP_ID	NULL	NUMBER	Default cost group id - Used by WMS only
STATUS_ID	NULL	NUMBER	Status Identifier - Used by WMS only
DEFAULT_LOC_STATUS_ID	NULL	NUMBER	Default status ID for locators - Used by WMS only
LPN_CONTROLLED_FLAG	NULL	NUMBER	
PICK_METHODODOLOGY	NULL	NUMBER	
CARTONIZATION_FLAG	NULL	NUMBER(30)	

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_SECONDARY_INVENTORIES_U1	UNIQUE	1	ORGANIZATION_ID
		2	SECONDARY_INVENTORY_NAME

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#### *Database Triggers*

Trigger Name : AX\_MTL\_SEC\_INVENTORY\_ARDI1  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : INSERT, DELETE

This trigger captures information needed to create subledger accounting events when Oracle Inventory and the set of books used is defined as a subledger in the Global Accounting Engine application. This trigger synchronizes the table MTL\_SECONDARY\_INVENTORIES and AX\_SECONDARY\_INVENTORIES. It ensure that a subinventory exists for every inventory organizations in AX\_SECONDARY\_INVENTORIES.

## MTL\_SECONDARY\_LOCATORS

MTL\_SECONDARY\_LOCATORS stores all locators within a subinventory for a specific item.

These locators make up the valid list of locators when transacting that specific item to/from the subinventory, and the user has specified (in the Master Item window) that the item must use locators restricted to a pre-defined list.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	SECONDARY_LOCATOR ORGANIZATION_ID
MTL_ITEM_SUB_INVENTORIES	INVENTORY_ITEM_ID ORGANIZATION_ID SECONDARY_INVENTORY	INVENTORY_ITEM_ID ORGANIZATION_ID SUBINVENTORY_CODE

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
SECONDARY_LOCATOR (PK)	NOT NULL	NUMBER	Locator identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
PRIMARY_LOCATOR_FLAG	NULL	NUMBER	Primary / secondary type code
PICKING_ORDER	NULL	NUMBER	(not currently used)
SUBINVENTORY_CODE	NULL	VARCHAR2(10)	Subinventory name
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
STATUS_ID	NULL	NUMBER	Status Identifier - Used by WMS only

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_SECONDARY_LOCATORS_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	SECONDARY_LOCATOR
MTL_SECONDARY_LOCATORS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	SECONDARY_LOCATOR
		3	ORGANIZATION_ID

## MTL\_SERIAL\_NUMBERS

MTL\_SERIAL\_NUMBERS stores the definition and current status of all serial numbers in Oracle Inventory. These serial numbers are also used in other areas of Oracle Manufacturing.

A serial number can have one of four statuses:

- Defined but not used
- Resides in stores
- Issued out of stores
- Resides in intransit

The serial generation program populates this table, given the number of serial numbers to create and the starting number and prefix.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	CURRENT_LOCATOR_ID CURRENT_ORGANIZATION_ID
MTL_ITEM_REVISIONS	REVISION INVENTORY_ITEM_ID ORGANIZATION_ID	REVISION INVENTORY_ITEM_ID CURRENT_ORGANIZATION_ID
MTL_LOT_NUMBERS	LOT_NUMBER ORGANIZATION_ID INVENTORY_ITEM_ID	LOT_NUMBER CURRENT_ORGANIZATION_ID INVENTORY_ITEM_ID
MTL_MATERIAL_STATUSES_B	STATUS_ID	STATUS_ID
MTL_MATERIAL_TRANSACTIONS	TRANSACTION_ID	LAST_TRANSACTION_ID
MTL_PARAMETERS	ORGANIZATION_ID	CURRENT_ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	CURRENT_SUBINVENTORY_CODE CURRENT_ORGANIZATION_ID
MTL_SERIAL_NUMBERS	INVENTORY_ITEM_ID SERIAL_NUMBER CURRENT_ORGANIZATION_ID	PARENT_ITEM_ID PARENT_SERIAL_NUMBER CURRENT_ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	INVENTORY_ITEM_ID CURRENT_ORGANIZATION_ID
MTL_TXN_SOURCE_TYPES	TRANSACTION_SOURCE_TYPE_ID	LAST_TXN_SOURCE_TYPE_ID
PJM_UNIT_NUMBERS	UNIT_NUMBER	END_ITEM_UNIT_NUMBER
PJM_UNIT_SERIAL_HISTORY	INVENTORY_ITEM_ID SERIAL_NUMBER NEW_UNIT_NUMBER	INVENTORY_ITEM_ID SERIAL_NUMBER END_ITEM_UNIT_NUMBER
PO_VENDORS	VENDOR_ID	ORIGINAL_UNIT_VENDOR_ID
WIP_ENTITIES	WIP_ENTITY_ID	ORIGINAL_WIP_ENTITY_ID
WMS_LICENSE_PLATE_NUMBERS	LPN_ID	LPN_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CURRENT_STATUS	SERIAL_NUM_STATUS	MFG_LOOKUPS
	1	Defined but not used
	3	Resides in stores
	4	Issued out of stores
	5	Resides in intransit
LAST_TRANSACTION_ID	MTL_DISPOSITION	MFG_LOOKUPS

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# *QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
	1	Purchase order
	2	Sales order
	3	Account number
	4	Job or schedule
	5	Job or schedule
	6	Account alias

## *Column Descriptions*

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
SERIAL_NUMBER (PK)	NOT NULL	VARCHAR2(30)	Serial number
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
INITIALIZATION_DATE	NOT NULL	DATE	Unit initialization date
COMPLETION_DATE	NULL	DATE	Unit completion date
SHIP_DATE	NULL	DATE	Unit ship date
CURRENT_STATUS	NULL	NUMBER	Current status
REVISION	NULL	VARCHAR2(3)	Inventory item revision code
LOT_NUMBER	NULL	VARCHAR2(30)	Lot number
FIXED_ASSET_TAG	NULL	VARCHAR2(10)	Unit fixed asset tag number
RESERVED_ORDER_ID	NULL	NUMBER	Scheduled sales order reservation
PARENT_ITEM_ID	NULL	NUMBER	Component parent part number
PARENT_SERIAL_NUMBER	NULL	VARCHAR2(30)	Component parent serial number
END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	
ORIGINAL_WIP_ENTITY_ID	NULL	NUMBER	Original WIP entity id
ORIGINAL_UNIT_VENDOR_ID	NULL	NUMBER	Original unit supplier code
VENDOR_SERIAL_NUMBER	NULL	VARCHAR2(30)	Supplier serial number
VENDOR_LOT_NUMBER	NULL	VARCHAR2(30)	Supplier lot number
LAST_TXN_SOURCE_TYPE_ID	NULL	NUMBER	Last transaction source type identifier
LAST_TRANSACTION_ID	NULL	NUMBER	Last transaction identifier
LAST_RECEIPT_ISSUE_TYPE	NULL	NUMBER	Last transaction type
LAST_TXN_SOURCE_NAME	NULL	VARCHAR2(30)	Last transaction source name
LAST_TXN_SOURCE_ID	NULL	NUMBER	Last transaction source identifier
DESCRIPTIVE_TEXT	NULL	VARCHAR2(240)	Unit descriptive text
CURRENT_SUBINVENTORY_CODE	NULL	VARCHAR2(10)	Current subinventory name
CURRENT_LOCATOR_ID	NULL	NUMBER	Current location identifier
CURRENT_ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization where the serial number is currently stored
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
GROUP_MARK_ID	NULL	NUMBER	Group identifier (used by Oracle Inventory for ensuring that serial numbers used by one user's session do not become available incorrectly to another user)
LINE_MARK_ID	NULL	NUMBER	Used by Oracle Inventory for ensuring that serial numbers used by one user's session do not become available incorrectly to another user. The column is used by Oracle Inventory's serialnumber marking and unmarking routines
LOT_LINE_MARK_ID	NULL	NUMBER	Identifier used in serial number marking and unmarking routines
GEN_OBJECT_ID	NOT NULL	NUMBER	Genealogy object identifier
SERIAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column - Usedby WMS only
TERRITORY_CODE	NULL	VARCHAR2(30)	Territory code for Country of Origin-- Usedby WMS only
ORIGINATION_DATE	NULL	DATE	Creation Date of the serial number such as manufacture date. - Used by WMS only
C_ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only
C_ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment-Used by WMS only

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Column Descriptions (Continued)

Name	Null?	Type	Description
C_ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
C_ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE1	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE2	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE3	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE4	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE5	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE6	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE7	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE8	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE9	NULL	DATE	Descriptive flexfield segment- Used by WMS only
D_ATTRIBUTE10	NULL	DATE	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE1	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE2	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE3	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE4	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE5	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE6	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE7	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE8	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE9	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
N_ATTRIBUTE10	NULL	NUMBER	Descriptive flexfield segment- Used by WMS only
STATUS_ID	NULL	NUMBER	Status identifier - Used by WMS only
COST_GROUP_ID	NULL	NUMBER	Cost Group Identifie - Used by WMS only

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Column Descriptions (Continued)

Name	Null?	Type	Description
TIME_SINCE_NEW	NULL	NUMBER	Time since new for MRO industry - Used by WMS only
CYCLES_SINCE_NEW	NULL	NUMBER	Cycles since new for MRO industry - Used by WMS only
TIME_SINCE_OVERHAUL	NULL	NUMBER	Time Since overhaul for MRO industry - Used by WMS only
CYCLES_SINCE_OVERHAUL	NULL	NUMBER	Cycles since overhaul for MRO industry - Used by WMS only
TIME_SINCE_REPAIR	NULL	NUMBER	Time Since repair for MRO industry - Used by WMS only
CYCLES_SINCE_REPAIR	NULL	NUMBER	Cycles Since repair for MRO industry - Used by WMS only
TIME_SINCE_VISIT	NULL	NUMBER	Time since Visit for MRO industry - Used by WMS only
CYCLES_SINCE_VISIT	NULL	NUMBER	Cycles Since Visit for MRO industry - Used by WMS only
TIME_SINCE_MARK	NULL	NUMBER	Time since Mark for MRO industry - Used by WMS only
CYCLES_SINCE_MARK	NULL	NUMBER	Cycles Since Mark for MRO industry - Used by WMS only
NUMBER_OF_REPAIRS	NULL	NUMBER	Number of repairs for MRO industry - Used by WMS only
LPN_ID	NULL	NUMBER	License Plate Number Identifier of the item - Used by WMS only
INSPECTION_STATUS	NULL	NUMBER	Status after Inspection of the Serial Number - Usedby WMS only
PREVIOUS_STATUS	NULL	NUMBER	Previous Status - Usedby WMS only
LPN_TXN_ERROR_FLAG	NULL	VARCHAR2(1)	Error flag for LPN Transaction -- Usedby WMS only

Indexes

Index Name	Index Type	Sequence	Column Name
MTL_SERIAL_NUMBERS_N1	NOT UNIQUE	1	CURRENT_ORGANIZATION_ID
		2	CURRENT_SUBINVENTORY_CODE
		3	CURRENT_LOCATOR_ID
MTL_SERIAL_NUMBERS_N2	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	CURRENT_STATUS
MTL_SERIAL_NUMBERS_N3	NOT UNIQUE	1	ORIGINAL_UNIT_VENDOR_ID
		2	VENDOR_SERIAL_NUMBER
MTL_SERIAL_NUMBERS_N4	NOT UNIQUE	1	CURRENT_ORGANIZATION_ID
		2	SERIAL_NUMBER
		3	INVENTORY_ITEM_ID
MTL_SERIAL_NUMBERS_N5	NOT UNIQUE	1	GROUP_MARK_ID
		2	LINE_MARK_ID
		3	LOT_LINE_MARK_ID
MTL_SERIAL_NUMBERS_N6	NOT UNIQUE	1	CURRENT_ORGANIZATION_ID
		2	INVENTORY_ITEM_ID
		4	CURRENT_SUBINVENTORY_CODE
		6	CURRENT_STATUS
MTL_SERIAL_NUMBERS_N7	NOT UNIQUE	5	LPN_ID
MTL_SERIAL_NUMBERS_U1	UNIQUE	1	SERIAL_NUMBER
		2	INVENTORY_ITEM_ID
MTL_SERIAL_NUMBERS_U2	UNIQUE	5	GEN_OBJECT_ID

*Sequences*

<u>Sequence</u>	<u>Derived Column</u>
MTL_GEN_OBJECT_ID_S	GEN_OBJECT_ID

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## MTL\_SYSTEM\_ITEMS\_B

MTL\_SYSTEM\_ITEMS\_B is the definition table for items. This table holds the definitions for inventory items, engineering items, and purchasing items. You can specify item-related information in fields such as: Bill of Material, Costing, Purchasing, Receiving, Inventory, Physical attributes, General Planning, MPS/MRP Planning, Lead times, Work in Process, Order Management, and Invoicing.

You can set up the item with multiple segments, since it is implemented as a flexfield. Use the standard 'System Items' flexfield that is shipped with the product to configure your item flexfield. The flexfield code is MSTK.

The primary key for an item is the INVENTORY\_ITEM\_ID and ORGANIZATION\_ID. Therefore, the same item can be defined in more than one organization.

Each item is initially defined in an item master organization. The user then assigns the item to other organizations that need to recognize this item; a row is inserted for each new organization the item is assigned to. Many columns such as MTL\_TRANSACTIONS\_ENABLED\_FLAG and BOM\_ENABLED\_FLAG correspond to item attributes defined in the MTL\_ITEM\_ATTRIBUTES table. The attributes that are available to the user depend on which Oracle applications are installed. The table MTL\_ATTR\_APPL\_DEPENDENCIES maintains the relationships between item attributes and Oracle applications.

Two unit of measure columns are stored in MTL\_SYSTEM\_ITEMS table. PRIMARY\_UOM\_CODE is the 3-character unit that is used throughout Oracle Manufacturing. PRIMARY\_UNIT\_OF\_MEASURE is the 25-character unit that is used throughout Oracle Purchasing.

Items now support multilingual description. MLS is implemented with a pair of tables: MTL\_SYSTEM\_ITEMS\_B and MTL\_SYSTEM\_ITEMS\_TL. Translations table (MTL\_SYSTEM\_ITEMS\_TL) holds item descriptions in multiple languages. DESCRIPTION column in the base table (MTL\_SYSTEM\_ITEMS\_B) is for backward compatibility and is maintained in the installation base language only.

## Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AP_TAX_CODES_ALL	NAME	PURCHASING_TAX_CODE
AR_VAT_TAX_ALL_B	TAX_CODE	TAX_CODE
ENG_ENGINEERING_CHANGES	CHANGE_NOTICE ORGANIZATION_ID	ENGINEERING_ECN_CODE ORGANIZATION_ID
FA_CATEGORIES_B	CATEGORY_ID	ASSET_CATEGORY_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	COST_OF_SALES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	SALES_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	EXPENSE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ENCUMBRANCE_ACCOUNT
MRP_PLANNING_EXCEPTION_SETS	EXCEPTION_SET_NAME	PLANNING_EXCEPTION_SET
MTL_ATP_RULES	RULE_ID	ATP_RULE_ID
MTL_ITEM_CATALOG_GROUPS	ITEM_CATALOG_GROUP_ID	ITEM_CATALOG_GROUP_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	WIP_SUPPLY_LOCATOR_ID ORGANIZATION_ID
MTL_ITEM_STATUS	INVENTORY_ITEM_STATUS_CODE	INVENTORY_ITEM_STATUS_CODE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	DEFAULT_SHIPPING_ORG
MTL_PICKING_RULES	PICKING_RULE_ID	PICKING_RULE_ID
MTL_PLANNERS	PLANNER_CODE ORGANIZATION_ID	PLANNER_CODE ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	SOURCE_SUBINVENTORY SOURCE_ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	WIP_SUPPLY_SUBINVENTORY ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	ENGINEERING_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	BASE_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	BASE_WARRANTY_SERVICE_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID INVENTORY_ITEM_ID	ORGANIZATION_ID PRODUCT_FAMILY_ITEM_ID
MTL_UNITS_OF_MEASURE_TL	UNIT_OF_MEASURE	PRIMARY_UNIT_OF_MEASURE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	VOLUME_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	WEIGHT_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UNIT_OF_MEASURE	UNIT_OF_ISSUE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	PRIMARY_UOM_CODE
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	SERVICE_DURATION_PERIOD_CODE
PO_HAZARD_CLASSES_B	HAZARD_CLASS_ID	HAZARD_CLASS_ID
PO_UN_NUMBERS_B	UN_NUMBER_ID	UN_NUMBER_ID
RA_RULES	RULE_ID	ACCOUNTING_RULE_ID
RA_RULES	RULE_ID	INVOICING_RULE_ID
RA_TERMS_B	TERM_ID	PAYMENT_TERMS_ID
RCV_ROUTING_HEADERS	ROUTING_HEADER_ID	RECEIVING_ROUTING_ID

## QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ALLOWED_UNITS_LOOKUP_CODE	MTL_CONVERSION_TYPE	MFG_LOOKUPS
	1	Item specific
	2	Standard
	3	Both standard and item specific
ALLOW_EXPRESS_DELIVERY_FLAG	YES_NO	FND_LOOKUPS
	N	No

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	Y	Yes
ALLOW_ITEM_DESC_UPDATE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ALLOW_UNORDERED_RECEIPTS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ATO_FORECAST_CONTROL	MRP_ATO_FORECAST_CONTROL	MFG_LOOKUPS
	1	Consume
	2	Consume and derive
	3	None
ATP_COMPONENTS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ATP_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
AUTO_CREATED_CONFIG_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
AUTO_REDUCE_MPS	MRP_AUTO_REDUCE_MPS	MFG_LOOKUPS
	1	None
	2	Past due
	3	Within demand time fence
	4	Within planning time fence
BACK_ORDERABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
BOM_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
BOM_ITEM_TYPE	BOM_ITEM_TYPE	MFG_LOOKUPS
	1	Model
	2	Option class
	3	Planning
	4	Standard
	5	Product Family
BUILD_IN_WIP_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
BULK_PICKED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CATALOG_STATUS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CHECK_SHORTAGES_FLAG	YES_NO	FND_LOOKUPS

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	N	No
	Y	Yes
COLLATERAL_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
COMMS_ACTIVATION_REQD_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
COMMS_NL_TRACKABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CONTAINER_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CONTAINER_TYPE_CODE	CONTAINER_ITEM_TYPE	FND_COMMON_LOOKUPS
COSTING_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
COUPON_EXEMPT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CUSTOMER_ORDER_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CUSTOMER_ORDER_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CYCLE_COUNT_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
DEFAULT_INCLUDE_IN_ROLLUP_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
DEFECT_TRACKING_ON_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
DEMAND_TIME_FENCE_CODE	MTL_TIME_FENCE	MFG_LOOKUPS
	1	Cumulative total lead time
	2	Cumulative manufacturing lead time
	3	Total lead time
	4	User-defined time fence
DOWNLOADABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ELECTRONIC_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	Y	Yes
END_ASSEMBLY_PEGGING_FLAG	ASSEMBLY_PEGGING_CODE	FND_LOOKUPS
	A	Full Pegging
	B	End Assembly/Full Pegging
	I	Net by Project/Ignore Excess
	N	None
	X	Net by Project/Net Excess
	Y	End Assembly Pegging
ENG_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
EQUIPMENT_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
EVENT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
EXPENSE_BILLABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
FINANCING_ALLOWED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INDIVISIBLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INSPECTION_REQUIRED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INTERNAL_ORDER_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INTERNAL_ORDER_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INVENTORY_ASSET_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INVENTORY_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INVENTORY_PLANNING_CODE	MTL_MATERIAL_PLANNING	MFG_LOOKUPS
	1	Reorder point planning
	2	Min-max planning
	6	Not planned
INVOICEABLE_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
INVOICE_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	Y	Yes
ITEM_TYPE	ITEM_TYPE	FND_COMMON_LOOKUPS
	AOC	ATO Option Class
	ATO	ATO Model
	BMW	BMW Type
	FG	Finished Good
	I	Inventory Type
	K	Kit
	M	Model
	OC	Option Class
	OO	Outside Operation
	OP	Outside Processing Item
	P	Purchased item
	PF	Product Family
	PH	Phantom item
	PL	Planning
	POC	PTO Option Class
	PTO	PTO model
	REF	Reference item
	SA	Subassembly
	SI	Supply item
LOCATION_CONTROL_CODE	MTL_LOCATION_CONTROL	MFG_LOOKUPS
	1	No locator control
	2	Prespecified locator control
	3	Dynamic entry locator control
	4	Locator control determined at subinventory level
	5	Locator control determined at item level
LOT_CONTROL_CODE	MTL_LOT_CONTROL	MFG_LOOKUPS
	1	No lot control
	2	Full lot control
LOT_MERGE_ENABLED	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
LOT_SPLIT_ENABLED	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
LOT_STATUS_ENABLED	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
MATERIAL_BILLABLE_FLAG	MTL_SERVICE_BILLABLE_FLAG	CS_LOOKUPS
	E	Expense
	L	Labor
	M	Material
MRP_CALCULATE_ATP_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
MRP_PLANNING_CODE	MRP_PLANNING_CODE	MFG_LOOKUPS
	3	MRP planning
	4	MPS planning

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	6	Not planned
	7	MRP and DRP planning
	8	MPS and DRP planning
	9	DRP planning
MRP_SAFETY_STOCK_CODE	MTL_SAFETY_STOCK_TYPE	MFG_LOOKUPS
	1	Non-MRP planned
	2	MRP planned percent
MTL_TRANSACTIONS_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
MUST_USE_APPROVED_VENDOR_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ORDERABLE_ON_WEB_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
OUTSIDE_OPERATION_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
PICK_COMPONENTS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
PLANNING_MAKE_BUY_CODE	MTL_PLANNING_MAKE_BUY	MFG_LOOKUPS
	1	Make
	2	Buy
PLANNING_TIME_FENCE_CODE	MTL_TIME_FENCE	MFG_LOOKUPS
	1	Cumulative total lead time
	2	Cumulative manufacturing lead time
	3	Total lead time
	4	User-defined time fence
PREVENTIVE_MAINTENANCE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
PRORATE_SERVICE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
PURCHASING_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
PURCHASING_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
RECEIPT_REQUIRED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
RELEASE_TIME_FENCE_CODE	MTL_RELEASE_TIME_FENCE	MFG_LOOKUPS
	1	Cumulative total lead time
	2	Cumulative manufacturing lead time
	3	Item total lead time

