

Oracle® Capacity

Technical Reference Manual

Release 11i

**CAUTION!**

This document contains proprietary,  
confidential information that is the exclusive  
property of Oracle Corporation.

**See back cover for  
important information.**

**KEEP  
UNDER  
LOCK &  
KEY**



# Oracle® Capacity Technical Reference Manual

**RELEASE 11*i***

**December, 1999**

**ORACLE®**

Oracle® Capacity Technical Reference Manual  
Release 11i

To order this book, ask for Part No. A80843-01

Copyright © 1994, 1998, 1999. Oracle Corporation. All rights reserved.

Major Contributors: Sriram Bala, Brandy Baumbach, Christine Chen, Emily Chen, Shailesh Kumar, Sridhar Lakshminarayanan, Nagaraj Srinivasan, Rosalyn Vu

Contributors: Nancy Kane, Scott Malcolm, Zoe Antliff-Mitchell, Susan Saperstein, Nadeem Syed

This Technical Reference Manual (TRM) in any form, software or printed matter, contains proprietary information of Oracle Corporation; it is provided under an Oracle Corporation agreement containing restrictions on use and disclosure and is also protected by copyright, patent, and other intellectual property law. Restrictions applicable to this TRM include, but are not limited to: (a) exercising either the same degree of care to safeguard the confidentiality of this TRM as you exercise to safeguard the confidentiality of your own most important Confidential Information or a reasonable degree of care, whichever is greater; (b) maintaining agreements with your employees and agents that protect the Confidential Information of third parties such as Oracle Corporation and instructing such employees and agents of these requirements for this TRM; (c) restricting disclosure of this TRM to those of your employees who have a "need to know" consistent with the purposes for which this TRM was disclosed to you; (d) maintaining this TRM at all times on your premises; (e) not removing or destroying any proprietary or confidential legends or markings placed upon this TRM in whatever form, software or printed matter; and (f) not reproducing or transmitting this TRM in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Oracle Corporation. You should not use this TRM in any form, software or printed matter, to create software that performs the same or similar functions as any Oracle Corporation products.

The information in this TRM is subject to change without notice. If you find any problems in the TRM in any form, software or printed matter, please report them to us in writing. Oracle Corporation does not warrant that this TRM is error-free. This TRM is provided to customer "as-is" with no warranty of any kind. This TRM does not constitute Documentation as that term is defined in Oracle's agreements.

Reverse engineering of the Programs (software and documentation) associated with this TRM are prohibited. The Programs associated with this TRM are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be licensee's responsibility to take all appropriate fail-safe, back-up, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and Oracle disclaims liability for any damages caused by such use of the Programs.

#### Restricted Rights Legend

This TRM and the Programs associated with this TRM delivered subject to the DOD FAR Supplement are 'commercial computer software' and use, duplication and disclosure of the TRM and the Programs associated with this TRM shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement. Otherwise, this TRM and the Programs associated with this TRM delivered subject to the Federal Acquisition Regulations are 'restricted computer software' and use, duplication and disclosure of the TRM and the Programs associated with this TRM shall be subject to the restrictions in FAR 52.227-14, Rights in Data --- General, including Alternate III (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065.

Oracle is a registered trademark, and CASE\*Exchange, Enabling the Information Age, Hyper\*SQL, NLS\*Workbench, Oracle7, Oracle8, Oracle 8i, Oracle Access, Oracle Application Object Library, Oracle Discoverer, Oracle Financials, Oracle Quality, Oracle Web Customers, Oracle Web Employees, Oracle Work in Process, Oracle Workflow, PL/SQL, Pro\*Ada, Pro\*C, Pro\*COBOL, Pro\*FORTRAN, Pro\*Pascal, Pro\*PL/I, SmartClient, SQL\*Connect, SQL\*Forms, SQL\*Loader, SQL\*Menu, SQL\*Net, SQL\*Plus, and SQL\*Report are trademarks or registered trademarks of Oracle Corporation. Other names may be trademarks of their respective owners.



# CAUTION

**T**his Technical Reference Manual in any form — software or printed matter — contains proprietary, confidential information that is the exclusive property of Oracle Corporation. If you do not have a valid contract with Oracle for the use of this Technical Reference Manual or have not signed a non-disclosure agreement with Oracle covering this Technical Reference Manual, then you received this document in an unauthorized manner and are not legally entitled to possess or read it.

Use, duplication, and disclosure are subject to restrictions stated in your