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	4	User-defined time fence
	5	No not autorelease
	6	Kanban Item (Do Not Release)
REPETITIVE_PLANNING_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
REPLENISH_TO_ORDER_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
RESERVABLE_TYPE	MTL_RESERVATION_CONTROL	MFG_LOOKUPS
	1	Reservable
	2	Not reservable
RESTRICT_LOCATORS_CODE	MTL_LOCATOR_RESTRICTIONS	MFG_LOOKUPS
	1	Locators restricted to pre-defined list
	2	Locators not restricted to pre-defined list
RESTRICT_SUBINVENTORIES_CODE	MTL_SUBINVENTORY_RESTRICTIONS	MFG_LOOKUPS
	1	Subinventories restricted to pre-defined list
	2	Subinventories not restricted to pre-defined list
RETURNABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
RETURN_INSPECTION_REQUIREMENT	MTL_RETURN_INSPECTION	MFG_LOOKUPS
	1	Inspection required
	2	Inspection not required
REVISION_QTY_CONTROL_CODE	MTL_ENG_QUANTITY	MFG_LOOKUPS
	1	Not under revision quantity control
	2	Under revision quantity control
RFQ_REQUIRED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
ROUNDING_CONTROL_TYPE	MTL_ROUNDING	MFG_LOOKUPS
	1	Round order quantities
	2	Do not round order quantities
SERIAL_NUMBER_CONTROL_CODE	MTL_SERIAL_NUMBER	MFG_LOOKUPS
	1	No serial number control
	2	Predefined serial numbers
	5	Dynamic entry at inventory receipt
	6	Dynamic entry at sales order issue
SERIAL_STATUS_ENABLED	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SERVICEABLE_COMPONENT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
SERVICEABLE_PRODUCT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SERVICE_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SHELF_LIFE_CODE	MTL_SHELF_LIFE	MFG_LOOKUPS
	1	No shelf life control
	2	Item shelf life days
	4	User-defined expiration date
SHIPPABLE_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SHIP_MODEL_COMPLETE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SOURCE_TYPE	MTL_SOURCE_TYPES	MFG_LOOKUPS
	1	Inventory
	2	Supplier
SO_TRANSACTIONS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
STOCK_ENABLED_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
SUMMARY_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
TAXABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
TIME_BILLABLE_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
USAGE_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
VEHICLE_ITEM_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
VENDOR_WARRANTY_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
VOL_DISCOUNT_EXEMPT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
WIP_SUPPLY_TYPE	WIP_SUPPLY	MFG_LOOKUPS
	1	Push
	2	Assembly Pull
	3	Operation Pull

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# *QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
	4	Bulk
	5	Supplier
	6	Phantom
	7	Based on Bill
ENFORCE_SHIP_TO_LOCATION_CODE	RECEIVING CONTROL LEVEL	PO_LOOKUP_CODES
	NONE	No Receiving Control Enforced
	REJECT	Prevent Receipt of Goods or Services
	WARNING	Display Warning Message
OUTSIDE_OPERATION_UOM_TYPE	OUTSIDE OPERATION UOM TYPE	PO_LOOKUP_CODES
	ASSEMBLY	Assembly Unit of Measure
	RESOURCE	Resource Unit of Measure
QTY_RCV_EXCEPTION_CODE	RECEIVING CONTROL LEVEL	PO_LOOKUP_CODES
	NONE	No Receiving Control Enforced
	REJECT	Prevent Receipt of Goods or Services
	WARNING	Display Warning Message
RECEIPT_DAYS_EXCEPTION_CODE	RECEIVING CONTROL LEVEL	PO_LOOKUP_CODES
	NONE	No Receiving Control Enforced
	REJECT	Prevent Receipt of Goods or Services
	WARNING	Display Warning Message

## *Column Descriptions*

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flexfield summary flag
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flexfield segment enabled flag
START_DATE_ACTIVE		DATE	Flexfield segment start date
END_DATE_ACTIVE		DATE	Flexfield segment end date
DESCRIPTION		VARCHAR2(240)	Item description is maintained in the installation base language only. Translations table (MTL_SYSTEM_ITEMS_TL) holds item descriptions in multiple languages
BUYER_ID		NUMBER(9)	Buyer identifier
ACCOUNTING_RULE_ID		NUMBER	Accounting rule identifier
INVOICING_RULE_ID		NUMBER	Invoicing rule identifier
SEGMENT1		VARCHAR2(40)	Key flexfield segment
SEGMENT2		VARCHAR2(40)	Key flexfield segment
SEGMENT3		VARCHAR2(40)	Key flexfield segment
SEGMENT4		VARCHAR2(40)	Key flexfield segment
SEGMENT5		VARCHAR2(40)	Key flexfield segment
SEGMENT6		VARCHAR2(40)	Key flexfield segment
SEGMENT7		VARCHAR2(40)	Key flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
SEGMENT8	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT9	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT10	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT11	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT12	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT13	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT14	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT15	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT16	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT17	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT18	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT19	NULL	VARCHAR2(40)	Key flexfield segment
SEGMENT20	NULL	VARCHAR2(40)	Key flexfield segment
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
PURCHASING_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating purchasing item
SHIPPABLE_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating shippable item
CUSTOMER_ORDER_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating customer orderable item
INTERNAL_ORDER_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating internally orderable item
SERVICE_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating service item
INVENTORY_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating inventory item
ENG_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating engineering item
INVENTORY_ASSET_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is an inventory asset
PURCHASING_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is purchasable
CUSTOMER_ORDER_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is customer orderable
INTERNAL_ORDER_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is internally orderable
SO_TRANSACTIONS_FLAG	NOT NULL	VARCHAR2(1)	Sales order transactions flag
MTL_TRANSACTIONS_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is transactable
STOCK_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item is stockable
BOM_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item may appear on a BOM
BUILD_IN_WIP_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item may be built in WIP

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Column Descriptions (Continued)

Name	Null?	Type	Description
REVISION_QTY_CONTROL_CODE	NULL	NUMBER	Revision quantity control code
ITEM_CATALOG_GROUP_ID	NULL	NUMBER	Item catalog group identifier
CATALOG_STATUS_FLAG	NULL	VARCHAR2(1)	Flag indicating item catalog complete
RETURNABLE_FLAG	NULL	VARCHAR2(1)	Flag indicating whether item is returnable
DEFAULT_SHIPPING_ORG	NULL	NUMBER	Default shipping organization
COLLATERAL_FLAG	NULL	VARCHAR2(1)	Flag indicating item is collateral item
TAXABLE_FLAG	NULL	VARCHAR2(1)	Flag indicating whether item is taxable
QTY_RCV_EXCEPTION_CODE	NULL	VARCHAR2(25)	Over tolerance receipts processing method code
ALLOW_ITEM_DESC_UPDATE_FLAG	NULL	VARCHAR2(1)	Allow item description updates on PO lines
INSPECTION_REQUIRED_FLAG	NULL	VARCHAR2(1)	Flag indicating whether inspection is required upon receipt
RECEIPT_REQUIRED_FLAG	NULL	VARCHAR2(1)	Flag indicating supplier receipt is required before payment
MARKET_PRICE	NULL	NUMBER	Purchasing market price
HAZARD_CLASS_ID	NULL	NUMBER	Purchasing hazard identifier
RFQ_REQUIRED_FLAG	NULL	VARCHAR2(1)	Flag indicating whether an RFQ (request for quotation) is required
QTY_RCV_TOLERANCE	NULL	NUMBER	Maximum acceptable over-receipt percentage
LIST_PRICE_PER_UNIT	NULL	NUMBER	Unit list price - purchasing
UN_NUMBER_ID	NULL	NUMBER	Purchasing UN (United Nations) number
PRICE_TOLERANCE_PERCENT	NULL	NUMBER	Purchase price tolerance percentage
ASSET_CATEGORY_ID	NULL	NUMBER	Fixed asset category identifier (foreign key FA asset category flexfield)
ROUNDING_FACTOR	NULL	NUMBER	Rounding factor used to determine order quantity
UNIT_OF_ISSUE	NULL	VARCHAR2(25)	Unit of issue
ENFORCE_SHIP_TO_LOCATION_CODE	NULL	VARCHAR2(25)	Require receipt location to match ship-to location
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	NULL	VARCHAR2(1)	Flag indicating substitute receipts allowed
ALLOW_UNORDERED_RECEIPTS_FLAG	NULL	VARCHAR2(1)	Flag indicating unordered receipts allowed
ALLOW_EXPRESS_DELIVERY_FLAG	NULL	VARCHAR2(1)	Flag indicating express delivery allowed
DAYS_EARLY_RECEIPT_ALLOWED	NULL	NUMBER	Days before planned receipt that item may be received
DAYS_LATE_RECEIPT_ALLOWED	NULL	NUMBER	Days after the planned receipt that item may be received
RECEIPT_DAYS_EXCEPTION_CODE	NULL	VARCHAR2(25)	Exception processing for early/late receipts
RECEIVING_ROUTING_ID	NULL	NUMBER	Default receipt routing
INVOICE_CLOSE_TOLERANCE	NULL	NUMBER	Invoice close tolerance
RECEIVE_CLOSE_TOLERANCE	NULL	NUMBER	Receipt close tolerance
AUTO_LOT_ALPHA_PREFIX	NULL	VARCHAR2(30)	Item-level prefix for lot numbers
START_AUTO_LOT_NUMBER	NULL	VARCHAR2(30)	Next auto assigned lot number
LOT_CONTROL_CODE	NULL	NUMBER	Lot control code

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Column Descriptions (Continued)

Name	Null?	Type	Description
SHELF_LIFE_CODE	NULL	NUMBER	Shelf life code
SHELF_LIFE_DAYS	NULL	NUMBER	Length of shelf life days
SERIAL_NUMBER_CONTROL_CODE	NULL	NUMBER	Serial number control code
START_AUTO_SERIAL_NUMBER	NULL	VARCHAR2(30)	Next auto assigned serial number
AUTO_SERIAL_ALPHA_PREFIX	NULL	VARCHAR2(30)	Item-level alpha prefix for serial numbers
SOURCE_TYPE	NULL	NUMBER	Inventory or supplier source type
SOURCE_ORGANIZATION_ID	NULL	NUMBER	Organization to source items from
SOURCE_SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory to source items from
EXPENSE_ACCOUNT	NULL	NUMBER	Expense account
ENCUMBRANCE_ACCOUNT	NULL	NUMBER	Encumbrance account
RESTRICT_SUBINVENTORIES_CODE	NULL	NUMBER	Subinventory restrictions type
UNIT_WEIGHT	NULL	NUMBER	Conversion between weight unit of measure and base unit of measure
WEIGHT_UOM_CODE	NULL	VARCHAR2(3)	Weight unit of measure code
VOLUME_UOM_CODE	NULL	VARCHAR2(3)	Volume unit of measure code
UNIT_VOLUME	NULL	NUMBER	Conversion between volume unit of measure and base unit of measure
RESTRICT_LOCATORS_CODE	NULL	NUMBER	Locators restrictions type
LOCATION_CONTROL_CODE	NULL	NUMBER	Stock locator control code
SHRINKAGE_RATE	NULL	NUMBER	Planned shrinkage rate
ACCEPTABLE_EARLY_DAYS	NULL	NUMBER	Days an order may be early before rescheduling is recommended
PLANNING_TIME_FENCE_CODE	NULL	NUMBER	Planning time fence code
DEMAND_TIME_FENCE_CODE	NULL	NUMBER	Demand time fence code
LEAD_TIME_LOT_SIZE	NULL	NUMBER	Lead time lot size
STD_LOT_SIZE	NULL	NUMBER	Standard lot size
CUM_MANUFACTURING_LEAD_TIME	NULL	NUMBER	Cumulative manufacturing lead time
OVERRUN_PERCENTAGE	NULL	NUMBER	MRP repetitive acceptable overrun rate
MRP_CALCULATE_ATP_FLAG	NULL	VARCHAR2(1)	Calculate ATP flag (y/n) for MRP planning routine
ACCEPTABLE_RATE_INCREASE	NULL	NUMBER	MRP repetitive acceptable rate increase
ACCEPTABLE_RATE_DECREASE	NULL	NUMBER	MRP repetitive acceptable rate decrease
CUMULATIVE_TOTAL_LEAD_TIME	NULL	NUMBER	Cumulative total lead time
PLANNING_TIME_FENCE_DAYS	NULL	NUMBER	Planning time fence days
DEMAND_TIME_FENCE_DAYS	NULL	NUMBER	Demand time fence days
END_ASSEMBLY_PEGGING_FLAG	NULL	VARCHAR2(1)	End assembly pegging flag for MRP
REPETITIVE_PLANNING_FLAG	NULL	VARCHAR2(1)	Flag indicating item to be planned as repetitive schedule
PLANNING_EXCEPTION_SET	NULL	VARCHAR2(10)	Exception control set
BOM_ITEM_TYPE	NOT NULL	NUMBER	Type of item
PICK_COMPONENTS_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether all shippable components should be picked
REPLENISH_TO_ORDER_FLAG	NOT NULL	VARCHAR2(1)	Assemble to Order flag
BASE_ITEM_ID	NULL	NUMBER	Base item identifier

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATP_COMPONENTS_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating whether item may have components requiring ATP check
ATP_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating ATP must be checked when item is ordered
FIXED_LEAD_TIME	NULL	NUMBER	Fixed portion of the assembly's lead time
VARIABLE_LEAD_TIME	NULL	NUMBER	Variable portion of an assembly's lead time
WIP_SUPPLY_LOCATOR_ID	NULL	NUMBER	Supply locator for WIP transactions
WIP_SUPPLY_TYPE	NULL	NUMBER	Source of WIP material supply
WIP_SUPPLY_SUBINVENTORY	NULL	VARCHAR2(10)	Supply subinventory for WIP transactions
PRIMARY_UOM_CODE	NULL	VARCHAR2(3)	Primary unit of measure code
PRIMARY_UNIT_OF_MEASURE	NULL	VARCHAR2(25)	Primary stocking unit of measure for the item
ALLOWED_UNITS_LOOKUP_CODE	NULL	NUMBER	Allowed unit of measure conversion type
COST_OF_SALES_ACCOUNT	NULL	NUMBER	Cost of sales account
SALES_ACCOUNT	NULL	NUMBER	Sales account
DEFAULT_INCLUDE_IN_ROLLUP_FLAG	NULL	VARCHAR2(1)	Default value for include in cost rollup
INVENTORY_ITEM_STATUS_CODE	NOT NULL	VARCHAR2(10)	Material status code
INVENTORY_PLANNING_CODE	NULL	NUMBER	Inventory planning code
PLANNER_CODE	NULL	VARCHAR2(10)	Planner code
PLANNING_MAKE_BUY_CODE	NULL	NUMBER	Indicates whether item is planned as manufactured or purchased
FIXED_LOT_MULTIPLIER	NULL	NUMBER	Fixed lot size multiplier
ROUNDING_CONTROL_TYPE	NULL	NUMBER	Rounding control code
CARRYING_COST	NULL	NUMBER	Annual carrying cost
POSTPROCESSING_LEAD_TIME	NULL	NUMBER	Post-processing lead time
PREPROCESSING_LEAD_TIME	NULL	NUMBER	Pre-processing lead time
FULL_LEAD_TIME	NULL	NUMBER	Full lead time
ORDER_COST	NULL	NUMBER	Order cost
MRP_SAFETY_STOCK_PERCENT	NULL	NUMBER	Safety stock percentage
MRP_SAFETY_STOCK_CODE	NULL	NUMBER	Safety stock code
MIN_MINMAX_QUANTITY	NULL	NUMBER	Minimum minmax order quantity
MAX_MINMAX_QUANTITY	NULL	NUMBER	Maximum minmax order quantity
MINIMUM_ORDER_QUANTITY	NULL	NUMBER	Minimum order quantity
FIXED_ORDER_QUANTITY	NULL	NUMBER	Fixed order quantity
FIXED_DAYS_SUPPLY	NULL	NUMBER	Fixed days supply
MAXIMUM_ORDER_QUANTITY	NULL	NUMBER	Maximum order quantity
ATP_RULE_ID	NULL	NUMBER	Available to promise rule to be used for this item
PICKING_RULE_ID	NULL	NUMBER	Picking rule code
RESERVABLE_TYPE	NULL	NUMBER	Hard reservations allowed flag
POSITIVE_MEASUREMENT_ERROR	NULL	NUMBER	Percent error above measured quantity
NEGATIVE_MEASUREMENT_ERROR	NULL	NUMBER	Percent error below measured quantity
ENGINEERING_ECN_CODE	NULL	VARCHAR2(50)	Engineering ECN code
ENGINEERING_ITEM_ID	NULL	NUMBER	Engineering implemented item identifier
ENGINEERING_DATE	NULL	DATE	Engineering implementation date
SERVICE_STARTING_DELAY	NULL	NUMBER	Days after shipment that service begins

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Column Descriptions (Continued)

Name	Null?	Type	Description
VENDOR_WARRANTY_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating service for the item is provided by a supplier
SERVICEABLE_COMPONENT_FLAG	NULL	VARCHAR2(1)	Indicates whether the item is serviceable by other service-type items and whether it can be referenced as the component of another item
SERVICEABLE_PRODUCT_FLAG	NOT NULL	VARCHAR2(1)	Indicates whether the item is serviceable by other service-type items and can have service requests reported against it
BASE_WARRANTY_SERVICE_ID	NULL	NUMBER	Base warranty identifier
PAYMENT_TERMS_ID	NULL	NUMBER	Payment terms identifier
PREVENTIVE_MAINTENANCE_FLAG	NULL	VARCHAR2(1)	Flag indicating whether item can be a preventive maintenance service item
PRIMARY_SPECIALIST_ID	NULL	NUMBER	Primary service specialist
SECONDARY_SPECIALIST_ID	NULL	NUMBER	Secondary service specialist
SERVICEABLE_ITEM_CLASS_ID	NULL	NUMBER	Serviceable item class identifier
TIME_BILLABLE_FLAG	NULL	VARCHAR2(1)	Flag indicating service labor hours are billable
MATERIAL_BILLABLE_FLAG	NULL	VARCHAR2(30)	Flag indicating service material is billable
EXPENSE_BILLABLE_FLAG	NULL	VARCHAR2(1)	Flag indicating service expenses are billable
PRORATE_SERVICE_FLAG	NULL	VARCHAR2(1)	Flag indicating cost of service may be prorated
COVERAGE_SCHEDULE_ID	NULL	NUMBER	Coverage schedule identifier
SERVICE_DURATION_PERIOD_CODE	NULL	VARCHAR2(10)	Period code for default service duration
SERVICE_DURATION	NULL	NUMBER	Default service duration
WARRANTY_VENDOR_ID	NULL	NUMBER	Service supplier identifier
MAX_WARRANTY_AMOUNT	NULL	NUMBER	Monetary value of service costs covered by the item
RESPONSE_TIME_PERIOD_CODE	NULL	VARCHAR2(30)	Period code for service response time
RESPONSE_TIME_VALUE	NULL	NUMBER	Default response time
NEW_REVISION_CODE	NULL	VARCHAR2(30)	Indicates how to notify customers of new revisions of the item
INVOICEABLE_ITEM_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item may appear on invoices
TAX_CODE	NULL	VARCHAR2(50)	Tax code
INVOICE_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Indicates whether the item can be invoiced
MUST_USE_APPROVED_VENDOR_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating purchases restricted to approved supplier
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
OUTSIDE_OPERATION_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item may appear on outside operation purchase order
OUTSIDE_OPERATION_UOM_TYPE	NULL	VARCHAR2(25)	Outside operation unit of measure
SAFETY_STOCK_BUCKET_DAYS	NULL	NUMBER	Safety stock bucket days

Column Descriptions (Continued)

Name	Null?	Type	Description
AUTO_REDUCE_MPS	NULL	NUMBER(22)	Automatically deletes MPS entries within a time period
COSTING_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating cost information is maintained
AUTO_CREATED_CONFIG_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating configuration item automatically created
CYCLE_COUNT_ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag indicating item may be cycle counted
ITEM_TYPE	NULL	VARCHAR2(30)	User-defined item type
MODEL_CONFIG_CLAUSE_NAME	NULL	VARCHAR2(10)	(not currently used)
SHIP_MODEL_COMPLETE_FLAG	NULL	VARCHAR2(1)	Flag indicating model must be complete to ship
MRP_PLANNING_CODE	NULL	NUMBER	MRP Planning option
RETURN_INSPECTION_REQUIREMENT	NULL	NUMBER	RMA inspection requirement
ATO_FORECAST_CONTROL	NULL	NUMBER	Type of forecast control for ATO
RELEASE_TIME_FENCE_CODE	NULL	NUMBER	Flag to indicate if this item is auto releasable by MRP
RELEASE_TIME_FENCE_DAYS	NULL	NUMBER	Number of days within which this item should be auto released
CONTAINER_ITEM_FLAG	NULL	VARCHAR2(1)	Flag indicating if the item is a container. Used for shipping sales orders
VEHICLE_ITEM_FLAG	NULL	VARCHAR2(1)	Indicates if the item is a vehicle or not. Used for shipping sales orders
MAXIMUM_LOAD_WEIGHT	NULL	NUMBER	Maximum load weight of a container or a vehicle that can be used for shipping sales orders
MINIMUM_FILL_PERCENT	NULL	NUMBER	Minimum fill condition under which the container or vehicle should be used
CONTAINER_TYPE_CODE	NULL	VARCHAR2(30)	Container type code for container items. Container types are user defineable
INTERNAL_VOLUME	NULL	NUMBER	Internal volume for container items. Used by Shipping to calculate container capacity restrictions
WH_UPDATE_DATE	NULL	DATE	Warehouse update date for tracking changes relevant to data collected in Data Warehouse
PRODUCT_FAMILY_ITEM_ID	NULL	NUMBER	If the item is product family member, stores the product family identifier. Used in Production Planning
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(150)	Global descriptive flexfield structure defining column
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Global descriptive flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Global descriptive flexfield segment
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Global descriptive flexfield segment
PURCHASING_TAX_CODE	NULL	VARCHAR2(50)	Purchasing tax code
OVERCOMPLETION_TOLERANCE_TYPE	NULL	NUMBER	Overcompletion tolerance type
OVERCOMPLETION_TOLERANCE_VALUE	NULL	NUMBER	Overcompletion tolerance value
EFFECTIVITY_CONTROL	NULL	NUMBER	Effectivity control code. Indicates if the item is under Date Effectivity or Model/Unit Number Effectivity control.
CHECK_SHORTAGES_FLAG	NULL	VARCHAR2(1)	Flag indicating material shortages should be checked for this item
OVER_SHIPMENT_TOLERANCE	NULL	NUMBER	Over shipment tolerance
UNDER_SHIPMENT_TOLERANCE	NULL	NUMBER	Under shipment tolerance
OVER_RETURN_TOLERANCE	NULL	NUMBER	Over return tolerance
UNDER_RETURN_TOLERANCE	NULL	NUMBER	Under return tolerance
EQUIPMENT_TYPE	NULL	NUMBER	Flag indicating item is equipment
RECOVERED_PART_DISP_CODE	NULL	VARCHAR2(30)	Indicates return is required for recovered pars, scrap in field, which is used for spare parts
DEFECT_TRACKING_ON_FLAG	NULL	VARCHAR2(1)	Specifies whether a defect or bug can be filed against the product
USAGE_ITEM_FLAG	NULL	VARCHAR2(1)	Flag indicating an item represents usage. Usage items can be sold as a use of something
EVENT_FLAG	NULL	VARCHAR2(1)	Identifies item as an event
ELECTRONIC_FLAG	NULL	VARCHAR2(1)	Flag indicating an item exists only in electronic format and not physical
DOWNLOADABLE_FLAG	NULL	VARCHAR2(1)	Flag indicating an item is downloadable
VOL_DISCOUNT_EXEMPT_FLAG	NULL	VARCHAR2(1)	Indicates an item does not contribute to volume discount for any order
COUPON_EXEMPT_FLAG	NULL	VARCHAR2(1)	Indicates an item is excluded from coupons even if it is part of the group that any coupon applies
COMMS_NL_TRACKABLE_FLAG	NULL	VARCHAR2(1)	Identifies an item as network logistics trackable
ASSET_CREATION_CODE	NULL	VARCHAR2(30)	Used to specify when an asset should be created
COMMS_ACTIVATION_REQD_FLAG	NULL	VARCHAR2(1)	Indicates an item requires activation on a network
ORDERABLE_ON_WEB_FLAG	NULL	VARCHAR2(1)	Indicates whether an item is orderable on the web or not. iStore will only sell items with this flag to be true
BACK_ORDERABLE_FLAG	NULL	VARCHAR2(1)	If ATP failed, can item be back ordered

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## Column Descriptions (Continued)

Name	Null?	Type	Description
WEB_STATUS	NULL	VARCHAR2(30)	Specifies item web status, which can be web enabled, web published, or neither
INDIVISIBLE_FLAG	NULL	VARCHAR2(1)	Item unit is indivisible
DIMENSION_UOM_CODE	NULL	VARCHAR2(3)	Item dimensions unit of measure code
UNIT_LENGTH	NULL	NUMBER	Item length
UNIT_WIDTH	NULL	NUMBER	Item width
UNIT_HEIGHT	NULL	NUMBER	Item height
BULK_PICKED_FLAG	NULL	VARCHAR2(1)	Material pick method
LOT_STATUS_ENABLED	NULL	VARCHAR2(1)	Lot status enabled
DEFAULT_LOT_STATUS_ID	NULL	NUMBER	Default lot status
SERIAL_STATUS_ENABLED	NULL	VARCHAR2(1)	Serial status enabled
DEFAULT_SERIAL_STATUS_ID	NULL	NUMBER	Default serial status
LOT_SPLIT_ENABLED	NULL	VARCHAR2(1)	Lot split enabled
LOT_MERGE_ENABLED	NULL	VARCHAR2(1)	Lot merge enabled
INVENTORY_CARRY_PENALTY	NULL	NUMBER	Penalty incurred for holding this item inventory
OPERATION_SLACK_PENALTY	NULL	NUMBER	Penalty incurred for a time in between two operations
FINANCING_ALLOWED_FLAG	NULL	VARCHAR2(1)	Item is eligible for financing

## Indexes

Index Name	Index Type	Sequence	Column Name
MTL_SYSTEM_ITEMS_B_N1	NOT UNIQUE	1 2	ORGANIZATION_ID SEGMENT1
MTL_SYSTEM_ITEMS_B_N2	NOT UNIQUE	1 2	ORGANIZATION_ID DESCRIPTION
MTL_SYSTEM_ITEMS_B_N3	NOT UNIQUE	1	INVENTORY_ITEM_STATUS_CODE
MTL_SYSTEM_ITEMS_B_N4	NOT UNIQUE	1 2	ORGANIZATION_ID AUTO_CREATED_CONFIG_FLAG
MTL_SYSTEM_ITEMS_B_N5	NOT UNIQUE	2	WH_UPDATE_DATE
MTL_SYSTEM_ITEMS_B_N6	NOT UNIQUE	2 4	ITEM_CATALOG_GROUP_ID CATALOG_STATUS_FLAG
MTL_SYSTEM_ITEMS_B_N7	NOT UNIQUE	2 4	PRODUCT_FAMILY_ITEM_ID ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B_U1	UNIQUE	1 2	INVENTORY_ITEM_ID ORGANIZATION_ID

## Sequences

Sequence	Derived Column
MTL_SYSTEM_ITEMS_B_S	INVENTORY_ITEM_ID

## Database Triggers

Trigger Name : MTL\_SYSTEM\_ITEMS\_T6\_BOM  
 Trigger Time : AFTER  
 Trigger Level : ROW  
 Trigger Event : INSERT

This trigger creates categories corresponding to product family items being created. It also assigns product family items to their corresponding categories. The trigger uses data that has been stored in the BOM\_PFI\_PVT package PL/SQL tables by the row level trigger.

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Trigger Name : MTL\_SYSTEM\_ITEMS\_T1\_BOM  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : INSERT

This trigger stores product family item identifier used later by the statement level trigger for creation of the corresponding category when a new product family item is defined. It makes calls to the BOM\_PFI\_PVT package procedures.

Trigger Name : MTL\_SYSTEM\_ITEMS\_B\_T2\_BOM  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : DELETE

This trigger stores corresponding category identifier that is used later by the statement level trigger for deletion of the category when the product family item is deleted. It makes calls to BOM\_PFI\_PVT package procedures.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T3\_BOM  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : UPDATE

This trigger performs the following functions depending on conditions: 1. Creates product family category when item attribute BOM\_ITEM\_TYPE is updated to 5. 2. When the item attribute BOM\_ITEM\_TYPE is changed from 5 to any other value, the trigger stores corresponding category identifier for later deletion of the category by the statement level trigger. 3. Removes an item assignment to the corresponding product family category when the PRODUCT\_FAMILY\_ITEM\_ID column of that item is changed. 4. When the PRODUCT\_FAMILY\_ITEM\_ID column is changed to non-null, stores category ID in the BOM\_PFI\_PVT package PL/SQL table for an item assignment to that category later by the statement-level trigger.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T4\_BOM  
Trigger Time : AFTER  
Trigger Level : STATEMENT  
Trigger Event : UPDATE

This trigger performs the following functions depending on updates of the BOM\_ITEM\_TYPE and PRODUCT\_FAMILY\_ITEM\_ID columns: 1. Creates categories corresponding to product family items. 2. Assigns new product family items to their corresponding categories. 3. Deletes product family categories. The trigger uses data that has been stored in the BOM\_PFI\_PVT package PL/SQL tables by the row level trigger.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T5\_BOM  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : DELETE

This trigger deletes categories corresponding to product family items being deleted. The trigger uses data that has been stored in the BOM\_PFI\_PVT package PL/SQL tables by the row level trigger.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T1  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : UPDATE

The trigger is executed when the COSTING\_ENABLED\_FLAG field in the MTL\_SYSTEM\_ITEMS table is modified from Yes to No or vice versa. Before updating COSTING\_ENABLED\_FLAG field, the trigger performs the following tasks for each record that is modified:

- Insert a record into CST\_ITEM\_COSTS table if COSTING\_ENABLED\_FLAG field is changed from No to Yes.
- Delete a record from CST\_ITEM\_COSTS table if COSTING\_ENABLED\_FLAG field is changed from Yes to No.

Trigger Name : MTL\_SYSTEM\_ITEMS\_B\_T2\_IBE  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : DELETE

This trigger calls iStore procedures to update relationships, section-items and search tables that depend on MTL\_SYSTEM\_ITEMS\_B table.

Trigger Name : MTL\_SYSTEM\_ITEMS\_B\_T3\_IBE  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : UPDATE

This trigger calls iStore procedures to update relationships and section-items tables that depend on MTL\_SYSTEM\_ITEMS\_B table.



## MTL\_TRANSACTION\_LOT\_NUMBERS

MTL\_TRANSACTION\_LOT\_NUMBERS stores lot number information for transactions in the MTL\_MATERIAL\_TRANSACTIONS table.

TRANSACTION\_ID joins to

MTL\_MATERIAL\_TRANSACTIONS.TRANSACTION\_ID.

SERIAL\_TRANSACTION\_ID joins to

MTL\_UNIT\_TRANSACTIONS.TRANSACTION\_ID when also under serial control.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_LOT_NUMBERS	LOT_NUMBER INVENTORY_ITEM_ID ORGANIZATION_ID	LOT_NUMBER INVENTORY_ITEM_ID ORGANIZATION_ID
MTL_MATERIAL_TRANSACTIONS	TRANSACTION_ID	TRANSACTION_ID
MTL_TXN_SOURCE_TYPES	TRANSACTION_SOURCE_TYPE_ID	TRANSACTION_SOURCE_TYPE_ID
MTL_UNIT_TRANSACTIONS	TRANSACTION_ID	SERIAL_TRANSACTION_ID

### Column Descriptions

Name	Null?	Type	Description
TRANSACTION_ID (PK)	NULL	NUMBER	Transaction identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
INVENTORY_ITEM_ID	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
TRANSACTION_DATE	NOT NULL	DATE	Transaction date
TRANSACTION_SOURCE_ID	NULL	NUMBER	Transaction disposition (derived from MTL_MATERIAL_TRANSACTIONS)
TRANSACTION_SOURCE_TYPE_ID	NULL	NUMBER	Disposition type code
TRANSACTION_SOURCE_NAME	NULL	VARCHAR2(240)	Name of the transaction source
TRANSACTION_QUANTITY	NOT NULL	NUMBER	Transaction quantity, in the user's current unit of measure
PRIMARY_QUANTITY	NOT NULL	NUMBER	Transacted Quantity, in the item's primary unit of measure
LOT_NUMBER (PK)	NOT NULL	VARCHAR2(30)	Lot number
SERIAL_TRANSACTION_ID	NULL	NUMBER	Serial transaction identifier - links this table with the corresponding rows in the serial numbers table
DESCRIPTION	NULL	VARCHAR2(256)	Description for the lot number - Used By WMS Only
VENDOR_ID	NULL	NUMBER	Supplier identification (from po_vendors table) - Used By WMS Only
SUPPLIER_LOT_NUMBER	NULL	VARCHAR2(150)	SUPPLIER LOT NUMBER - Used By WMS Only
TERRITORY_CODE	NULL	VARCHAR2(30)	Territory Code TERRITORY CODE
ORIGINATION_DATE	NULL	DATE	ORIGINATION DATE - Used By WMS Only
DATE_CODE	NULL	VARCHAR2(150)	DATE CODE- Used By WMS Only

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Column Descriptions (Continued)

Name	Null?	Type	Description
GRADE_CODE	NULL	VARCHAR2(150)	GRADE CODE- Used By WMS Only
CHANGE_DATE	NULL	DATE	CHANGE DATE - Used By WMS Only
MATURITY_DATE	NULL	DATE	MATURITY DATE- Used By WMS Only
STATUS_ID	NULL	NUMBER	STATUS IDENTIFIER - Used by WMS only
RETEST_DATE	NULL	DATE	RETEST DATE- Used By WMS Only
AGE	NULL	NUMBER	AGE- Used By WMS Only
ITEM_SIZE	NULL	NUMBER	ITEM SIZE- Used By WMS Only
COLOR	NULL	VARCHAR2(150)	COLOR- Used By WMS Only
VOLUME	NULL	NUMBER	VOLUME- Used By WMS Only
VOLUME_UOM	NULL	VARCHAR2(3)	VOLUME UOM- Used By WMS Only
PLACE_OF_ORIGIN	NULL	VARCHAR2(150)	PLACE OF ORIGIN
BEST_BY_DATE	NULL	DATE	BEST BY DATE- Used By WMS Only
LENGTH	NULL	NUMBER	LENGTH- Used By WMS Only
LENGTH_UOM	NULL	VARCHAR2(3)	LENGTH UOM- Used By WMS Only
WIDTH	NULL	NUMBER	WIDTH- Used By WMS Only
WIDTH_UOM	NULL	VARCHAR2(3)	WIDTH UOM- Used By WMS Only
RECYCLED_CONTENT	NULL	NUMBER	RECYCLED CONTENT- Used By WMS Only
THICKNESS	NULL	NUMBER	THICKNESS- Used By WMS Only
THICKNESS_UOM	NULL	VARCHAR2(3)	THICKNESS UOM- Used By WMS Only
CURL_WRINKLE_FOLD	NULL	VARCHAR2(150)	CURL WRINKLE FOLD- Used By WMS Only
LOT_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	LOT ATTRIBUTE CATEGORY- Used By WMS Only
C_ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE16	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE17	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only

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Column Descriptions (Continued)

Name	Null?	Type	Description
C_ATTRIBUTE18	NULL	VARCHAR2(150)	Descriptive Flexfield- Used By WMS Only
C_ATTRIBUTE19	NULL	VARCHAR2(150)	Descriptive Flexfield Segment- Used By WMS Only
C_ATTRIBUTE20	NULL	VARCHAR2(150)	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE1	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE2	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE3	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE4	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE5	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE6	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE7	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE8	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE9	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
D_ATTRIBUTE10	NULL	DATE	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE1	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE2	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE3	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE4	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE5	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE6	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE7	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE8	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE9	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only
N_ATTRIBUTE10	NULL	NUMBER	Descriptive Flexfield Segment- Used By WMS Only

Indexes

Index Name	Index Type	Sequence	Column Name
MTL_TRANSACTION_LOT_NUMBERS_N1	NOT UNIQUE	1	TRANSACTION_ID
MTL_TRANSACTION_LOT_NUMBERS_N2	NOT UNIQUE	1	ORGANIZATION_ID
		2	TRANSACTION_DATE
MTL_TRANSACTION_LOT_NUMBERS_N3	NOT UNIQUE	1	ORGANIZATION_ID
		2	LOT_NUMBER
MTL_TRANSACTION_LOT_NUMBERS_N4	NOT UNIQUE	1	TRANSACTION_SOURCE_ID

## MTL\_UNITS\_OF\_MEASURE\_TL

MTL\_UNITS\_OF\_MEASURE\_TL is the definition table for both the 25-character and the 3-character units of measure. The base\_uom\_flag indicates if the unit of measure is the primary unit of measure for the uom\_class. Oracle Inventory uses this table to keep track of the units of measure used to transact an item. This table is also used by Oracle Purchasing, Oracle Order Management and Oracle Shipping Execution.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_UOM_CLASSES_TL	UOM_CLASS	UOM_CLASS

### Column Descriptions

Name	Null?	Type	Description
UNIT_OF_MEASURE (PK)	NOT NULL	VARCHAR2(25)	Unit of measure name
UOM_CODE	NOT NULL	VARCHAR2(3)	Abbreviated unit of measure code
UOM_CLASS	NOT NULL	VARCHAR2(10)	Unit of measure class
BASE_UOM_FLAG	NOT NULL	VARCHAR2(1)	Base unit of measure flag
UNIT_OF_MEASURE_TL	NOT NULL	VARCHAR2(25)	Unit of measure name translation
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DISABLE_DATE	NULL	DATE	Date when the unit can no longer be used to define conversions
DESCRIPTION	NULL	VARCHAR2(50)	Unit of measure description
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
MTL_UNITS_OF_MEASURE_TL_N1	NOT UNIQUE	5	UOM_CLASS
MTL_UNITS_OF_MEASURE_TL_U1	UNIQUE	1	UNIT_OF_MEASURE
		2	LANGUAGE
MTL_UNITS_OF_MEASURE_TL_U2	UNIQUE	1	UOM_CODE
		2	LANGUAGE

## MTL\_UOM\_CONVERSIONS

MTL\_UOM\_CONVERSIONS stores conversion rates between non-base units of measure and their base unit. The non-base units of measure are stored in the table.

The default\_conversion\_flag indicates that the conversion being defined is 1) associated with a specific item and 2) the conversion between units of measure has already been defined as a standard conversion with the same conversion rate.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
MTL_UNITS_OF_MEASURE_TL	UNIT_OF_MEASURE	UNIT_OF_MEASURE
MTL_UOM_CLASSES_TL	UOM_CLASS	UOM_CLASS

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
DEFAULT_CONVERSION_FLAG	YES_NO N Y	FND_LOOKUPS No Yes

### Column Descriptions

Name	Null?	Type	Description
UNIT_OF_MEASURE (PK)	NOT NULL	VARCHAR2(25)	Unit of measure long name
UOM_CODE	NOT NULL	VARCHAR2(3)	Unit of measure short name
UOM_CLASS	NOT NULL	VARCHAR2(10)	Class of the conversion unit of measure (derived from MTL_UNITS_OF_MEASURE)
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
CONVERSION_RATE	NULL	NUMBER	Conversion rate from conversion unit to base unit of class
DEFAULT_CONVERSION_FLAG	NOT NULL	VARCHAR2(1)	'Y' if conversion is the same as the default conversion
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DISABLE_DATE	NULL	DATE	Date when the conversion is no longer valid to be used in the system (transactions, etc)
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
LENGTH	NULL	NUMBER	Length of Item-UOM
WIDTH	NULL	NUMBER	Width of item-UOM
HEIGHT	NULL	NUMBER	Height of item-UOM
DIMENSION_UOM	NULL	VARCHAR2(3)	UOM for item-UOM dimensions

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### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_UOM_CONVERSIONS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	UNIT_OF_MEASURE
MTL_UOM_CONVERSIONS_U2	UNIQUE	1	INVENTORY_ITEM_ID
		2	UOM_CODE

## PA\_PROJECTS\_ALL

PA\_PROJECTS\_ALL stores the highest units of work defined in Oracle Projects at which funding can be allocated and at which revenue, invoices, unbilled receivables, and unearned revenue are generated and maintained. At the project level, users can specify the methods to be used for revenue accrual and billing, and the invoice formats to be used for invoicing. A project is broken down into one or more tasks. All projects can be funded by one or more agreements.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	CARRYING_OUT_ORGANIZATION_ID
PA_BILLING_CYCLES	BILLING_CYCLE_ID	BILLING_CYCLE_ID
PA_CC_TP_SCHEDULES_BG	TP_SCHEDULE_ID	LABOR_TP_SCHEDULE_ID
PA_CC_TP_SCHEDULES_BG	TP_SCHEDULE_ID	NL_TP_SCHEDULE_ID
PA_DISTRIBUTION_RULES	DISTRIBUTION_RULE	DISTRIBUTION_RULE
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	COST_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	OVR_COST_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	REV_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	OVR_REV_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	INV_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	OVR_INV_IND_RATE_SCH_ID
PA_INVOICE_FORMATS	INVOICE_FORMAT_ID	LABOR_INVOICE_FORMAT_ID
PA_INVOICE_FORMATS	INVOICE_FORMAT_ID	NON_LABOR_INVOICE_FORMAT_ID
PA_INVOICE_FORMATS	INVOICE_FORMAT_ID	RETENTION_INVOICE_FORMAT_ID
PA_PROJECT_STATUSES	PROJECT_STATUS_CODE	PROJECT_STATUS_CODE
PA_PROJECT_TYPES_ALL	PROJECT_TYPE	PROJECT_TYPE
	ORG_ID	ORG_ID
PA_ROLE_LISTS	ROLE_LIST_ID	ROLE_LIST_ID
PA_STD_BILL_RATE_SCHEDULES_ALL	ORGANIZATION_ID	LABOR_BILL_RATE_ORG_ID
	STD_BILL_RATE_SCHEDULE	LABOR_STD_BILL_RATE_SCHDL
	ORG_ID	ORG_ID
PA_STD_BILL_RATE_SCHEDULES_ALL	ORGANIZATION_ID	NON_LABOR_BILL_RATE_ORG_ID
	STD_BILL_RATE_SCHEDULE	NON_LABOR_STD_BILL_RATE_SCHDL
	ORG_ID	ORG_ID
PER_JOB_GROUPS	JOB_GROUP_ID	BILL_JOB_GROUP_ID
PER_JOB_GROUPS	JOB_GROUP_ID	COST_JOB_GROUP_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
LABOR_SCH_TYPE	PROJECT SCHEDULE TYPE	PA_LOOKUPS
	B	Bill Rate
	I	Indirect
NON_LABOR_SCH_TYPE	PROJECT SCHEDULE TYPE	PA_LOOKUPS
	B	Bill Rate
	I	Indirect
PM_PRODUCT_CODE	PM_PRODUCT_CODE	PA_LOOKUPS
PROJECT_STATUS_CODE	PROJECT STATUS	PA_LOOKUPS
	ACTIVE	Active
	CLOSED	Closed
WF_STATUS_CODE	WF_STATUS_CODE	PA_LOOKUPS
	IN_ROUTE	In Progress

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QuickCodes Columns (Continued)

Column	QuickCodes Type		QuickCodes Table
	REJECTED		Rejected
Column Descriptions			
Name	Null?	Type	Description
PROJECT_ID (PK)	NOT NULL	NUMBER(15)	The system-generated number that uniquely identifies the project
NAME	NOT NULL	VARCHAR2(30)	User-defined name that uniquely identifies the project
SEGMENT1	NOT NULL	VARCHAR2(25)	The project number that uniquely identifies the project. The project number can be user-entered or system-generated as defined in the implementation options
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who Column
CREATION_DATE	NOT NULL	DATE	Standard Who Column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_LOGIN	NOT NULL	NUMBER(15)	Standard Who Column
PROJECT_TYPE	NOT NULL	VARCHAR2(20)	The project type that classifies the project and defaults project information upon project entry
CARRYING_OUT_ORGANIZATION_ID	NOT NULL	NUMBER(15)	The identifier of the organization that is responsible for the project work
PUBLIC_SECTOR_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates whether the project is in the public sector or the private sector
PROJECT_STATUS_CODE	NOT NULL	VARCHAR2(30)	The status of the project.
DESCRIPTION	NULL	VARCHAR2(250)	The description of the project
START_DATE	NULL	DATE	The date on which the project starts; expenditure items with item dates before the start date cannot be entered for the project
COMPLETION_DATE	NULL	DATE	The date on which the project is completed; expenditure items with item dates after the completion date cannot be entered for the project
CLOSED_DATE	NULL	DATE	The date that the project was closed by changing the project status to Closed
DISTRIBUTION_RULE	NULL	VARCHAR2(30)	The distribution rule that specifies the contract project's revenue accrual and billing method
LABOR_INVOICE_FORMAT_ID	NULL	NUMBER(15)	The identifier of the invoice format used to group and format labor expenditure items into invoice lines
NON_LABOR_INVOICE_FORMAT_ID	NULL	NUMBER(15)	The identifier of the invoice format used to group and format non-labor expenditure items into invoice lines
RETENTION_INVOICE_FORMAT_ID	NULL	NUMBER(15)	The identifier of the invoice format used to format a retention line on the project's invoices

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Column Descriptions (Continued)

Name	Null?	Type	Description
RETENTION_PERCENTAGE	NULL	NUMBER(15)	The percentage to be retained on each invoice generated for the project
BILLING_OFFSET	NULL	NUMBER(15)	The number of days after the project start date when the first invoice for the project is created
BILLING_CYCLE	NULL	NUMBER(15)	Obsolete
LABOR_STD_BILL_RATE_SCHDL	NULL	VARCHAR2(20)	The labor standard bill rate schedule that defaults to new tasks created for the project
LABOR_BILL_RATE_ORG_ID	NULL	NUMBER(15)	The identifier of the organization that owns the labor standard bill rate schedule
LABOR_SCHEDULE_FIXED_DATE	NULL	DATE	The fixed date used to determine the effective bill rates of the standard labor bill rate schedule. The project fixed date is a default for the task fixed date
LABOR_SCHEDULE_DISCOUNT	NULL	NUMBER(7,4)	The percentage to be discounted from the standard labor bill rate schedule. The project discount is a default for the task discount
NON_LABOR_STD_BILL_RATE_SCHDL	NULL	VARCHAR2(30)	The non-labor standard bill rate schedule that defaults to new tasks created for the project
NON_LABOR_BILL_RATE_ORG_ID	NULL	NUMBER(15)	The identifier of the organization that owns the non-labor standard bill rate schedule
NON_LABOR_SCHEDULE_FIXED_DATE	NULL	DATE	The fixed date used to determine the effective bill rates of the standard non-labor bill rate schedule. The project fixed date is a default for the task fixed date
NON_LABOR_SCHEDULE_DISCOUNT	NULL	NUMBER(7,4)	The percentage to be discounted from the standard non-labor bill rate schedule. The project discount is a default for the task discount
LIMIT_TO_TXN_CONTROLS_FLAG	NULL	VARCHAR2(1)	Flag that indicates if users can only charge expenditures to the project that are listed in the transaction controls. If flag =Y, then only items listed in the controls are allowed. If flag =N or null, then items not listed are allowed
PROJECT_LEVEL_FUNDING_FLAG	NULL	VARCHAR2(1)	Flag that indicates if the project is funded at the project level ('Y') or at the top task level ('N'). This flag is set when the project is baselined
INVOICE_COMMENT	NULL	VARCHAR2(240)	Free text comment that can be printed on an invoice. The invoice comment defined for the project is defaulted to the invoice comment for the draft invoices of the project

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Column Descriptions (Continued)

Name	Null?	Type	Description
UNBILLED_RECEIVABLE_DR	NULL	NUMBER(22,5)	The unbilled receivables balance for the project that is posted to Oracle General Ledger or Oracle Receivables. This value is maintained by the Transfer Revenue and Transfer Invoices processes
UNEARNED_REVENUE_CR	NULL	NUMBER(22,5)	The unearned revenue balance for the project that is posted to Oracle General Ledger or Oracle Receivables. This value is maintained by the Transfer Revenue and Transfer Invoices processes
REQUEST_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who Column
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flag used with the project key flexfield. The project key flexfield is not implemented
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flag used with the key flexfield. The project key flexfield is not implemented
SEGMENT2	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT3	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT4	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT5	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT6	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT7	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT8	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT9	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
SEGMENT10	NULL	VARCHAR2(25)	Key flexfield segment - not implemented
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield context field
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
COST_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default costing burden schedule
REV_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default revenue burden schedule
INV_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default invoice burden schedule

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Column Descriptions (Continued)

Name	Null?	Type	Description
COST_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm costing burden schedule
REV_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm revenue burden schedule
INV_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm invoice burden schedule
LABOR_SCH_TYPE	NULL	VARCHAR2(1)	The schedule type of labor expenditure items
NON_LABOR_SCH_TYPE	NULL	VARCHAR2(1)	The schedule type of non-labor expenditure items
OVR_COST_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
OVR_REV_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
OVR_INV_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
TEMPLATE_FLAG	NULL	VARCHAR2(1)	Indicates whether the project is a Template or Not
VERIFICATION_DATE	NULL	DATE	Not currently used
CREATED_FROM_PROJECT_ID	NULL	NUMBER(15)	Holds the Project_id of the source project. This value would be null for templates
TEMPLATE_START_DATE_ACTIVE	NULL	DATE	The Effective start date of the Template
TEMPLATE_END_DATE_ACTIVE	NULL	DATE	Last effective date of the template
ORG_ID	NULL	NUMBER(15)	Operating unit identifier for multi-organization installations
PM_PRODUCT_CODE	NULL	VARCHAR2(30)	The identifier of the external project management system from which the project was imported.
PM_PROJECT_REFERENCE	NULL	VARCHAR2(25)	The identifier of the project in the external project management system from which the project was imported.
ACTUAL_START_DATE	NULL	DATE	The actual start date of the project. Applicable only for a project that has originated from an external system.
ACTUAL_FINISH_DATE	NULL	DATE	The actual end date of the project. Applicable only for a project that has originated from an external system.
EARLY_START_DATE	NULL	DATE	The early start date of the project. Applicable only for a project that has originated from an external system.
EARLY_FINISH_DATE	NULL	DATE	The early finish date of the project. Applicable only for a project that has originated from an external system.
LATE_START_DATE	NULL	DATE	The late start date of the project. Applicable only for a project that has originated from an external system.
LATE_FINISH_DATE	NULL	DATE	The late finish date of the project. Applicable only for a project that has originated from an external system.
SCHEDULED_START_DATE	NULL	DATE	The scheduled start date of the project. Applicable only for a project that has originated from an external system.

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Column Descriptions (Continued)

Name	Null?	Type	Description
SCHEDULED_FINISH_DATE	NULL	DATE	The scheduled finish date of the project. Applicable only for a project that has originated from an external system.
BILLING_CYCLE_ID	NULL	NUMBER(15)	The identifier of the billing cycle which applies to the project
ADW_NOTIFY_FLAG	NULL	VARCHAR2(1)	The flag that indicates whether this row needs to be sent to the interface table or not. This column is required for Oracle Project Analysis Collection Pack.
WF_STATUS_CODE	NULL	VARCHAR2(30)	Indicates the status of the workflow associated with the project
OUTPUT_TAX_CODE	NULL	VARCHAR2(50)	Indicates whether tax rate defined for Projects will be used for Customer Invoices
RETENTION_TAX_CODE	NULL	VARCHAR2(50)	Indicates whether tax rate defined for retention will be used for Customer Invoices
PROJECT_CURRENCY_CODE	NOT NULL	VARCHAR2(15)	Currency code of the project
ALLOW_CROSS_CHARGE_FLAG	NOT NULL	VARCHAR2(1)	Flag to indicate whether cross charge are allowed
PROJECT_RATE_DATE	NULL	DATE	Default value for project rate date which can be overridden at task
PROJECT_RATE_TYPE	NULL	VARCHAR2(30)	Default value for project rate type which can be overridden at task
CC_PROCESS_LABOR_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates cross charge processing is to be performed for labor transactions charged to the project. Default value for the project template is N. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date.
LABOR_TP_SCHEDULE_ID	NULL	NUMBER	Identifier for transfer price schedule to use for cross charged labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date. It cc_process_labor_flag is set to Y, this field is required.
LABOR_TP_FIXED_DATE	NULL	DATE	Fixed date to find the effective rate of the bill rate or burden schedule when determining the transfer price for labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date.

Column Descriptions (Continued)

Name	Null?	Type	Description
CC_PROCESS_NL_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates cross charge processing is to be performed for n on-labor transactions charged to the project. Default value for the project template is N. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date.
NL_TP_SCHEDULE_ID	NULL	NUMBER	Identifier for transfer price schedule to use for cross charged non-labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date. If cc_process_nl_flag is set to Y, this field is required.
NL_TP_FIXED_DATE	NULL	DATE	Fixed date to find the effective rate of the bill rate or burden schedule when determining the transfer price for non-labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date.
CC_TAX_TASK_ID	NULL	NUMBER	Identifier of the task to which intercompany tax items on the intercompany AP invoice are charged.
BILL_JOB_GROUP_ID	NULL	NUMBER(15)	Role_List is a list of allowable roles that are displayed when the Key/Team members are assigned.
COST_JOB_GROUP_ID	NULL	NUMBER(15)	
ROLE_LIST_ID	NULL	NUMBER(15)	
WORK_TYPE_ID	NULL	NUMBER(15)	Work_Types are predefined types of work, for example, Vacation, Training, and Administration.
CALENDAR_ID	NULL	NUMBER(15)	Define a calendar with calendar exceptions primarily public holidays.
LOCATION_ID	NULL	NUMBER(15)	Define a Project work site location.
PROBABILITY_MEMBER_ID	NULL	NUMBER(15)	Project probability represents the probability of a project becoming approved. It is used as a weighting average for reporting.
PROJECT_VALUE	NULL	NUMBER	Project value is used in reporting. For contract projects, it is the revenue amount. For capital and indirect projects, it is the cost amount. It is not assumed that the cost amount is raw or burdened.
EXPECTED_APPROVAL_DATE	NULL	DATE	The expected date of the project approval. This is used for information purposes only.

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#### Column Descriptions (Continued)

Name	Null?	Type	Description
RECORD_VERSION_NUMBER	NULL	NUMBER(15)	Storing Locking sequence number.
INITIAL_TEAM_TEMPLATE_ID	NULL	NUMBER(15)	
JOB_BILL_RATE_SCHEDULE_ID	NULL	NUMBER	Stores the Job based Bill Rate Schedule ID for the project
EMP_BILL_RATE_SCHEDULE_ID	NULL	NUMBER	Stores the Employee based Bill Rate Schedule ID for the project

#### Indexes

Index Name	Index Type	Sequence	Column Name
PA_PROJECTS_N1	NOT UNIQUE	1	LABOR_BILL_RATE_ORG_ID
		2	LABOR_STD_BILL_RATE_SCHDL
PA_PROJECTS_N2	NOT UNIQUE	1	CARRYING_OUT_ORGANIZATION_ID
PA_PROJECTS_N3	NOT UNIQUE	1	NON_LABOR_BILL_RATE_ORG_ID
		2	NON_LABOR_STD_BILL_RATE_SCHDL
PA_PROJECTS_N4	NOT UNIQUE	1	PROJECT_STATUS_CODE
PA_PROJECTS_N5	NOT UNIQUE	2	ADW_NOTIFY_FLAG
PA_PROJECTS_N6	NOT UNIQUE	5	TEMPLATE_FLAG
PA_PROJECTS_U1	UNIQUE	1	PROJECT_ID
PA_PROJECTS_U2	UNIQUE	1	SEGMENT1
PA_PROJECTS_U3	UNIQUE	1	NAME
PA_PROJECTS_U4	UNIQUE	1	PM_PROJECT_REFERENCE
		2	PM_PRODUCT_CODE

#### Sequences

Sequence	Derived Column
PA_PROJECTS_S	PROJECT_ID

#### Database Triggers

Trigger Name : PA\_ADW\_PROJECTS\_T1  
 Trigger Time : BEFORE  
 Trigger Level : ROW  
 Trigger Event : UPDATE

This trigger maintains the ADW\_NOTIFY\_COLUMN for any updates to PROJECT\_TYPE, NAME, SEGMENT1, DESCRIPTION and CARRYING\_OUT\_ORGANIZATION\_ID columns

## PA\_TASKS

PA\_TASKS stores user-defined subdivisions of project work. Tasks can be broken down into multiple levels of subtasks. The depth and width of the work breakdown structure (WBS) are unlimited. The WBS is held using the TASK\_ID and PARENT\_TASK\_ID columns. Two columns related to the WBS are denormalized: TOP\_TASK\_ID and WBS\_LEVEL.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	CARRYING_OUT_ORGANIZATION_ID
HR_ALL_ORGANIZATION_UNITS	ORGANIZATION_ID	CARRYING_OUT_ORGANIZATION_ID
PA_CC_TP_SCHEDULES_BG	TP_SCHEDULE_ID	LABOR_TP_SCHEDULE_ID
PA_CC_TP_SCHEDULES_BG	TP_SCHEDULE_ID	NL_TP_SCHEDULE_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	COST_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	INV_IND_RATE_SCH_ID
PA_IND_RATE_SCHEDULES_ALL_BG	IND_RATE_SCH_ID	REV_IND_RATE_SCH_ID
PA_LABOR_COST_MULTIPLIERS	LABOR_COST_MULTIPLIER_NAME	LABOR_COST_MULTIPLIER_NAME
PA_PROJECTS_ALL	PROJECT_ID	PROJECT_ID
PA_STD_BILL_RATE_SCHEDULES_ALL	ORGANIZATION_ID	LABOR_BILL_RATE_ORG_ID
PA_STD_BILL_RATE_SCHEDULES_ALL	STD_BILL_RATE_SCHEDULE	LABOR_STD_BILL_RATE_SCHDL
PA_STD_BILL_RATE_SCHEDULES_ALL	ORGANIZATION_ID	NON_LABOR_BILL_RATE_ORG_ID
PA_STD_BILL_RATE_SCHEDULES_ALL	STD_BILL_RATE_SCHEDULE	NON_LABOR_STD_BILL_RATE_SCHDL
PA_TASKS	TASK_ID	PARENT_TASK_ID
PA_TASKS	TASK_ID	TOP_TASK_ID
PER_ALL_PEOPLE_F	PERSON_ID	TASK_MANAGER_PERSON_ID
RA_ADDRESSES_ALL	ADDRESS_ID	ADDRESS_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
LABOR_SCH_TYPE	PROJECT SCHEDULE TYPE	PA_LOOKUPS
	B	Bill Rate
	I	Indirect
NON_LABOR_SCH_TYPE	PROJECT SCHEDULE TYPE	PA_LOOKUPS
	B	Bill Rate
	I	Indirect
PM_PRODUCT_CODE	PM_PRODUCT_CODE	PA_LOOKUPS
SERVICE_TYPE_CODE	SERVICE TYPE	PA_LOOKUPS

### Column Descriptions

Name	Null?	Type	Description
TASK_ID (PK)	NOT NULL	NUMBER(15)	The system-generated number that uniquely identifies the task
PROJECT_ID	NOT NULL	NUMBER(15)	The identifier of the project for which the task is a unit of work

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Column Descriptions (Continued)

Name	Null?	Type	Description
TASK_NUMBER	NOT NULL	VARCHAR2(25)	User-defined number that uniquely identifies the task within a project. It is recommended to number tasks based on the wbs since that is how tasks are ordered in some reports. However note: task numbers do not record the wbs structure
CREATION_DATE	NOT NULL	DATE	Standard Who Column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who Column
LAST_UPDATE_LOGIN	NOT NULL	NUMBER(15)	Standard Who Column
TASK_NAME	NOT NULL	VARCHAR2(20)	User-defined short name of the task
TOP_TASK_ID	NOT NULL	NUMBER(15)	The identifier of the top task to which this task rolls up. If the task is a top task, the top_task_id is set to its own task_id.
WBS_LEVEL	NOT NULL	NUMBER(3)	The level of the task in the work breakdown structure
READY_TO_BILL_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates whether the task is authorized to be invoiced. The flag is set only for top tasks, defaults to 'Y' upon creation of the task and is set to 'Y' or 'N' in the Control Revenue and Billing by Top Task form
READY_TO_DISTRIBUTE_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates whether the task is authorized for revenue accrual. The flag is set only for top tasks, defaults to 'Y' upon creation of the task, and is set to 'Y' or 'N' in the Control Revenue and Billing by Top Task form
PARENT_TASK_ID	NUL	NUMBER(15)	The identifier of the task that is the parent of the task in the project work breakdown structure
DESCRIPTION	NUL	VARCHAR2(250)	Description of the task
CARRYING_OUT_ORGANIZATION_ID	NOT NULL	NUMBER(15)	The identifier of the organization that is responsible for the task work. The project organization is defaulted to the task organization upon creation of the task
SERVICE_TYPE_CODE	NUL	VARCHAR2(30)	The type of work performed on the task
TASK_MANAGER_PERSON_ID	NUL	NUMBER(9)	The identifier of the employee that manages the task.
CHARGEABLE_FLAG	NUL	VARCHAR2(1)	Flag that indicates if expenditure items can be charged to the task. Only lowest level tasks can be chargeable

Column Descriptions (Continued)

Name	Null?	Type	Description
BILLABLE_FLAG	NULL	VARCHAR2(1)	Default flag for items charged to the task that indicates if the item can accrue revenue (Y or N). For capital projects this flag is used as capitalizable_flag. For indirect projects this flag is set to N and is not used.
LIMIT_TO_TXN_CONTROLS_FLAG	NULL	VARCHAR2(1)	Flag that indicates if users can only charge expenditures to the task that are listed in task's transaction controls. If flag =Y, then only items listed in controls are allowed. If flag = 'N' or null, then items not listed are allowed
START_DATE	NULL	DATE	The date on which the task starts; expenditure items with item dates before the start date cannot be entered for the task
COMPLETION_DATE	NULL	DATE	The date on which the task is completed; expenditure items with item dates after the task completion date cannot be entered for the task. You must enter a start date to enter a completion date.
ADDRESS_ID	NULL	NUMBER(15)	The identifier of the customer address that is the task work site. This value is defaulted from the project customer work site if only one project customer exists
LABOR_BILL_RATE_ORG_ID	NULL	NUMBER(15)	The identifier of the organization that owns the labor standard bill rate schedule
LABOR_STD_BILL_RATE_SCHDL	NULL	VARCHAR2(20)	The labor standard bill rate schedule that is used to calculate revenue for labor expenditure items charged to the task
LABOR_SCHEDULE_FIXED_DATE	NULL	DATE	The date used to determine the effective bill rates of the task standard labor bill rate schedule. If no fixed date is entered, the expenditure item date is used to determine the effective bill rate for the item
LABOR_SCHEDULE_DISCOUNT	NULL	NUMBER(7,4)	The percentage to be discounted from the task standard labor bill rate schedule
NON_LABOR_BILL_RATE_ORG_ID	NULL	NUMBER(15)	The identifier of the organization that owns the non-labor standard bill rate schedule
NON_LABOR_STD_BILL_RATE_SCHDL	NULL	VARCHAR2(30)	The non-labor standard bill rate schedule that is used to calculate revenue for non-labor expenditure items charged to the task

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Column Descriptions (Continued)

Name	Null?	Type	Description
NON_LABOR_SCHEDULE_FIXED_DATE	NULL	DATE	The fixed date used to determine the effective bill rates of the standard non-labor bill rate schedule. If no fixed date is entered, the expenditure item date is used to determine the effective bill rate of the item
NON_LABOR_SCHEDULE_DISCOUNT	NULL	NUMBER(7,4)	The percentage to be discounted from the task standard non-labor bill rate schedule
LABOR_COST_MULTIPLIER_NAME	NULL	VARCHAR2(20)	The labor cost multiplier defined for the task of a premium project. The labor cost multiplier is populated for all overtime expenditure items charged to the task upon manual entry of the items or in the Overtime Calculation program
REQUEST_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_ID	NULL	NUMBER(15)	Standard Who Column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who Column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield context field
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
COST_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default costing burden schedule
REV_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default revenue burden schedule
INV_IND_RATE_SCH_ID	NULL	NUMBER(15)	The identifier of default invoice burden schedule
COST_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm costing burden schedule
REV_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm revenue burden schedule
INV_IND_SCH_FIXED_DATE	NULL	DATE	The schedule fixed date of firm invoice burden schedule
LABOR_SCH_TYPE	NULL	VARCHAR2(1)	The schedule type of labor expenditure items
NON_LABOR_SCH_TYPE	NULL	VARCHAR2(1)	The schedule type of non-labor expenditure items
OVR_COST_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
OVR_INV_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
OVR_REV_IND_RATE_SCH_ID	NULL	NUMBER(15)	This column is not used
PM_PRODUCT_CODE	NULL	VARCHAR2(30)	The identifier of the external project management system from which the task was imported.

Column Descriptions (Continued)

Name	Null?	Type	Description
PM_TASK_REFERENCE	NULL	VARCHAR2(25)	The identifier of the task in the external project management system from which the budget was imported.
ACTUAL_START_DATE	NULL	DATE	The actual start date of the project. Applicable only for a project that has originated from an external system.
ACTUAL_FINISH_DATE	NULL	DATE	The actual end date of the project. Applicable only for a project that has originated from an external system.
EARLY_START_DATE	NULL	DATE	The early start date of the project. Applicable only for a project that has originated from an external system.
EARLY_FINISH_DATE	NULL	DATE	The early finish date of the project. Applicable only for a project that has originated from an external system.
LATE_START_DATE	NULL	DATE	The late start date of the project. Applicable only for a project that has originated from an external system.
LATE_FINISH_DATE	NULL	DATE	The late finish date of the project. Applicable only for a project that has originated from an external system.
SCHEDULED_START_DATE	NULL	DATE	The scheduled start date of the project. Applicable only for a project that has originated from an external system.
SCHEDULED_FINISH_DATE	NULL	DATE	The scheduled finish date of the project. Applicable only for a project that has originated from an external system.
ADW_NOTIFY_FLAG	NULL	VARCHAR2(1)	The flag that indicates whether this row needs to be sent to the interface table or not. This column is required for Oracle Project Analysis Collection Pack.
ALLOW_CROSS_CHARGE_FLAG	NOT NULL	VARCHAR2(1)	Flag to indicate whether cross charge are allowed
PROJECT_RATE_DATE	NULL	DATE	Task level default value for project rate date
PROJECT_RATE_TYPE	NULL	VARCHAR2(30)	Task level default value for project rate type
CC_PROCESS_LABOR_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates cross charge processing is to be performed for labor transactions charged to the project. Default value for the project template is N. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date

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# Column Descriptions (Continued)

Name	Null?	Type	Description
LABOR_TP_SCHEDULE_ID	NULL	NUMBER	Identifier for transfer price schedule to use for cross charged labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date. If cc_process_labor_flag is set to Y, this field is required
LABOR_TP_FIXED_DATE	NULL	DATE	Fixed date to find the effective rate of the bill rate or burden schedule when determining the transfer price for labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date
CC_PROCESS_NL_FLAG	NOT NULL	VARCHAR2(1)	Flag that indicates cross charge processing is to be performed for non-labor transactions charged to the project. Default value for the project template is N. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date
NL_TP_SCHEDULE_ID	NULL	NUMBER	Identifier for transfer price schedule to use for cross charged non-labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date. If cc_process_nl_flag is set to Y, this field is required
NL_TP_FIXED_DATE	NULL	DATE	Fixed date to find the effective rate of the bill rate or burden schedule when determining the transfer price for non-labor transactions. This is defaulted to a project from the project template. This value for the project is a default for the task fixed date
RECEIVE_PROJECT_INVOICE_FLAG	NULL	VARCHAR2(1)	Flag that indicates that the task may receive charges from internal supplies via inter-project billing
WORK_TYPE_ID	NULL	NUMBER(15)	Work_Types are predefined types of work, for example,
RECORD_VERSION_NUMBER	NULL	NUMBER(15)	Stores locking sequence number

## Indexes

Index Name	Index Type	Sequence	Column Name
PA_TASKS_N1	NOT UNIQUE	1	LABOR_BILL_RATE_ORG_ID
		2	LABOR_STD_BILL_RATE_SCHDL
PA_TASKS_N10	NOT UNIQUE	5	ADDRESS_ID
PA_TASKS_N2	NOT UNIQUE	1	CARRYING_OUT_ORGANIZATION_ID
PA_TASKS_N3	NOT UNIQUE	1	SERVICE_TYPE_CODE
PA_TASKS_N4	NOT UNIQUE	1	PARENT_TASK_ID

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## Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
PA_TASKS_N5	NOT UNIQUE	1	NON_LABOR_BILL_RATE_ORG_ID
		2	NON_LABOR_STD_BILL_RATE_SCHDL
PA_TASKS_N6	NOT UNIQUE	1	TASK_MANAGER_PERSON_ID
PA_TASKS_N7	NOT UNIQUE	1	TOP_TASK_ID
PA_TASKS_N8	NOT UNIQUE	2	PROJECT_ID
		4	PM_TASK_REFERENCE
PA_TASKS_N9	NOT UNIQUE	2	ADW_NOTIFY_FLAG
PA_TASKS_U1	UNIQUE	1	TASK_ID
PA_TASKS_U2	UNIQUE	1	PROJECT_ID
		2	TASK_NUMBER

## Sequences

Sequence	Derived Column
PA_TASKS_S	TASK_ID

## Database Triggers

Trigger Name : PA\_ADW\_TASKS\_T1  
 Trigger Time : BEFORE  
 Trigger Level : ROW  
 Trigger Event : UPDATE

This trigger maintains the ADW\_NOTIFY\_FLAG column for any updates to TOP\_TASK\_ID, DESCRIPTION, TASK\_NUMBER, TASK\_NAME, CARRYING\_OUT\_ORGANIZATION\_ID, SERVICE\_TYPE\_CODE and PROJECT\_ID columns. If the service\_type\_code or the carrying\_out\_organization\_id is changed then it creates a record in PA\_TASK\_HISTORY table also.

Trigger Name : PA\_ADW\_TASKS\_T2  
 Trigger Time : BEFORE  
 Trigger Level : ROW  
 Trigger Event : INSERT

This trigger creates a new record into the PA\_TASK\_HISTORY table for new records created in PA\_TASKS table.

## PO\_HAZARD\_CLASSES\_B

PO\_HAZARD\_CLASSES\_B contains information about the hazardous materials classes you use in your business. Oracle Purchasing lets you record hazard class information to let you comply with Section 19 of the International Safety Rating System. You need one row for each hazard class you use.

Oracle Purchasing uses this information to let you provide hazard class information on your purchase orders, requisitions, RFQs, and quotations.

### Column Descriptions

Name	Null?	Type	Description
HAZARD_CLASS_ID (PK)	NOT NULL	NUMBER	Hazard class unique identifier
INACTIVE_DATE	NULL	DATE	Inactive date for record
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield segment
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
PO_HAZARD_CLASSES_U1	UNIQUE	1	HAZARD_CLASS_ID

Sequences

Sequence	Derived Column
PO_HAZARD_CLASSES_S	HAZARD_CLASS_ID



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## PO\_HEADERS\_ALL

PO\_HEADERS\_ALL contains header information for your purchasing documents. You need one row for each document you create. There are six types of documents that use PO\_HEADERS\_ALL:

- RFQs
- Quotations
- Standard purchase orders
- Planned purchase orders
- Blanket purchase orders
- Contracts

Each row contains buyer information, supplier information, brief notes, foreign currency information, terms and conditions information, and the status of the document.

Oracle Purchasing uses this information to record information that is related to a complete document.

PO\_HEADER\_ID is the unique system-generated primary key and is invisible to the user. SEGMENT1 is the system-assigned number you use to identify the document in forms and reports. Oracle Purchasing generates SEGMENT1 using the PO\_UNIQUE\_IDENTIFIER\_CONT\_ALL table if you choose to let Oracle Purchasing generate document numbers for you. SEGMENT1 is not unique for the entire table. Different document types can share the same numbers. You can uniquely identify a row in PO\_HEADERS\_ALL using SEGMENT1 and TYPE\_LOOKUP\_CODE or using

## PO\_HEADER\_ID.

If APPROVED\_FLAG is 'Y', the purchase order is approved. If your document type is a blanket purchase order, contract purchase order, RFQ, or quotation, Oracle Purchasing uses START\_DATE and END\_DATE to store the valid date range for the document. Oracle Purchasing only uses BLANKET\_TOTAL\_AMOUNT for blanket purchase orders or contract purchase orders.

If you autocreate a quotation from an RFQ using the Copy Document window, Oracle Purchasing stores the foreign key to your original RFQ in FROM\_HEADER\_ID. Oracle Purchasing also uses FROM\_TYPE\_LOOKUP\_CODE to indicate that you copied the quotation from an RFQ.

Oracle Purchasing does not use SUMMARY\_FLAG and ENABLED\_FLAG. Because future versions of Oracle Purchasing will use them, SUMMARY\_FLAG and ENABLED\_FLAG should always be 'N' and 'Y' respectively.

You enter document header information in the Header region of the Purchase Orders, RFQs, and Quotations windows.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AP_TERMS_TL	TERM_ID	TERMS_ID
FND_CURRENCIES	CURRENCY_CODE	CURRENCY_CODE
GL_DAILY_CONVERSION_TYPES	CONVERSION_TYPE	RATE_TYPE
GL_USSGL_TRANSACTION_CODES	USSGL_TRANSACTION_CODE	USSGL_TRANSACTION_CODE
HR_LOCATIONS_ALL	LOCATION_ID	SHIP_TO_LOCATION_ID
HR_LOCATIONS_ALL	LOCATION_ID	BILL_TO_LOCATION_ID
MTL_UNITS_OF_MEASURE_TL	UNIT_OF_MEASURE	QUOTE_WARNING_DELAY_UNIT
ORG_FREIGHT_TL	FREIGHT_CODE	SHIP_VIA_LOOKUP_CODE
PO_AGENTS	AGENT_ID	AGENT_ID
PO_DOCUMENT_TYPES_ALL_B	DOCUMENT_SUBTYPE	TYPE_LOOKUP_CODE
PO_DOCUMENT_TYPES_ALL_B	DOCUMENT_SUBTYPE	QUOTE_TYPE_LOOKUP_CODE
PO_DOCUMENT_TYPES_ALL_B	DOCUMENT_SUBTYPE	FROM_TYPE_LOOKUP_CODE
PO_HEADERS_ALL	PO_HEADER_ID	FROM_HEADER_ID
PO_VENDORS	VENDOR_ID	VENDOR_ID
PO_VENDOR_CONTACTS	VENDOR_CONTACT_ID	VENDOR_CONTACT_ID
PO_VENDOR_SITES_ALL	VENDOR_SITE_ID	VENDOR_SITE_ID

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# QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
AUTHORIZATION_STATUS	AUTHORIZATION STATUS	PO_LOOKUP_CODES
	APPROVED	Document has been Approved
	CANCELLED	Document has been Cancelled
	IN PROCESS	Document is still undergoing Approval
	INCOMPLETE	Document is not yet Complete
	PRE-APPROVED	Document is Approved but not yet Accepted
	REJECTED	Document as been Rejected
	REQUIRES REAPPROVAL	Requires Reapproval
	RETURNED	Document has been Returned
CLOSED_CODE	DOCUMENT STATE	PO_LOOKUP_CODES
	APPROVED	The Document has been Ap- proved
	AWAITING PRINTING	The Document is Awaiting Printing
	CANCELLED	The Document has been Can- celled
	CLOSED	The Document is Closed
	CLOSED FOR INVOICE	Closed For Invoice
	CLOSED FOR RECEIVING	Closed For Receiving
	FINALLY CLOSED	Finally Closed
	FROZEN	The Document is Frozen
	IN PROCESS	The Document is still under- going Approval processing
	INCOMPLETE	The Document is not yet complete
	NOT ON HOLD	The document is Not On Hold
	NOT RESERVED	The document is Not Reserved
	ON HOLD	The Document is On Hold
	OPEN	The Document is Open
	PRE-APPROVED	The Document is Approved but not yet Accepted
	PRINTED	The Document has been Printed
	REJECTED	The Document has been Re- jected
	REQUIRES REAPPROVAL	The Document has been changed since it was Ap- proved
	RESERVED	Funds have been Reserved for the Document
	RETURNED	The Document has been Re- turned by a Buyer
	UNFROZEN	The Document is Not Frozen
FOB_LOOKUP_CODE	FOB	AR_LOOKUPS
QUOTATION_CLASS_CODE	QUOTATION CLASS	PO_LOOKUP_CODES
	BID	Bid Quotation
	CATALOG	Catalog Quotation
STATUS_LOOKUP_CODE	RFQ/QUOTE STATUS	PO_LOOKUP_CODES
	A	Active
	C	Closed
	I	In Process
	P	Printed

## Column Descriptions

Name	Null?	Type	Description
PO_HEADER_ID (PK)	NOT NULL	NUMBER	Document header unique identifier
AGENT_ID	NOT NULL	NUMBER(9)	Buyer unique identifier
TYPE_LOOKUP_CODE	NOT NULL	VARCHAR2(25)	Type of the document
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
SEGMENT1	NOT NULL	VARCHAR2(20)	Document number
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Key Flexfield summary flag
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Key Flexfield enabled flag
SEGMENT2	NULL	VARCHAR2(20)	Key Flexfield segment column
SEGMENT3	NULL	VARCHAR2(20)	Key Flexfield segment column
SEGMENT4	NULL	VARCHAR2(20)	Key Flexfield segment column
SEGMENT5	NULL	VARCHAR2(20)	Key Flexfield segment column
START_DATE_ACTIVE	NULL	DATE	Key Flexfield start date
END_DATE_ACTIVE	NULL	DATE	Key Flexfield end date
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
VENDOR_ID	NULL	NUMBER	Supplier unique identifier
VENDOR_SITE_ID	NULL	NUMBER	Supplier site unique identifier
VENDOR_CONTACT_ID	NULL	NUMBER	Supplier contact unique identifier
SHIP_TO_LOCATION_ID	NULL	NUMBER	Ship-to location unique identifier
BILL_TO_LOCATION_ID	NULL	NUMBER	Bill-to location unique identifier
TERMS_ID	NULL	NUMBER	Payment terms unique identifier
SHIP_VIA_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of carrier to be used
FOB_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of free-on-board terms for the document
FREIGHT_TERMS_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of freight terms for the document
STATUS_LOOKUP_CODE	NULL	VARCHAR2(25)	Status of the RFQ or Quotation
CURRENCY_CODE	NULL	VARCHAR2(15)	Unique identifier for the currency
RATE_TYPE	NULL	VARCHAR2(30)	Currency conversion rate type
RATE_DATE	NULL	DATE	Currency conversion date
RATE	NULL	NUMBER	Currency conversion rate
FROM_HEADER_ID	NULL	NUMBER	Unique identifier of the RFQ used to autocreate a quotation
FROM_TYPE_LOOKUP_CODE	NULL	VARCHAR2(25)	Document type of the document used to autocreate another document
START_DATE	NULL	DATE	Date the document becomes effective
END_DATE	NULL	DATE	Expiration date of the document
BLANKET_TOTAL_AMOUNT	NULL	NUMBER	Amount agreed for the planned or blanket purchase order
AUTHORIZATION_STATUS	NULL	VARCHAR2(25)	Authorization status of the purchase order
REVISION_NUM	NULL	NUMBER	Document revision number
REVISED_DATE	NULL	DATE	Date the document was last revised
APPROVED_FLAG	NULL	VARCHAR2(1)	Indicates whether the purchase order is approved or not
APPROVED_DATE	NULL	DATE	Date the purchase order was last approved

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Column Descriptions (Continued)

Name	Null?	Type	Description
AMOUNT_LIMIT	NULL	NUMBER	Maximum amount that can be released against the purchase order (blanket, contract, or planned)
MIN_RELEASE_AMOUNT	NULL	NUMBER	Minimum amount that can be released against a blanket or planned purchase order
NOTE_TO_AUTHORIZER	NULL	VARCHAR2(240)	Not currently used
NOTE_TO_VENDOR	NULL	VARCHAR2(240)	Note to the supplier
NOTE_TO_RECEIVER	NULL	VARCHAR2(240)	Note to the receiver of the purchase order
PRINT_COUNT	NULL	NUMBER	Number of times the document was printed
PRINTED_DATE	NULL	DATE	Date the document was last printed
VENDOR_ORDER_NUM	NULL	VARCHAR2(25)	No longer used
CONFIRMING_ORDER_FLAG	NULL	VARCHAR2(1)	Indicates whether the purchase order is a confirming order or not
COMMENTS	NULL	VARCHAR2(240)	Descriptive comments for the document
REPLY_DATE	NULL	DATE	Date the supplier replied to the RFQ
REPLY_METHOD_LOOKUP_CODE	NULL	VARCHAR2(25)	Method the supplier should use to reply to the RFQ
RFQ_CLOSE_DATE	NULL	DATE	Date the RFQ will be closed
QUOTE_TYPE_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of quotation
QUOTATION_CLASS_CODE	NULL	VARCHAR2(25)	Class of quotation
QUOTE_WARNING_DELAY_UNIT	NULL	VARCHAR2(25)	Warning delay unit of measure (Unused since release 7.0)
QUOTE_WARNING_DELAY	NULL	NUMBER	Number of days prior to the expiration of the quotation that you want to be notified
QUOTE_VENDOR_QUOTE_NUMBER	NULL	VARCHAR2(25)	Number of the quotation for the supplier
ACCEPTANCE_REQUIRED_FLAG	NULL	VARCHAR2(1)	Indicates whether acceptance from the supplier is required or not
ACCEPTANCE_DUE_DATE	NULL	DATE	Date by which the supplier should accept the purchase order
CLOSED_DATE	NULL	DATE	Date the document was closed
USER_HOLD_FLAG	NULL	VARCHAR2(1)	Indicates whether the purchase order is on hold or not
APPROVAL_REQUIRED_FLAG	NULL	VARCHAR2(1)	Indicates whether a quote or RFQ requires approval
CANCEL_FLAG	NULL	VARCHAR2(1)	Indicates whether the purchase order is cancelled or not
FIRM_STATUS_LOOKUP_CODE	NULL	VARCHAR2(30)	Indicates whether you want to prevent this purchase order from being automatically rescheduled by your manufacturing application
FIRM_DATE	NULL	DATE	Date from which the purchase order is firmed
FROZEN_FLAG	NULL	VARCHAR2(1)	Indicates whether the document is frozen or not
SUPPLY_AGREEMENT_FLAG	NULL	VARCHAR2(1)	Supply agreement flag for Supplier Scheduling
EDI_PROCESSED_FLAG	NULL	VARCHAR2(1)	EDI processed flag
EDI_PROCESSED_STATUS	NULL	VARCHAR2(10)	EDI processing status flag

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield segment
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
CLOSED_CODE	NULL	VARCHAR2(25)	Describes the closure status of the document
USSGL_TRANSACTION_CODE	NULL	VARCHAR2(30)	United States standard general ledger transaction code
GOVERNMENT_CONTEXT	NULL	VARCHAR2(30)	USSGL descriptive flexfield context column
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
ORG_ID	NULL	NUMBER	Operating unit unique identifier
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Reserved for country-specific functionality

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Column Descriptions (Continued)

Name	Null?	Type	Description
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Reserved for country-specific functionality
INTERFACE_SOURCE_CODE	NULL	VARCHAR2(25)	Audit trail reference (needed for 832 EDI transaction)
REFERENCE_NUM	NULL	VARCHAR2(25)	Audit trail reference (needed for 832 EDI transaction)
WF_ITEM_TYPE	NULL	VARCHAR2(8)	Workflow approval item type
WF_ITEM_KEY	NULL	VARCHAR2(240)	Workflow approval item key
MRC_RATE_TYPE	NULL	VARCHAR2(2000)	Multiple Reporting Currencies only: Concatenated string of reporting Set of Books ID and currency conversion rate type pairs
MRC_RATE_DATE	NULL	VARCHAR2(2000)	Multiple Reporting Currencies only: Concatenated string of reporting Set of Books ID and currency conversion date pairs
MRC_RATE	NULL	VARCHAR2(2000)	Multiple Reporting Currencies only: Concatenated string of reporting Set of Books ID and currency conversion rate pairs
PCARD_ID	NULL	NUMBER(15)	Unique identifier for the procurement card used for the order
PRICE_UPDATE_TOLERANCE	NULL	NUMBER	Maximum percentage increase allowed in price/sales catalog update (832 EDI transaction) sent by supplier
PAY_ON_CODE	NULL	VARCHAR2(25)	Indicator of whether the purchase order will be paid upon receipt

Indexes

Index Name	Index Type	Sequence	Column Name
PO_HEADERS_N1	NOT UNIQUE	1	VENDOR_ID
		2	VENDOR_SITE_ID
PO_HEADERS_N2	NOT UNIQUE	1	CREATION_DATE
PO_HEADERS_N3	NOT UNIQUE	1	AGENT_ID
PO_HEADERS_N4	NOT UNIQUE	1	FROM_HEADER_ID
PO_HEADERS_N5	NOT UNIQUE	1	WF_ITEM_TYPE
		2	WF_ITEM_KEY
PO_HEADERS_N6	NOT UNIQUE	1	CLOSED_DATE
PO_HEADERS_N7	NOT UNIQUE	1	QUOTE_VENDOR_QUOTE_NUMBER
PO_HEADERS_N8	NOT UNIQUE	1	VENDOR_ORDER_NUM
PO_HEADERS_U1	UNIQUE	1	PO_HEADER_ID
PO_HEADERS_U2	UNIQUE	1	SEGMENT1
		2	TYPE_LOOKUP_CODE
		3	ORG_ID

### Sequences

Sequence	Derived Column
PO_HEADERS_S	PO_HEADER_ID

### Database Triggers

Trigger Name : PO\_MRC\_HEADERS\_BIUD  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : INSERT, UPDATE, DELETE

This MRC trigger only exists when you install the Multiple Reporting Currencies feature. It is executed when you perform an insert, update, or delete statement on the table PO\_HEADERS\_ALL. For each record being inserted/updated/deleted in PO\_HEADERS\_ALL, this trigger inserts/updates/deletes corresponding reporting currency records in the MRC subtable, PO\_MC\_HEADERS. In addition, this trigger also populates the MRC VARCHAR2 columns in PO\_HEADERS\_ALL.



## PO\_SYSTEM\_PARAMETERS\_ALL

PO\_SYSTEM\_PARAMETERS\_ALL stores default, control, and option information you provide to customize Oracle Purchasing to your company's needs. PO\_SYSTEM\_PARAMETERS\_ALL corresponds to the Purchasing Options window. This table has no primary key. The table should never have more than one row.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ACCRUED_CODE_COMBINATION_ID
GL_DAILY_CONVERSION_TYPES	CONVERSION_TYPE	DEFAULT_RATE_TYPE
PO_LINE_TYPES_B	LINE_TYPE_ID	LINE_TYPE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ENFORCE_FULL_LOT_QUANTITIES	ENFORCE FULL LOT QUANTITIES	PO_LOOKUP_CODES
	ADVISORY	The rounded quantity will be displayed for information only
	MANDATORY	Requested quantity will be forced to the rounded quantity
	NONE	No quantity rounding will be performed
EXPENSE_ACCRUAL_CODE	EXPENSE ACCRUAL OPTION	PO_LOOKUP_CODES
	PERIOD END	Accrue at period end
	RECEIPT	Accrue on receipt of items
INVENTORY_ACCRUAL_CODE	INVENTORY ACCRUAL OPTION	PO_LOOKUP_CODES
	RECEIPT	Accrue on receipt of items
MANUAL_PO_NUM_TYPE	NUMERIC OR ALPHANUMERIC	PO_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric value
	NUMERIC	Numeric value
MANUAL_QUOTE_NUM_TYPE	NUMERIC OR ALPHANUMERIC	PO_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric value
	NUMERIC	Numeric value
MANUAL_RECEIPT_NUM_TYPE	NUMERIC OR ALPHANUMERIC	PO_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric value
	NUMERIC	Numeric value
MANUAL_REQ_NUM_TYPE	NUMERIC OR ALPHANUMERIC	PO_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric value
	NUMERIC	Numeric value
MANUAL_RFQ_NUM_TYPE	NUMERIC OR ALPHANUMERIC	PO_LOOKUP_CODES
	ALPHANUMERIC	Alphanumeric value
	NUMERIC	Numeric value
PRICE_BREAK_LOOKUP_CODE	PRICE BREAK TYPE	PO_LOOKUP_CODES
	CUMULATIVE	Cumulative

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# *QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
	NON CUMULATIVE	Non-Cumulative
PRICE_TYPE_LOOKUP_CODE	PRICE TYPE	PO_LOOKUP_CODES
	COST FEE	Cost Plus Fee
	COST PERCENT	Cost Plus Percentage
	FIXED	Fixed
	INDEXED	Indexed
	VARIABLE	Variable
RECEIVE_CLOSE_CODE	RECEIVE CLOSE	PO_LOOKUP_CODES
	ACCEPTED	Upon Acceptance of Goods
	DELIVERED	Upon Delivery of Goods
	RECEIVED	Upon Receipt of Goods
REQIMPORT_GROUP_BY_CODE	REQIMPORT GROUP BY	PO_LOOKUP_CODES
	ALL	Group all Regs together
	BUYER	Group by Buyer
	CATEGORY	Group by Category
	ITEM	Group by Item
	LOCATION	Group by Location
	VENDOR	Group by Vendor
USER_DEFINED_PO_NUM_CODE	MANUAL OR AUTOMATIC	PO_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers
USER_DEFINED_QUOTE_NUM_CODE	MANUAL OR AUTOMATIC	PO_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers
USER_DEFINED_RECEIPT_NUM_CODE	MANUAL OR AUTOMATIC	PO_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers
USER_DEFINED_REQ_NUM_CODE	MANUAL OR AUTOMATIC	PO_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers
USER_DEFINED_RFQ_NUM_CODE	MANUAL OR AUTOMATIC	PO_LOOKUP_CODES
	AUTOMATIC	Automatic entry of numbers
	MANUAL	Manual entry of numbers

## *Column Descriptions*

Name	Null?	Type	Description
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
ACCRUED_CODE_COMBINATION_ID	NULL	NUMBER	Unique identifier of the Receipt accrual General Ledger account
PRICE_CHANGE_ALLOWANCE	NULL	NUMBER	Price difference percentage you allow between requisition and purchase order price
REQ_CAN_AUTHORIZE	NULL	VARCHAR2(1)	No longer used
INSPECTION_REQUIRED_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether you require inspection for items you order

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Column Descriptions (Continued)

Name	Null?	Type	Description
ENFORCE_PRICE_CHANGE_ALLOWANCE	NULL	VARCHAR2(1)	Indicates whether you enforce the requisition price to purchase order price tolerance during purchase order approval
DEFAULT_RATE_TYPE	NULL	VARCHAR2(25)	Default currency rate type for your documents
TAXABLE_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether your purchases are taxable
USER_DEFINED_RECEIPT_NUM_CODE	NULL	VARCHAR2(25)	Receipt numbering type
MANUAL_RECEIPT_NUM_TYPE	NULL	VARCHAR2(25)	Receipt number type
USER_DEFINED_QUOTE_NUM_CODE	NULL	VARCHAR2(25)	Quotation numbering type
MANUAL_QUOTE_NUM_TYPE	NULL	VARCHAR2(25)	Quotation number type
USER_DEFINED_RFQ_NUM_CODE	NULL	VARCHAR2(25)	RFQ numbering type
MANUAL_RFQ_NUM_TYPE	NULL	VARCHAR2(25)	RFQ number type
USER_DEFINED_PO_NUM_CODE	NULL	VARCHAR2(25)	Purchase order numbering type
MANUAL_PO_NUM_TYPE	NULL	VARCHAR2(25)	Purchase order number type
USER_DEFINED_REQ_NUM_CODE	NULL	VARCHAR2(25)	Requisition numbering type
MANUAL_REQ_NUM_TYPE	NULL	VARCHAR2(25)	Requisition number type
DEFAULT_QUOTE_WARNING_DELAY	NULL	NUMBER	Default warning delay for quotations
ENFORCE_BUYER_AUTHORITY_FLAG	NULL	VARCHAR2(1)	No longer used
ENFORCE_BUYER_NAME_FLAG	NULL	VARCHAR2(1)	Indicates whether you allow changing the name of the buyer on a purchase order to any name
ENFORCE_VENDOR_HOLD_FLAG	NULL	VARCHAR2(1)	Indicates whether you enforce supplier holds during purchase order approval
NOTIFY_IF_BLANKET_FLAG	NULL	VARCHAR2(1)	Indicates whether you want to notify requestors when a blanket purchase order exists for items they request
RFQ_REQUIRED_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether you require RFQs for requisitions
PO_DOCUMENT_REPORT_ID	NULL	NUMBER	No longer used
PO_DOCUMENT_PRINT_FLAG	NULL	VARCHAR2(1)	No longer used
RFQ_DOCUMENT_REPORT_ID	NULL	NUMBER	No longer used
RFQ_DOCUMENT_PRINT_FLAG	NULL	VARCHAR2(1)	No longer used
LINE_TYPE_ID	NULL	NUMBER	Unique identifier of the line type you use on your documents
NEXT_APPROVER_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of next approver logic
RECEIVING_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether you require receipt for items you order or not
ALLOW_ITEM_DESC_UPDATE_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether item descriptions can be updated on document lines
DISPOSITION_WARNING_FLAG	NULL	VARCHAR2(1)	Default value that indicates whether disposition messages are displayed for items
ENFORCE_FULL_LOT_QUANTITIES	NULL	VARCHAR2(25)	Default value that indicates whether full lot quantities are enforced
SECURITY_POSITION_STRUCTURE_ID	NULL	NUMBER	Security hierarchy for document types with hierarchy security level
MIN_RELEASE_AMOUNT	NULL	NUMBER	Default minimum release amount for blanket and planned purchase orders in functional currency

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Column Descriptions (Continued)

Name	Null?	Type	Description
PRICE_TYPE_LOOKUP_CODE	NULL	VARCHAR2(25)	Default price type for purchase orders
NOTIFICATION_WARNING_DELAY	NULL	NUMBER	Not currently used
PRICE_BREAK_LOOKUP_CODE	NULL	VARCHAR2(25)	Default price break type for catalog quotations and blanket agreements
INVOICE_CLOSE_CODE	NULL	VARCHAR2(25)	Not currently used
RECEIVE_CLOSE_CODE	NULL	VARCHAR2(25)	Default receiving close point
INVOICE_CLOSE_TOLERANCE	NULL	NUMBER	Default invoice close tolerance percent
RECEIVE_CLOSE_TOLERANCE	NULL	NUMBER	Default receiving close tolerance percent
CANCEL_REQS_ON_PO_CANCEL_FLAG	NULL	VARCHAR2(1)	Default value that indicates if a requisition is cancelled when the purchase order is cancelled
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
REQIMPORT_GROUP_BY_CODE	NULL	VARCHAR2(25)	Default Requisition Import group-by method
EXPENSE_ACCRUAL_CODE	NULL	VARCHAR2(25)	Accrual option for expense items
INVENTORY_ACCRUAL_CODE	NULL	VARCHAR2(25)	Accrual option for inventory items
ORDER_TYPE_ID	NULL	NUMBER	Order type for internal requisitions
ORDER_SOURCE_ID	NULL	NUMBER	Order source for internal requisitions
SALESREP_ID	NULL	NUMBER	Not currently used
TERM_ID	NULL	NUMBER	Not currently used
ORG_ID	NULL	NUMBER	Operating unit unique identifier
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Reserved for country-specific functionality

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Column Descriptions (Continued)

Name	Null?	Type	Description
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(150)	Reserved for country-specific functionality
TAX_FROM_SHIP_TO_LOC_FLAG	NULL	VARCHAR2(1)	Default tax code from ship-to location
TAX_FROM_ITEM_FLAG	NULL	VARCHAR2(1)	Default tax code from the inventory item
TAX_FROM_VENDOR_FLAG	NULL	VARCHAR2(1)	Default tax code from the supplier
TAX_FROM_VENDOR_SITE_FLAG	NULL	VARCHAR2(1)	Default tax code from supplier site
TAX_FROM_SYSTEM_FLAG	NULL	VARCHAR2(1)	Default tax code from Financial Options window
TAX_HIER_SHIP_TO_LOC	NULL	NUMBER(15)	Ship-to location position in tax code defaulting hierarchy
TAX_HIER_ITEM	NULL	NUMBER(15)	Item position in the tax code defaulting hierarchy
TAX_HIER_VENDOR	NULL	NUMBER(15)	Supplier position in the tax code defaulting hierarchy
TAX_HIER_VENDOR_SITE	NULL	NUMBER(15)	Supplier Site position in the tax code defaulting hierarchy
TAX_HIER_SYSTEM	NULL	NUMBER(15)	Financial Options in the tax code defaulting hierarchy
CREATE_DEBIT_MEMO_FLAG	NULL	VARCHAR2(25)	Indicator of whether a debit memo should be created

Indexes

Index Name	Index Type	Sequence	Column Name
PO_SYSTEM_PARAMETERS_U1	UNIQUE	1	ORG_ID

## PO\_UN\_NUMBERS\_B

PO\_UN\_NUMBERS\_B contains information about the United Nations hazardous materials classification numbers that you use in your business. Oracle Purchasing lets you record UN numbers information to let you comply with Section 19 of the International Safety Rating System. You need one row for each UN number you use.

Oracle Purchasing uses this information to let you provide UN number information on your purchase orders, requisitions, RFQs, and quotations.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PO_HAZARD_CLASSES_B	HAZARD_CLASS_ID	HAZARD_CLASS_ID

### Column Descriptions

Name	Null?	Type	Description
UN_NUMBER_ID (PK)	NOT NULL	NUMBER	Unique identifier for the United Nations number
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
HAZARD_CLASS_ID	NULL	NUMBER	Hazard class unique identifier
INACTIVE_DATE	NULL	DATE	Inactive date for record
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield segment
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column

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Indexes

Index Name	Index Type	Sequence	Column Name
PO_UN_NUMBERS_B_U1	UNIQUE	1	UN_NUMBER_ID

Sequences

Sequence	Derived Column
PO_UN_NUMBERS_S	UN_NUMBER_ID

## PO\_VENDORS

PO\_VENDORS stores information about your suppliers. You need one row for each supplier you define. Each row includes the supplier name as well as purchasing, receiving, payment, accounting, tax, classification, and general information. Oracle Purchasing uses this information to determine active suppliers. VENDOR\_ID is the unique system-generated receipt header number invisible to the user. SEGMENT1 is the system-generated or manually assigned number you use to identify the supplier in forms and reports. Oracle Purchasing generates SEGMENT1 using the PO\_UNIQUE\_IDENTIFIER\_CONTROL table if you choose to let Oracle Purchasing generate supplier numbers for you. This table is one of three tables that store supplier information. PO\_VENDORS corresponds to the Suppliers window.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AP_DISTRIBUTION_SETS_ALL	DISTRIBUTION_SET_ID	DISTRIBUTION_SET_ID
AP_TERMS_TL	TERM_ID	TERMS_ID
FND_CURRENCIES	CURRENCY_CODE	INVOICE_CURRENCY_CODE
FND_CURRENCIES	CURRENCY_CODE	PAYMENT_CURRENCY_CODE
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ACCTS_PAY_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	DISC_LOST_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	DISC_TAKEN_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	EXPENSE_CODE_COMBINATION_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	PREPAY_CODE_COMBINATION_ID
GL_SETS_OF_BOOKS	SET_OF_BOOKS_ID	SET_OF_BOOKS_ID
ORG_FREIGHT_TL	FREIGHT_CODE	SHIP_VIA_LOOKUP_CODE
PO_AGENTS	AGENT_ID	HOLD_BY
PO_VENDORS	VENDOR_ID	PARENT_VENDOR_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CREDIT_STATUS_LOOKUP_CODE	CREDIT STATUS	PO_LOOKUP_CODES
	GOOD	Good credit status
	POOR	Bad credit status
FOB_LOOKUP_CODE	FOB	AR_LOOKUPS
ORGANIZATION_TYPE_LOOKUP_CODE	ORGANIZATION TYPE	PO_LOOKUP_CODES
	CORPORATION	Corporation
	FOREIGN CORPORATION	Foreign Corporation
	FOREIGN GOVERNMENT AGENCY	Foreign Government Agency
	FOREIGN INDIVIDUAL	Foreign Individual
	FOREIGN PARTNERSHIP	Foreign Partnership
	GOVERNMENT AGENCY	Government Agency
	INDIVIDUAL	Individual
PARTNERSHIP	PARTNERSHIP	Partnership
PAYMENT_METHOD_LOOKUP_CODE	PAYMENT METHOD	AP_LOOKUP_CODES

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QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
PAY_DATE_BASIS_LOOKUP_CODE	PAY DATE BASIS	PO_LOOKUP_CODES
	DISCOUNT	Pay on Discount Date
	DUE	Pay on Due Date
QTY_RCV_EXCEPTION_CODE	RECEIVING CONTROL LEVEL	PO_LOOKUP_CODES
	NONE	No Receiving Control Enforced
	REJECT	Prevent Receipt of Goods or Services
	WARNING	Display Warning Message
RECEIPT_DAYS_EXCEPTION_CODE	RECEIVING CONTROL LEVEL	PO_LOOKUP_CODES
	NONE	No Receiving Control Enforced
	REJECT	Prevent Receipt of Goods or Services
	WARNING	Display Warning Message
VENDOR_TYPE_LOOKUP_CODE	VENDOR TYPE	PO_LOOKUP_CODES
	EMPLOYEE	Employee
	VENDOR	Vendor
WITHHOLDING_STATUS_LOOKUP_CODE	WITHHOLDING STATUS	PO_LOOKUP_CODES
	EXEMPT	Supplier is not subject to withholding
	INCORRECT TIN	IRS informs of incorrect TIN. Begin withholding in 30 days.
	IRS WITHHOLD	IRS requests immediate withholding
	MISSING TIN	Begin withholding immediately
	WAIT 60 DAYS	Wait for 60 days for supplier to send TIN, then withhold
	WAIT INDEFINITELY	Wait for TIN, but do not begin withholding

Column Descriptions

Name	Null?	Type	Description
VENDOR_ID (PK)	NOT NULL	NUMBER	Supplier unique identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
VENDOR_NAME	NOT NULL	VARCHAR2(80)	Supplier name
VENDOR_NAME_ALT	NULL	VARCHAR2(320)	Alternate supplier name for kana value
SEGMENT1	NOT NULL	VARCHAR2(30)	Supplier number
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Key flexfield summary flag
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Key flexfield summary flag
SEGMENT2	NULL	VARCHAR2(30)	Key flexfield summary flag
SEGMENT3	NULL	VARCHAR2(30)	Key flexfield summary flag
SEGMENT4	NULL	VARCHAR2(30)	Key flexfield summary flag
SEGMENT5	NULL	VARCHAR2(30)	Key flexfield summary flag
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER	Standard Who column
EMPLOYEE_ID	NULL	NUMBER	Employee unique identifier if the supplier is an employee
VENDOR_TYPE_LOOKUP_CODE	NULL	VARCHAR2(25)	Supplier type

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Column Descriptions (Continued)

Name	Null?	Type	Description
CUSTOMER_NUM	NULL	VARCHAR2(25)	Customer number with the supplier
ONE_TIME_FLAG	NULL	VARCHAR2(1)	Indicates whether the supplier is a one-time supplier
PARENT_VENDOR_ID	NULL	NUMBER	Unique identifier of the parent supplier
MIN_ORDER_AMOUNT	NULL	NUMBER	Minimum purchase order amount
SHIP_TO_LOCATION_ID	NULL	NUMBER	Default ship-to location unique identifier
BILL_TO_LOCATION_ID	NULL	NUMBER	Default bill-to location unique identifier
SHIP_VIA_LOOKUP_CODE	NULL	VARCHAR2(25)	Default carrier type
FREIGHT_TERMS_LOOKUP_CODE	NULL	VARCHAR2(25)	Default freight terms type
FOB_LOOKUP_CODE	NULL	VARCHAR2(25)	Default free-on-board type
TERMS_ID	NULL	NUMBER	Payment terms unique identifier
SET_OF_BOOKS_ID	NULL	NUMBER	Set of Books unique identifier
CREDIT_STATUS_LOOKUP_CODE	NULL	VARCHAR2(25)	No longer used
CREDIT_LIMIT	NULL	NUMBER	Not used
ALWAYS_TAKE_DISC_FLAG	NULL	VARCHAR2(1)	Indicator of whether Oracle Payables should always take a discount for the supplier
PAY_DATE_BASIS_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of payment date basis
PAY_GROUP_LOOKUP_CODE	NULL	VARCHAR2(25)	Payment group type
PAYMENT_PRIORITY	NULL	NUMBER	Payment priority
INVOICE_CURRENCY_CODE	NULL	VARCHAR2(15)	Default currency unique identifier
PAYMENT_CURRENCY_CODE	NULL	VARCHAR2(15)	Default payment currency unique identifier
INVOICE_AMOUNT_LIMIT	NULL	NUMBER	Maximum amount per invoice
EXCHANGE_DATE_LOOKUP_CODE	NULL	VARCHAR2(25)	No longer used
HOLD_ALL_PAYMENTS_FLAG	NULL	VARCHAR2(1)	Indicates whether Oracle Payables should place all payments for this supplier on hold or not
HOLD_FUTURE_PAYMENTS_FLAG	NULL	VARCHAR2(1)	Indicates whether Oracle Payables should place upapproved payments for this supplier on hold or not
HOLD_REASON	NULL	VARCHAR2(240)	Reason for placing the supplier on payment hold
DISTRIBUTION_SET_ID	NULL	NUMBER	Distribution set unique identifier
ACCTS_PAY_CODE_COMBINATION_ID	NULL	NUMBER	Unique identifier for the supplier liability account
DISC_LOST_CODE_COMBINATION_ID	NULL	NUMBER	No longer used
DISC_TAKEN_CODE_COMBINATION_ID	NULL	NUMBER	No longer used
EXPENSE_CODE_COMBINATION_ID	NULL	NUMBER	Not used
PREPAY_CODE_COMBINATION_ID	NULL	NUMBER	Unique identifier for the general ledger account for prepayment
NUM_1099	NULL	VARCHAR2(30)	Tax identification number
TYPE_1099	NULL	VARCHAR2(10)	Type of 1099
WITHHOLDING_STATUS_LOOKUP_CODE	NULL	VARCHAR2(25)	Withholding status type
WITHHOLDING_START_DATE	NULL	DATE	Withholding start date
ORGANIZATION_TYPE_LOOKUP_CODE	NULL	VARCHAR2(25)	IRS organization type
VAT_CODE	NULL	VARCHAR2(15)	VAT code
START_DATE_ACTIVE	NULL	DATE	Key flexfield start date
END_DATE_ACTIVE	NULL	DATE	Key flexfield end date
MINORITY_GROUP_LOOKUP_CODE	NULL	VARCHAR2(25)	Type of minority-owned business

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Column Descriptions (Continued)

Name	Null?	Type	Description
PAYMENT_METHOD_LOOKUP_CODE	NULL	VARCHAR2(25)	Default payment method type
BANK_ACCOUNT_NAME	NULL	VARCHAR2(80)	Name of the supplier bank account
BANK_ACCOUNT_NUM	NULL	VARCHAR2(30)	Number of the supplier bank account
BANK_NUM	NULL	VARCHAR2(25)	Bank number for the supplier
BANK_ACCOUNT_TYPE	NULL	VARCHAR2(25)	Type of bank account
WOMEN_OWNED_FLAG	NULL	VARCHAR2(1)	Indicates whether the supplier is a woman-owned business
SMALL_BUSINESS_FLAG	NULL	VARCHAR2(1)	Indicates that the supplier is a small business
STANDARD_INDUSTRY_CLASS	NULL	VARCHAR2(25)	Standard industry classification number
HOLD_FLAG	NULL	VARCHAR2(1)	Indicator of whether the supplier is on purchasing hold
PURCHASING_HOLD_REASON	NULL	VARCHAR2(240)	Reason for placing the supplier on purchasing hold
HOLD_BY	NULL	NUMBER(9)	Unique identifier for the employee who placed the supplier on hold
HOLD_DATE	NULL	DATE	Date the supplier was placed on purchasing hold
TERMS_DATE_BASIS	NULL	VARCHAR2(25)	Type of invoice payment schedule basis
PRICE_TOLERANCE	NULL	NUMBER	Not used
INSPECTION_REQUIRED_FLAG	NULL	VARCHAR2(1)	Indicates whether inspection is required or not
RECEIPT_REQUIRED_FLAG	NULL	VARCHAR2(1)	Indicates whether shipment must be received before the invoice is paid
QTY_RCV_TOLERANCE	NULL	NUMBER	Quantity received tolerance percentage
QTY_RCV_EXCEPTION_CODE	NULL	VARCHAR2(25)	Enforces, warns, or ignores quantity receiving tolerance
ENFORCE_SHIP_TO_LOCATION_CODE	NULL	VARCHAR2(25)	Action to be taken when the receiving location differs from the ship-to location
DAYS_EARLY_RECEIPT_ALLOWED	NULL	NUMBER	Maximum acceptable number of days items can be received early
DAYS_LATE_RECEIPT_ALLOWED	NULL	NUMBER	Maximum acceptable number of days items can be received late
RECEIPT_DAYS_EXCEPTION_CODE	NULL	VARCHAR2(25)	Action to be taken when items are received earlier or later than the allowed number of days specified
RECEIVING_ROUTING_ID	NULL	NUMBER	Receipt routing unique identifier
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	NULL	VARCHAR2(1)	Indicates whether substitute items can be received in place of the ordered items
ALLOW_UNORDERED_RECEIPTS_FLAG	NULL	VARCHAR2(1)	Indicates whether unordered receipts are allowed
HOLD_UNMATCHED_INVOICES_FLAG	NULL	VARCHAR2(1)	Indicates whether unmatched invoices should be put on hold
EXCLUSIVE_PAYMENT_FLAG	NULL	VARCHAR2(1)	Indicates exclusive payment
AP_TAX_ROUNDING_RULE	NULL	VARCHAR2(1)	Determines the rounding rule for tax values
AUTO_TAX_CALC_FLAG	NULL	VARCHAR2(1)	Supplier level where the tax calculation is done

Column Descriptions (Continued)

Name	Null?	Type	Description
AUTO_TAX_CALC_OVERRIDE	NULL	VARCHAR2(1)	Allows override of tax calculation at supplier site level
AMOUNT_INCLUDES_TAX_FLAG	NULL	VARCHAR2(1)	Do amounts include tax from this supplier?
TAX_VERIFICATION_DATE	NULL	DATE	Tax verification date
NAME_CONTROL	NULL	VARCHAR2(4)	Name control
STATE_REPORTABLE_FLAG	NULL	VARCHAR2(1)	State reportable flag
FEDERAL_REPORTABLE_FLAG	NULL	VARCHAR2(1)	Federal reportable flag
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield segment
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
REQUEST_ID	NULL	NUMBER	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Standard Who column
PROGRAM_ID	NULL	NUMBER	Standard Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Standard Who column
OFFSET_VAT_CODE	NULL	VARCHAR2(20)	No longer used
VAT_REGISTRATION_NUM	NULL	VARCHAR2(20)	VAT registration number
AUTO_CALCULATE_INTEREST_FLAG	NULL	VARCHAR2(1)	Indicates whether interest is to be automatically calculated
VALIDATION_NUMBER	NULL	NUMBER	Validation number
EXCLUDE_FREIGHT_FROM_DISCOUNT	NULL	VARCHAR2(1)	Exclude supplier freight from discount amount
TAX_REPORTING_NAME	NULL	VARCHAR2(80)	Tax reporting method name
CHECK_DIGITS	NULL	VARCHAR2(30)	Check number used by Payables
BANK_NUMBER	NULL	VARCHAR2(30)	Bank number for Accounts Payable
ALLOW_AWT_FLAG	NULL	VARCHAR2(1)	Indicator of whether Allow Withholding Tax is enabled
AWT_GROUP_ID	NULL	NUMBER(15)	Unique identifier for the withholding tax group
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality

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Column Descriptions (Continued)

Name	Null?	Type	Description
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Reserved for country-specific functionality
EDI_TRANSACTION_HANDLING	NULL	VARCHAR2(25)	Defines whether this supplier is an EDI partner
EDI_PAYMENT_METHOD	NULL	VARCHAR2(25)	How payment is to be made through EDI. Valid methods are ACH, BOP, CWT, FEW, FWT, and SWT.
EDI_PAYMENT_FORMAT	NULL	VARCHAR2(25)	Type of information being transmitted with the funds if using EDI_PAYMENT_METHOD ACH. Valid values are CCD, CCP, CTP, CTX, PPD, and PPP.
EDI_REMITTANCE_METHOD	NULL	VARCHAR2(25)	How remittance advice will be sent to the supplier
EDI_REMITTANCE_INSTRUCTION	NULL	VARCHAR2(256)	Who will send the remittance advice. Valid values are Bank or payables system.
BANK_CHARGE_BEARER	NULL	VARCHAR2(1)	Indicator of whether this supplier bears bank charges
BANK_BRANCH_TYPE	NULL	VARCHAR2(25)	Which list the bank routing number is on. Valid type are ABA, CHIPS, SWIFT and OTHER.
MATCH_OPTION	NULL	VARCHAR2(25)	Indicator of whether to match invoices to the purchase order or the receipt for this supplier
FUTURE_DATED_PAYMENT_CCID	NULL	NUMBER(15)	Accounting Flexfield identifier for the future dated payment account
CREATE_DEBIT_MEMO_FLAG	NULL	VARCHAR2(25)	Indicator of whether a debit memo should be created
OFFSET_TAX_FLAG	NULL	VARCHAR2(1)	Indicator of whether the supplier uses offset taxes

### Indexes

Index Name	Index Type	Sequence	Column Name
PO_VENDORS_N1	NOT UNIQUE	1	EMPLOYEE_ID
PO_VENDORS_N2	NOT UNIQUE	1	NUM_1099
PO_VENDORS_U1	UNIQUE	1	VENDOR_ID
PO_VENDORS_U2	UNIQUE	1	VENDOR_NAME
PO_VENDORS_U3	UNIQUE	1	SEGMENT1

### Sequences

Sequence	Derived Column
PO_VENDORS_S	VENDOR_ID

## WIP\_DISCRETE\_JOBS

WIP\_DISCRETE\_JOBS stores discrete job information. Each row represents a discrete job, and contains information about the assembly being built, the revision of the assembly, the job quantity, the status of the job, the material control method, accounting information, and job schedule dates. Oracle Work in Process uses this information to control discrete production.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	COMMON_BOM_SEQUENCE_ID
BOM_OPERATIONAL_ROUTINGS	ROUTING_SEQUENCE_ID	COMMON_ROUTING_SEQUENCE_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_OVERHEAD_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RESOURCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OUTSIDE_PROCESSING_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_VARIANCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RESOURCE_VARIANCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OUTSIDE_PROC_VARIANCE_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	STD_COST_ADJUSTMENT_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OVERHEAD_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	OVERHEAD_VARIANCE_ACCOUNT
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID	COMPLETION_LOCATOR_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_ITEM_REVISIONS	INVENTORY_ITEM_ID	PRIMARY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	REVISION	BOM_REVISION
MTL_ITEM_SUB_INVENTORIES	INVENTORY_ITEM_ID	PRIMARY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	SECONDARY_INVENTORY	COMPLETION_SUBINVENTORY
MTL_KANBAN_CARDS	KANBAN_CARD_ID	KANBAN_CARD_ID
MTL_RTG_ITEM_REVISIONS	INVENTORY_ITEM_ID	PRIMARY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	PROCESS_REVISION	ROUTING_REVISION
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	COMPLETION_SUBINVENTORY
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SECONDARY_LOCATORS	INVENTORY_ITEM_ID	PRIMARY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	SECONDARY_LOCATOR	COMPLETION_LOCATOR_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	PRIMARY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	BOM_REFERENCE_ID
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	ROUTING_REFERENCE_ID
	ORGANIZATION_ID	ORGANIZATION_ID
PJM_UNIT_NUMBERS	UNIT_NUMBER	END_ITEM_UNIT_NUMBER
WIP_ACCOUNTING_CLASSES	CLASS_CODE	CLASS_CODE
	ORGANIZATION_ID	ORGANIZATION_ID
WIP_ENTITIES	WIP_ENTITY_ID	WIP_ENTITY_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
FIRM_PLANNED_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

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*QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
JOB_TYPE	WIP_DISCRETE_JOB	MFG_LOOKUPS
	1	Standard
	3	Non-standard
STATUS_TYPE	WIP_JOB_STATUS	MFG_LOOKUPS
	1	Unreleased
	10	Pending Routing Load
	11	Failed Routing Load
	12	Closed
	13	Pending - Mass Loaded
	14	Pending Close
	15	Failed Close
	3	Released
	4	Complete
	5	Complete - No Charges
	6	On Hold
	7	Cancelled
	8	Pending Bill Load
	9	Failed Bill Load
WIP_SUPPLY_TYPE	WIP_SUPPLY	MFG_LOOKUPS
	1	Push
	2	Assembly Pull
	3	Operation Pull
	4	Bulk
	5	Supplier
	6	Phantom
	7	Based on Bill

*Column Descriptions*

Name	Null?	Type	Description
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP Job Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
REQUEST_ID		NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID		NUMBER	Enhanced Who column
PROGRAM_ID		NUMBER	Enhanced Who column
PROGRAM_UPDATE_DATE		DATE	Enhanced Who column
SOURCE_LINE_ID		NUMBER	Identifier of the source system that generated the job record
SOURCE_CODE		VARCHAR2(30)	Code of the process that generated the job record(null if created by Oracle Work In Process)
DESCRIPTION		VARCHAR2(240)	Descriptive text
STATUS_TYPE	NOT NULL	NUMBER	Status of job
PRIMARY_ITEM_ID		NUMBER	Inventory item Identifier for the assembly the job creates
FIRM_PLANNED_FLAG	NOT NULL	NUMBER	Control for MRP rescheduling
JOB_TYPE	NOT NULL	NUMBER	Type of discrete job
WIP_SUPPLY_TYPE	NOT NULL	NUMBER	Method of material consumption within WIP

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Column Descriptions (Continued)

Name	Null?	Type	Description
CLASS_CODE	NOT NULL	VARCHAR2(10)	Accounting class associated with job
MATERIAL_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate material charges for a job
MATERIAL_OVERHEAD_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate material overhead charges for a job
RESOURCE_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate resource charges for a job
OUTSIDE_PROCESSING_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate outside processing charges for a job
MATERIAL_VARIANCE_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate material variances for a job
RESOURCE_VARIANCE_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate resource variances for a job
OUTSIDE_PROC_VARIANCE_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate outside processing variances for a job
STD_COST_ADJUSTMENT_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate standard cost variances for a job
OVERHEAD_ACCOUNT	NULL	NUMBER	General Ledger account to accumulate overhead charges for a job
OVERHEAD_VARIANCE_ACCOUNT	NULL	NUMBER	General ledger account to accumulate overhead variances for a job
SCHEDULED_START_DATE	NOT NULL	DATE	Date on which job is scheduled to start
DATE_RELEASED	NULL	DATE	Date on which job is released
SCHEDULED_COMPLETION_DATE	NOT NULL	DATE	Last unit scheduled completion date
DATE_COMPLETED	NULL	DATE	Last unit actual completion date
DATE_CLOSED	NULL	DATE	Date on which job was closed
START_QUANTITY	NOT NULL	NUMBER	Job start quantity
QUANTITY_COMPLETED	NOT NULL	NUMBER	Current job quantity completed
QUANTITY_SCRAPPED	NOT NULL	NUMBER	Number of units scrapped on the current job
NET_QUANTITY	NOT NULL	NUMBER	Number of assemblies netted to supply by MRP
BOM_REFERENCE_ID	NULL	NUMBER	Assembly identifier used as bill of material reference for explosions of nonstandard job
ROUTING_REFERENCE_ID	NULL	NUMBER	Assembly identifier used as routing reference for explosions of nonstandard job
COMMON_BOM_SEQUENCE_ID	NULL	NUMBER	Bill of material identifier when a common bill is used
COMMON_ROUTING_SEQUENCE_ID	NULL	NUMBER	Routing identifier when a common routing is used
BOM_REVISION	NULL	VARCHAR2(3)	BOM revision for the primary assembly
ROUTING_REVISION	NULL	VARCHAR2(3)	Short code that uniquely identifies the Routing revision

Column Descriptions (Continued)

Name	Null?	Type	Description
BOM_REVISION_DATE	NULL	DATE	Date of assembly item revision used to explode the bills of material used in the job
ROUTING_REVISION_DATE	NULL	DATE	Routing revision date
LOT_NUMBER	NULL	VARCHAR2(30)	Default lot number to assign to assemblies completed from the job
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Alternate bill of material used in a job
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Alternate routing used in a job
COMPLETION_SUBINVENTORY	NULL	VARCHAR2(10)	Default completion subinventory for assemblies completed by the job
COMPLETION_LOCATOR_ID	NULL	NUMBER	Default completion locator identifier for assemblies completed by the job
MPS_SCHEDULED_COMPLETION_DATE	NULL	DATE	Date used by MRP to relieve the MPS for the job (used by MRP only)
MPS_NET_QUANTITY	NULL	NUMBER	Quantity used by MRP to relieve MPS for the job (used by MRP only)
DEMAND_CLASS	NULL	VARCHAR2(30)	Type of demand the job satisfies
SCHEDULE_GROUP_ID	NULL	NUMBER	Identifier for the job schedule group
BUILD_SEQUENCE	NULL	NUMBER	Build sequence
LINE_ID	NULL	NUMBER	Production line Identifier
PROJECT_ID	NULL	NUMBER	Project Identifier
TASK_ID	NULL	NUMBER	Project task Identifier
KANBAN_CARD_ID	NULL	NUMBER	Identifier for production kanban replenished by the job
OVERCOMPLETION_TOLERANCE_TYPE	NULL	NUMBER	Unit of OVERCOMPLETION_TOLERANCE_VALUE (percent or amount)
OVERCOMPLETION_TOLERANCE_VALUE	NULL	NUMBER	Percent or amount above start quantity that this job is allowed to complete
END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	Assembly unit number identifier to support Project Manufacturing in Model Unit Effectivity.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment

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# Column Descriptions (Continued)

Name	Null?	Type	Description
PO_CREATION_TIME	NOT NULL	NUMBER	PO Creation Time for Outside Processing
PRIORITY	NULL	NUMBER	Priority of this job
DUE_DATE	NULL	DATE	Due date of this job
EST_SCRAP_ACCOUNT	NULL	NUMBER	Estimated Scrap account
EST_SCRAP_VAR_ACCOUNT	NULL	NUMBER	Estimated Scrap variance account
EST_SCRAP_PRIOR_QTY	NULL	NUMBER	Estimated quantity completed for calculation of operation yield
DUE_DATE_PENALTY	NULL	NUMBER	Penalty incurred if job is late (in days)
DUE_DATE_TOLERANCE	NULL	NUMBER	Number of days a job can be late
COPRODUCTS_SUPPLY	NULL	NUMBER	Flag indicating if this job forms supply for co-products also

## Indexes

Index Name	Index Type	Sequence	Column Name
WIP_DISCRETE_JOBS_N1	NOT UNIQUE	1	PRIMARY_ITEM_ID
WIP_DISCRETE_JOBS_N2	NOT UNIQUE	2	BOM_REFERENCE_ID
		4	ORGANIZATION_ID
WIP_DISCRETE_JOBS_N3	NOT UNIQUE	2	ROUTING_REFERENCE_ID
		4	ORGANIZATION_ID
WIP_DISCRETE_JOBS_N4	NOT UNIQUE	1	CLASS_CODE
		2	ORGANIZATION_ID
		3	ATTRIBUTE1
		4	ATTRIBUTE2
WIP_DISCRETE_JOBS_N5	NOT UNIQUE	1	FIRM_PLANNED_FLAG
		2	STATUS_TYPE
WIP_DISCRETE_JOBS_N6	NOT UNIQUE	2	SCHEDULE_GROUP_ID
		4	BUILD_SEQUENCE
WIP_DISCRETE_JOBS_N7	NOT UNIQUE	1	STATUS_TYPE
		4	ORGANIZATION_ID
		5	SCHEDULED_START_DATE
		6	ATTRIBUTE1
		8	ATTRIBUTE2
WIP_DISCRETE_JOBS_N8	NOT UNIQUE	10	ATTRIBUTE3
		2	LINE_ID
		4	ORGANIZATION_ID
WIP_DISCRETE_JOBS_U1	UNIQUE	1	WIP_ENTITY_ID
		2	ORGANIZATION_ID

## Database Triggers

Trigger Name : WIP\_DISCRETE\_JOBS\_T5  
 Trigger Time : BEFORE  
 Trigger Level : ROW  
 Trigger Event : UPDATE

WIP\_DISCRETE\_JOBS\_T5 calls PJM\_PROJECT\_LOCATOR.GET\_JOB\_PROJECTSUPPLY in order to update the locator for the project, if any, that is associated with the job being updated.

Trigger Name : WIP\_DISCRETE\_JOBS\_BRU  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : UPDATE

WIP\_DISCRETE\_JOBS\_BRU calls the procedure WIP\_MRP\_RELIEF.WIP\_DISCRETE\_JOBS\_PROC if the status\_type of the job is (or was) < 7 and the job is a standard discrete job. This procedure inserts rows into the table MRP\_RELIEF\_INTERFACE to do MPS relief.

Trigger Name : WIP\_DISCRETE\_JOBS\_BRD  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : DELETE

WIP\_DISCRETE\_JOBS\_BRD calls the procedure WIP\_MRP\_RELIEF.WIP\_DISCRETE\_JOBS\_PROC if the status\_type of the job was < 7 and the job is a standard discrete job. This procedure inserts rows into the table MRP\_RELIEF\_INTERFACE to do MPS relief.

Trigger Name : WIP\_DISCRETE\_JOBS\_T4  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : INSERT

WIP\_DISCRETE\_JOBS\_T4 calls PJM\_PROJECT\_LOCATOR.GET\_JOB\_PROJECTSUPPLY in order to find a locator for the project, if any, that is associated with the job being created.

## WIP\_ENTITIES

WIP\_ENTITIES stores information about jobs, repetitive assemblies, and flow schedules. Each row includes a unique entity name, the entity type, and the assembly being built. Oracle Work in Process uses this information to control production activities and to ensure that entities with duplicate names are not created.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	PRIMARY_ITEM_ID ORGANIZATION_ID
WIP_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ENTITY_TYPE	WIP_ENTITY 1 2 3 4	MFG_LOOKUPS Discrete job Repetitive assembly Closed discrete job Flow schedule

### Column Descriptions

Name	Null?	Type	Description
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	Job or schedule Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
REQUEST_ID		NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID		NUMBER	Enhanced Who column
PROGRAM_ID		NUMBER	Enhanced Who column
PROGRAM_UPDATE_DATE		DATE	Enhanced Who column
WIP_ENTITY_NAME	NOT NULL	VARCHAR2(240)	WIP job or repetitive assembly name or flow schedule reference code
ENTITY_TYPE	NOT NULL	NUMBER	WIP entity type code
DESCRIPTION		VARCHAR2(240)	Description of the discrete job or repetitive assembly
PRIMARY_ITEM_ID		NUMBER	Inventory item Identifier for the assembly the job or schedule creates

### Indexes

Index Name	Index Type	Sequence	Column Name
WIP_ENTITIES_N1	NOT UNIQUE	2 4	PRIMARY_ITEM_ID ORGANIZATION_ID
WIP_ENTITIES_U1	UNIQUE	1	WIP_ENTITY_ID
WIP_ENTITIES_U2	UNIQUE	3 4	WIP_ENTITY_NAME ORGANIZATION_ID

Sequences

Sequence	Derived Column
WIP_ENTITIES_S	WIP_ENTITY_ID

## WIP\_LINES

WIP\_LINES stores production line information. Each row includes a line name, maximum and minimum rate information, throughput for rate based lines (lead time), and the start and stop time information that determines the amount of time per day that the line is available. Oracle Work in Process uses this information when you associate a line with a repetitive assembly and when you define a repetitive schedule on the line. Production line information is optional for discrete jobs.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
WIP_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
LINE_SCHEDULE_TYPE	WIP_LINE_SCHED_TYPE	MFG_LOOKUPS
	1	Fixed
	2	Routing-based

### Column Descriptions

Name	Null?	Type	Description
LINE_ID (PK)	NOT NULL	NUMBER	WIP line Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
LINE_CODE	NOT NULL	VARCHAR2(10)	Line name
DESCRIPTION	NULL	VARCHAR2(240)	Descriptive text
DISABLE_DATE	NULL	DATE	Disable date
MINIMUM_RATE	NOT NULL	NUMBER	Hourly minimum rate
MAXIMUM_RATE	NOT NULL	NUMBER	Hourly maximum rate
FIXED_THROUGHPUT	NULL	NUMBER	Fixed lead time hours
LINE_SCHEDULE_TYPE	NOT NULL	NUMBER	Method of calculating the lead time for an assembly on the line
SCHEDULING_METHOD_ID	NULL	NUMBER	Scheduling method identifier
START_TIME	NOT NULL	NUMBER	Start time of the line
STOP_TIME	NOT NULL	NUMBER	Stop time of the line
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment

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*Column Descriptions (Continued)*

Name	Null?	Type	Description
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATP_RULE_ID	NULL	NUMBER	Identifies ATP Rule, which is used for ATP/CTP projects
EXCEPTION_SET_NAME	NULL	VARCHAR2(10)	Exception set name used in Planning

*Indexes*

Index Name	Index Type	Sequence	Column Name
WIP_LINES_U1	UNIQUE	1	LINE_ID
		2	ORGANIZATION_ID
WIP_LINES_U3	UNIQUE	1	LINE_CODE
		2	ORGANIZATION_ID

*Sequences*

Sequence	Derived Column
WIP_LINES_S	LINE_ID



## WIP\_OPERATIONS

WIP\_OPERATIONS stores information about job and repetitive schedule operations. Each row represents a specific operation and includes an operation sequence number, which orders the operations for the job or repetitive schedule. Each row also includes the assembly quantity completed at an operation, the quantity at each intraoperation step, the department associated with an operation, the scheduled start and completion dates for an operation, the operation's countpoint and backflush types and other operation attributes. In general, Oracle Work in Process uses this information to control and monitor assembly production on the shop floor.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	OPERATION_SEQUENCE_ID
BOM_STANDARD_OPERATIONS	STANDARD_OPERATION_ID	STANDARD_OPERATION_ID
WIP_DISCRETE_JOBS	WIP_ENTITY_ID	WIP_ENTITY_ID
WIP_OPERATIONS	WIP_ENTITY_ID	WIP_ENTITY_ID
	OPERATION_SEQ_NUM	PREVIOUS_OPERATION_SEQ_NUM
	REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID
WIP_OPERATIONS	WIP_ENTITY_ID	WIP_ENTITY_ID
	OPERATION_SEQ_NUM	NEXT_OPERATION_SEQ_NUM
	REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID
WIP_REPETITIVE_SCHEDULES	REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BACKFLUSH_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
COUNT_POINT_TYPE	BOM_COUNT_POINT_TYPE	MFG_LOOKUPS
	1	Yes - autocharge
	2	No - autocharge
	3	No - direct charge

### Column Descriptions

Name	Null?	Type	Description
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP job or schedule Identifier
OPERATION_SEQ_NUM (PK)	NOT NULL	NUMBER	Operation sequence number within a routing
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
REPETITIVE_SCHEDULE_ID (PK)	NULL	NUMBER	WIP repetitive schedule Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Enhanced Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Enhanced Who column
OPERATION_SEQUENCE_ID	NULL	NUMBER	Operation sequence Identifier
STANDARD_OPERATION_ID	NULL	NUMBER	Standard operation Identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department Identifier
DESCRIPTION	NULL	VARCHAR2(240)	Descriptive text
SCHEDULED_QUANTITY	NOT NULL	NUMBER	Number of units scheduled for the operation
QUANTITY_IN_QUEUE	NOT NULL	NUMBER	Number of units in Queue of the operation
QUANTITY_RUNNING	NOT NULL	NUMBER	Number of units in To Run of the operation
QUANTITY_WAITING_TO_MOVE	NOT NULL	NUMBER	Number of units waiting To Move in the operation
QUANTITY_REJECTED	NOT NULL	NUMBER	Number of units rejected from the operation
QUANTITY_SCRAPPED	NOT NULL	NUMBER	Number of units scrapped from the operation
QUANTITY_COMPLETED	NOT NULL	NUMBER	Number of units completed by the operation
FIRST_UNIT_START_DATE	NOT NULL	DATE	First unit scheduled receipt date
FIRST_UNIT_COMPLETION_DATE	NOT NULL	DATE	First unit scheduled completion date
LAST_UNIT_START_DATE	NOT NULL	DATE	Last unit scheduled receipt date
LAST_UNIT_COMPLETION_DATE	NOT NULL	DATE	Last unit scheduled completion date
PREVIOUS_OPERATION_SEQ_NUM	NULL	NUMBER	Previous operation sequence number
NEXT_OPERATION_SEQ_NUM	NULL	NUMBER	Next operation sequence number
COUNT_POINT_TYPE	NOT NULL	NUMBER	Operation move type
BACKFLUSH_FLAG	NOT NULL	NUMBER	Backflush control code
MINIMUM_TRANSFER_QUANTITY	NOT NULL	NUMBER	Minimum operation transfer quantity
DATE_LAST_MOVED	NULL	DATE	Operation last move date
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
WF_ITEMTYPE	NULL	VARCHAR2(8)	Workflow Item Type
WF_ITEMKEY	NULL	VARCHAR2(240)	Workflow Item Key
OPERATION_YIELD	NULL	NUMBER	Operation yield for an operation

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*Column Descriptions (Continued)*

Name	Null?	Type	Description
OPERATION_YIELD_ENABLED	NULL	NUMBER	Indicates whether operation yield is to be considered by the cost processor
PRE_SPLIT_QUANTITY	NULL	NUMBER	Start Quantity of Parent job in case of split transaction

*Indexes*

Index Name	Index Type	Sequence	Column Name
WIP_OPERATIONS_N1	NOT UNIQUE	1	REPETITIVE_SCHEDULE_ID
		2	ORGANIZATION_ID
WIP_OPERATIONS_N2	NOT UNIQUE	1	DEPARTMENT_ID
WIP_OPERATIONS_U1	UNIQUE	1	WIP_ENTITY_ID
		2	OPERATION_SEQ_NUM
		3	ORGANIZATION_ID
		4	REPETITIVE_SCHEDULE_ID

*Sequences*

Sequence	Derived Column
WIP_WORKFLOW_S	WF_ITEMKEY

## WIP\_PARAMETERS

WIP\_PARAMETERS stores organization level information used to control Oracle Work in Process. Each row represents the settings for an entire organization and contains default General Ledger accounts for cost elements, scheduling methods, cost accounting methods, and material control defaults.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	DEFAULT_PULL_SUPPLY_LOCATOR_ID ORGANIZATION_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	DEFAULT_PULL_SUPPLY_SUBINV ORGANIZATION_ID
WIP_ACCOUNTING_CLASSES	CLASS_CODE ORGANIZATION_ID	DEFAULT_DISCRETE_CLASS ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BACKFLUSH_LOT_ENTRY_TYPE	WIP_BACKFLUSH_LOT_ENTRY	MFG_LOOKUPS
	1	Manual selection, verify all
	2	Receipt date fifo, verify all
	3	Receipt date fifo, verify exceptions
	4	Expiration date fifo, verify all
DYNAMIC_OPERATION_INSERT_FLAG	5	Expiration date fifo, verify exceptions
	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
MANDATORY_SCRAP_FLAG	2	No
	SYS_YES_NO	MFG_LOOKUPS
MOVES_OVER_NO_MOVE_STATUSES	1	Yes
	2	No
	SYS_YES_NO	MFG_LOOKUPS
REPETITIVE_VARIANCE_TYPE	1	All schedules
	2	Complete - no charges, Cancelled schedules only
SO_CHANGE_RESPONSE_TYPE	WIP_SO_CHANGE_TYPE	MFG_LOOKUPS
	1	Never respond to sales order changes
	2	Always respond to sales order changes
	3	Respond to sales order changes when linked 1 to 1

### Column Descriptions

Name	Null?	Type	Description
COMPONENT_ATP_RULE_ID	NULL	NUMBER	Identifies the component's ATP Rule

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Column Descriptions (Continued)

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DEFAULT_PULL_SUPPLY_SUBINV	NOT NULL	VARCHAR2(10)	Default subinventory used for pull requirements when no pull subinventory has been specified in the bill of materials or as a default WIP supply subinventory in Inventory
DEFAULT_PULL_SUPPLY_LOCATOR_ID	NULL	NUMBER	Default locator used for pull requirements when no pull locator has been specified in the bill of materials or as a default WIP supply locator in Inventory
LOT_NUMBER_DEFAULT_TYPE	NOT NULL	NUMBER	Method used to determine default lot number for a discrete job
BACKFLUSH_LOT_ENTRY_TYPE	NOT NULL	NUMBER	Method of entering lot numbers during a backflush transaction
DEFAULT_DISCRETE_CLASS	NULL	VARCHAR2(10)	Default accounting class for discrete jobs
DYNAMIC_OPERATION_INSERT_FLAG	NOT NULL	NUMBER	Indicates whether operations can be added to a routing from the Move Transactions window
MANDATORY_SCRAP_FLAG	NOT NULL	NUMBER	Used to mandate entering a scrap account on moving assemblies to the Scrap intraoperation
SO_CHANGE_RESPONSE_TYPE	NOT NULL	NUMBER	Manner in which WIP responds to changes made by Oracle Order Management to sales order lines linked to WIP
REPETITIVE_VARIANCE_TYPE	NOT NULL	NUMBER	Controls whether variances are relieved for all or completed and cancelled schedules
AUTORELEASE_DAYS	NOT NULL	NUMBER	On completion of a schedule, a subsequent schedule is released if its start date is within the autorelease days
OSP_SHOP_FLOOR_STATUS	NULL	VARCHAR2(10)	Default shop floor status for outside processing
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
GLOBAL_ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE1	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE2	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE3	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE4	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE5	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE6	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE7	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE8	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE9	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE10	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE11	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE12	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE13	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE14	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE15	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE16	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE18	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE19	NULL	VARCHAR2(150)	Reserved for country-specific functionality
GLOBAL_ATTRIBUTE20	NULL	VARCHAR2(150)	Reserved for country-specific functionality
COMPLETION_COST_SOURCE	NULL	NUMBER	Default completion cost source for average costing
COST_TYPE_ID	NULL	NUMBER	Default cost type Identifier for average costing
AUTO_COMPUTE_FINAL_COMPLETION	NULL	NUMBER	Flag indicating automatic computation of final completions for average costing
MOVES_OVER_NO_MOVE_STATUSES	NULL	NUMBER	Allow skipping of No Move shop floor statuses during Move transactions
SYSTEM_OPTION_ID	NULL	NUMBER	System option Identifier
PO_CREATION_TIME	NOT NULL	NUMBER	Determines whether or not a purchase order is created for outside processing, and when it is created
DEFAULT_OVERCOMPL_TOLERANCE	NULL	NUMBER	Default overcompletion tolerance percentage
PRODUCTION_SCHEDULER_ID	NULL	NUMBER	Production Scheduler Identifier

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Column Descriptions (Continued)

Name	Null?	Type	Description
SHIPPING_MANAGER_ID	NULL	NUMBER	Shipping Manager Identifier
USE_FINITE_SCHEDULER	NULL	NUMBER	Flag to indicate if the constraint based scheduler is used for this organization
MATERIAL_CONSTRAINED	NULL	NUMBER	Flag to indicate if material constraints should be used by the constraint based scheduler
HORIZON_LENGTH	NULL	NUMBER	Horizon length (in days) to be used by the constraint based scheduler
DEFAULT_SCRAP_ACCOUNT_ID	NULL	NUMBER	The scrap account id for mobile scrap transactions
SIMULATION_SET	NULL	VARCHAR2(10)	Simulation set used when scheduling
OPTIMIZATION	NULL	NUMBER	The optimization used in constraint scheduling
DUE_DATE_PENALTY	NULL	NUMBER	Penalty incurred if job is late (in days)
DUE_DATE_TOLERANCE	NULL	NUMBER	Number of days a job can be late
MAXIMUM_PENALTY	NULL	NUMBER	

Indexes

Index Name	Index Type	Sequence	Column Name
WIP_PARAMETERS_U1	UNIQUE	1	ORGANIZATION_ID

## WIP\_PERIOD\_BALANCES

WIP\_PERIOD\_BALANCES stores summary accounting information for jobs and schedules. Each row represents job or schedule charges within a given accounting period, and contains the summary values for each cost element. Oracle Work in Process uses this information to report job and schedule values and to calculate job and period variances.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
ORG_ACCT_PERIODS	ACCT_PERIOD_ID ORGANIZATION_ID	ACCT_PERIOD_ID ORGANIZATION_ID
WIP_DISCRETE_JOBS	WIP_ENTITY_ID	WIP_ENTITY_ID
WIP_FLOW_SCHEDULES	WIP_ENTITY_ID	WIP_ENTITY_ID
WIP_REPETITIVE_SCHEDULES	REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
CLASS_TYPE	WIP_CLASS_TYPE	MFG_LOOKUPS
	1	Standard discrete
	2	Repetitive assembly
	3	Asset non-standard
	4	Expense non-standard

### Column Descriptions

Name	Null?	Type	Description
ACCT_PERIOD_ID (PK)	NOT NULL	NUMBER	Accounting period Identifier
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP job or repetitive assembly Identifier
REPETITIVE_SCHEDULE_ID (PK)	NULL	NUMBER	WIP repetitive schedule Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
CLASS_TYPE	NOT NULL	NUMBER	Accounting class type
TL_RESOURCE_IN	NULL	NUMBER	This level resource value put into the job or repetitive schedule
TL_OVERHEAD_IN	NULL	NUMBER	This level overhead value put into the job or repetitive schedule
TL_OUTSIDE_PROCESSING_IN	NULL	NUMBER	This level outside processing value put into the job or repetitive schedule
PL_MATERIAL_IN	NULL	NUMBER	Previous level material value put into the job or repetitive schedule
PL_MATERIAL_OVERHEAD_IN	NULL	NUMBER	Previous level material overhead value put into the job or repetitive schedule
PL_RESOURCE_IN	NULL	NUMBER	Previous level resource value put into the job or repetitive schedule

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Column Descriptions (Continued)

Name	Null?	Type	Description
PL_OVERHEAD_IN	NULL	NUMBER	Previous level overhead value put into the job or repetitive schedule
PL_OUTSIDE_PROCESSING_IN	NULL	NUMBER	Previous level outside processing value put into the job or repetitive schedule
TL_MATERIAL_OUT	NULL	NUMBER	This level material value taken out of the job or repetitive schedule
TL_MATERIAL_OVERHEAD_OUT	NULL	NUMBER	This level material overhead value taken out of the job or repetitive schedule
TL_RESOURCE_OUT	NULL	NUMBER	This level resource value taken out of the job or repetitive schedule
TL_OVERHEAD_OUT	NULL	NUMBER	This level overhead value taken out of the job or repetitive schedule
TL_OUTSIDE_PROCESSING_OUT	NULL	NUMBER	This level outside processing value taken out of the job or repetitive schedule
PL_MATERIAL_OUT	NULL	NUMBER	Previous level material value taken out of the job or repetitive schedule
PL_MATERIAL_OVERHEAD_OUT	NULL	NUMBER	Previous level material overhead value taken out of the job or repetitive schedule
PL_RESOURCE_OUT	NULL	NUMBER	Previous level resource value taken out of the job or repetitive schedule
PL_OVERHEAD_OUT	NULL	NUMBER	Previous level overhead value taken out of the job or repetitive schedule
PL_OUTSIDE_PROCESSING_OUT	NULL	NUMBER	Previous level outside processing value taken out of the job or repetitive schedule
REQUEST_ID	NULL	NUMBER	Extended Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Extended Who column
PROGRAM_ID	NULL	NUMBER	Extended Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Extended Who column
TL_MATERIAL_VAR	NULL	NUMBER	This level material variance
TL_MATERIAL_OVERHEAD_VAR	NULL	NUMBER	This level material overhead variance
TL_RESOURCE_VAR	NULL	NUMBER	This level resource variance
TL_OUTSIDE_PROCESSING_VAR	NULL	NUMBER	This level outside processing variance
TL_OVERHEAD_VAR	NULL	NUMBER	This level overhead variance
PL_MATERIAL_VAR	NULL	NUMBER	Previous level material variance
PL_MATERIAL_OVERHEAD_VAR	NULL	NUMBER	Previous level material overhead variance
PL_RESOURCE_VAR	NULL	NUMBER	Previous level resource variance
PL_OVERHEAD_VAR	NULL	NUMBER	Previous level overhead variance
PL_OUTSIDE_PROCESSING_VAR	NULL	NUMBER	Previous level outside processing variance
TL_SCRAP_IN	NULL	NUMBER	This level scrap in, applicable only for WSM entities
TL_SCRAP_OUT	NULL	NUMBER	This level scrap out, applicable only for WSM entities

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*Column Descriptions (Continued)*

Name	Null?	Type	Description
TL_SCRAP_VAR	NULL	NUMBER	This level scrap variance, applicable only for WSM entities

*Indexes*

Index Name	Index Type	Sequence	Column Name
WIP_PERIOD_BALANCES_N1	NOT UNIQUE	1	WIP_ENTITY_ID
		2	ACCT_PERIOD_ID
WIP_PERIOD_BALANCES_U1	UNIQUE	1	ACCT_PERIOD_ID
		2	ORGANIZATION_ID
		3	WIP_ENTITY_ID
		4	REPETITIVE_SCHEDULE_ID

## WIP\_REPETITIVE\_ITEMS

WIP\_REPETITIVE\_ITEMS stores information about repetitive assemblies and the production lines on which they are built. Each row represents a particular assembly and line combination, and includes information such as the line priority, the accounting class associated with the line, the production rate, the supply type of the line, whether the line is used in calculating the assembly's lead time (PRIMARY\_LINE\_FLAG), the completion subinventory and locator for a line, and the alternate bill and/or routing used for a particular line. Oracle Work in Process uses this information when you define repetitive schedules. Oracle Master Scheduling/MRP and Oracle Supply Chain Planning, as well as Oracle Capacity, use this information when mass loading repetitive schedules and running capacity loads on repetitive schedules.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	ALTERNATE_BOM_DESIGNATOR ORGANIZATION_ID ASSEMBLY_ITEM_ID	ALTERNATE_BOM_DESIGNATOR ORGANIZATION_ID PRIMARY_ITEM_ID
BOM_OPERATIONAL_ROUTINGS	ALTERNATE_ROUTING_DESIGNATOR ORGANIZATION_ID ASSEMBLY_ITEM_ID	ALTERNATE_ROUTING_DESIGNATOR ORGANIZATION_ID PRIMARY_ITEM_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	COMPLETION_LOCATOR_ID ORGANIZATION_ID
MTL_ITEM_SUB_INVENTORIES	INVENTORY_ITEM_ID ORGANIZATION_ID SECONDARY_INVENTORY	PRIMARY_ITEM_ID ORGANIZATION_ID COMPLETION_SUBINVENTORY
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	COMPLETION_SUBINVENTORY ORGANIZATION_ID
MTL_SECONDARY_LOCATORS	INVENTORY_ITEM_ID ORGANIZATION_ID SECONDARY_LOCATOR	PRIMARY_ITEM_ID ORGANIZATION_ID COMPLETION_LOCATOR_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	PRIMARY_ITEM_ID ORGANIZATION_ID
WIP_ACCOUNTING_CLASSES	CLASS_CODE ORGANIZATION_ID	CLASS_CODE ORGANIZATION_ID
WIP_ENTITIES	WIP_ENTITY_ID	WIP_ENTITY_ID
WIP_LINES	LINE_ID	LINE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
PRIMARY_LINE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
WIP_SUPPLY_TYPE	WIP_SUPPLY	MFG_LOOKUPS
	1	Push
	2	Assembly Pull
	3	Operation Pull
	4	Bulk
	5	Supplier
	6	Phantom

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## QuickCodes Columns (Continued)

Column	QuickCodes Type		QuickCodes Table
	7		Based on Bill
Column Descriptions			
Name	Null?	Type	Description
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP repetitive assembly Identifier
LINE_ID (PK)	NOT NULL	NUMBER	WIP line Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Enhanced Who column
PRIMARY_ITEM_ID	NOT NULL	NUMBER	Inventory item Identifier for assembly that the repetitive schedule creates
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Alternate bill of material used for assembly
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Alternate routing used in a repetitive assembly
CLASS_CODE	NOT NULL	VARCHAR2(10)	Accounting class associated with the repetitive item
WIP_SUPPLY_TYPE	NOT NULL	NUMBER	Method of material consumption within WIP
COMPLETION_SUBINVENTORY	NULL	VARCHAR2(10)	Default subinventory for completed units of assembly
COMPLETION_LOCATOR_ID	NULL	NUMBER	Default locator Identifier for completed units of assembly
LOAD_DISTRIBUTION_PRIORITY	NOT NULL	NUMBER	Priority that determines load distribution across lines for repetitive mass load
PRIMARY_LINE_FLAG	NOT NULL	NUMBER	Flag indicating whether or not the line is used for lead time calculations
PRODUCTION_LINE_RATE	NOT NULL	NUMBER	Number of assemblies that run down the line per hour
OVERCOMPLETION_TOLERANCE_TYPE	NULL	NUMBER	Unit of OVERCOMPLETION_TOLERANCE_VALUE (percent or amount)
OVERCOMPLETION_TOLERANCE_VALUE	NULL	NUMBER	Percent or amount above expected quantity that can be completed
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment

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Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment

Indexes

Index Name	Index Type	Sequence	Column Name
WIP_REPETITIVE_ITEMS_N1	NOT UNIQUE	1	PRIMARY_ITEM_ID
WIP_REPETITIVE_ITEMS_N2	NOT UNIQUE	1	LINE_ID
		2	PRIMARY_ITEM_ID
WIP_REPETITIVE_ITEMS_N3	NOT UNIQUE	1	CLASS_CODE
		2	ORGANIZATION_ID
		3	ATTRIBUTE1
WIP_REPETITIVE_ITEMS_U1	UNIQUE	1	WIP_ENTITY_ID
		2	LINE_ID
		3	ORGANIZATION_ID

## WIP\_REPETITIVE\_SCHEDULES

WIP\_REPETITIVE\_SCHEDULES stores repetitive schedule information. Each row includes a repetitive schedule Identifier, information about the schedule's production line, start and end dates, rate, throughput, revision, status, and information on the General Ledger accounts to which charges for this schedule are written. Oracle Work in Process uses this information to control repetitive production.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	BILL_SEQUENCE_ID	COMMON_BOM_SEQUENCE_ID
BOM_OPERATIONAL_ROUTINGS	ROUTING_SEQUENCE_ID	COMMON_ROUTING_SEQUENCE_ID
WIP_REPETITIVE_ITEMS	WIP_ENTITY_ID LINE_ID	WIP_ENTITY_ID LINE_ID
WIP_REPETITIVE_ITEMS	WIP_ENTITY_ID LINE_ID	WIP_ENTITY_ID LINE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
FIRM_PLANNED_FLAG	SYS_YES_NO 1 2	MFG_LOOKUPS Yes No
STATUS_TYPE	WIP_JOB_STATUS 1 10 11 12 13 14 15 3 4 5 6 7 8 9	MFG_LOOKUPS Unreleased Pending Routing Load Failed Routing Load Closed Pending - Mass Loaded Pending Close Failed Close Released Complete Complete - No Charges On Hold Cancelled Pending Bill Load Failed Bill Load

### Column Descriptions

Name	Null?	Type	Description
REPETITIVE_SCHEDULE_ID (PK)	NOT NULL	NUMBER	WIP repetitive schedule Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_ID	NULL	NUMBER	Enhanced Who column

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Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_UPDATE_DATE	NULL	DATE	Enhanced Who column
WIP_ENTITY_ID	NOT NULL	NUMBER	WIP repetitive assembly Identifier
LINE_ID	NOT NULL	NUMBER	WIP line Identifier
DAILY_PRODUCTION_RATE	NOT NULL	NUMBER	Schedule daily quantity
PROCESSING_WORK_DAYS	NOT NULL	NUMBER	Processing work days
STATUS_TYPE	NOT NULL	NUMBER	Status of repetitive schedule
FIRM_PLANNED_FLAG	NOT NULL	NUMBER	Control for MRP rescheduling
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Alternate bill of material used in repetitive schedule
COMMON_BOM_SEQUENCE_ID	NULL	NUMBER	Common bill Identifier
BOM_REVISION	NULL	VARCHAR2(3)	Inventory item revision code
BOM_REVISION_DATE	NULL	DATE	Date of inventory item revision used to explode the bill of material used in the schedule
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Alternate routing used in a repetitive schedule
COMMON_ROUTING_SEQUENCE_ID	NULL	NUMBER	Common routing Identifier
ROUTING_REVISION	NULL	VARCHAR2(3)	Routing revision code
ROUTING_REVISION_DATE	NULL	DATE	Routing revision date
FIRST_UNIT_START_DATE	NOT NULL	DATE	First unit start date
FIRST_UNIT_COMPLETION_DATE	NOT NULL	DATE	First unit completion date
LAST_UNIT_START_DATE	NOT NULL	DATE	Last unit start date
LAST_UNIT_COMPLETION_DATE	NOT NULL	DATE	Last unit completion date
DATE_RELEASED	NULL	DATE	Date on which repetitive schedule is released
DATE_CLOSED	NULL	DATE	Date on which the repetitive schedule is set to Complete - No charges or to Cancelled
QUANTITY_COMPLETED	NOT NULL	NUMBER	Current quantity completed on the schedule
DESCRIPTION	NULL	VARCHAR2(240)	Descriptive text
DEMAND_CLASS	NULL	VARCHAR2(30)	Type of demand the schedule satisfies
MATERIAL_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate material charges for a repetitive schedule
MATERIAL_OVERHEAD_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate material overhead charges for a repetitive schedule
RESOURCE_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate resource charges for a repetitive schedule
OVERHEAD_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate overhead charges for a repetitive schedule
OUTSIDE_PROCESSING_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate outside processing charges for a repetitive schedule
MATERIAL_VARIANCE_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate material variances for a repetitive schedule
OVERHEAD_VARIANCE_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate overhead variances for a repetitive schedule
RESOURCE_VARIANCE_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate resource variances for a repetitive schedule

# Column Descriptions (Continued)

Name	Null?	Type	Description
OUTSIDE_PROC_VARIANCE_ACCOUNT	NOT NULL	NUMBER	General Ledger account to accumulate outside processing variances for a repetitive schedule
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
PO_CREATION_TIME	NOT NULL	NUMBER	Determines whether or not a purchase order is created for an outside processing item, and when it is created

## Indexes

Index Name	Index Type	Sequence	Column Name
WIP_REPETITIVE_SCHEDULES_N1	NOT UNIQUE	1	LINE_ID
WIP_REPETITIVE_SCHEDULES_N2	NOT UNIQUE	1	WIP_ENTITY_ID
		2	LINE_ID
WIP_REPETITIVE_SCHEDULES_U1	UNIQUE	1	REPETITIVE_SCHEDULE_ID
		2	ORGANIZATION_ID

## Sequences

Sequence	Derived Column
WIP_REPETITIVE_SCHEDULES_S	REPETITIVE_SCHEDULE_ID



## WIP\_REQUIREMENT\_OPERATIONS

WIP\_REQUIREMENT\_OPERATIONS stores information about the material requirements of jobs and schedules. Each row represents a material requirement and contains information about the component item, its usage quantities, the using department, requirement date, and the material control method. Oracle Work in Process uses this information to track the material usage of jobs and schedules.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_INVENTORY_COMPONENTS	COMPONENT_SEQUENCE_ID	COMPONENT_SEQUENCE_ID
MTL_ITEM_LOCATIONS	INVENTORY_LOCATION_ID ORGANIZATION_ID	SUPPLY_LOCATOR_ID ORGANIZATION_ID
MTL_ITEM_SUB_INVENTORIES	ORGANIZATION_ID SECONDARY_INVENTORY INVENTORY_ITEM_ID	ORGANIZATION_ID SUPPLY_SUBINVENTORY INVENTORY_ITEM_ID
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME ORGANIZATION_ID	SUPPLY_SUBINVENTORY ORGANIZATION_ID
MTL_SECONDARY_LOCATORS	ORGANIZATION_ID SECONDARY_LOCATOR INVENTORY_ITEM_ID	ORGANIZATION_ID SUPPLY_LOCATOR_ID INVENTORY_ITEM_ID
MTL_SYSTEM_ITEMS_B	ORGANIZATION_ID INVENTORY_ITEM_ID	ORGANIZATION_ID INVENTORY_ITEM_ID
WIP_DISCRETE_JOBS	WIP_ENTITY_ID	WIP_ENTITY_ID
WIP_OPERATIONS	WIP_ENTITY_ID OPERATION_SEQ_NUM REPETITIVE_SCHEDULE_ID	WIP_ENTITY_ID OPERATION_SEQ_NUM REPETITIVE_SCHEDULE_ID
WIP_REPETITIVE_SCHEDULES	REPETITIVE_SCHEDULE_ID	REPETITIVE_SCHEDULE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
MRP_NET_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
WIP_SUPPLY_TYPE	WIP_SUPPLY	MFG_LOOKUPS
	1	Push
	2	Assembly Pull
	3	Operation Pull
	4	Bulk
	5	Supplier
	6	Phantom
	7	Based on Bill

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Item Identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization Identifier
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP job or repetitive assembly Identifier
OPERATION_SEQ_NUM (PK)	NOT NULL	NUMBER	Operation sequence number within a routing

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Column Descriptions (Continued)

Name	Null?	Type	Description
REPETITIVE_SCHEDULE_ID (PK)	NULL	NUMBER	WIP repetitive schedule Identifier
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
REQUEST_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_ID	NULL	NUMBER	Enhanced Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Enhanced Who column
COMPONENT_SEQUENCE_ID	NULL	NUMBER	Bill of materials component sequence Identifier
DEPARTMENT_ID	NULL	NUMBER	Department Identifier
WIP_SUPPLY_TYPE	NOT NULL	NUMBER	Method of material consumption within WIP
DATE_REQUIRED	NULL	DATE	Operation requirement start date
REQUIRED_QUANTITY	NOT NULL	NUMBER	Part quantity required
QUANTITY_ISSUED	NOT NULL	NUMBER	Part quantity issued
QUANTITY_PER_ASSEMBLY	NOT NULL	NUMBER	Part usage quantity
COMMENTS	NULL	VARCHAR2(240)	Component comment descriptive text
SUPPLY_SUBINVENTORY	NULL	VARCHAR2(10)	Subinventory used to supply component to WIP
SUPPLY_LOCATOR_ID	NULL	NUMBER	Locator used to supply component to WIP
MRP_NET_FLAG	NOT NULL	NUMBER	Determines whether or not MRP should consider the component requirement in its netting process
MPS_REQUIRED_QUANTITY	NULL	NUMBER	Quantity used by MPS relief process
MPS_DATE_REQUIRED	NULL	DATE	Date used by MPS relief process
SEGMENT1	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT2	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT3	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT4	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT5	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT6	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT7	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT8	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT9	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT10	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT11	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT12	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT13	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory

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Column Descriptions (Continued)

Name	Null?	Type	Description
SEGMENT14	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT15	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT16	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT17	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT18	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT19	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
SEGMENT20	NULL	VARCHAR2(40)	Item flexfield segment, copied from Inventory
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield structure defining column
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield segment
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield segment
RELIEVED_MATL_COMPLETION_QTY	NULL	NUMBER	Material quantity relieved due to WIP completion
RELIEVED_MATL_SCRAP_QUANTITY	NULL	NUMBER	Material quantity relieved due to WIP scrap
RELIEVED_MATL_FINAL_COMP_QTY	NULL	NUMBER	Material quantity relieved due to negative final completion

Indexes

Index Name	Index Type	Sequence	Column Name
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		2	ORGANIZATION_ID
		3	DATE_REQUIRED
WIP_REQUIREMENT_OPERATIONS_N2	NOT UNIQUE	1	REPETITIVE_SCHEDULE_ID
		2	ORGANIZATION_ID
		3	INVENTORY_ITEM_ID
WIP_REQUIREMENT_OPERATIONS_N3	NOT UNIQUE	2	INVENTORY_ITEM_ID
		4	ORGANIZATION_ID
		6	REQUIRED_QUANTITY
		8	QUANTITY_ISSUED
WIP_REQUIREMENT_OPERATIONS_U1	UNIQUE	1	WIP_ENTITY_ID
		2	INVENTORY_ITEM_ID
		3	OPERATION_SEQ_NUM
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Thank you for helping us improve our documentation.

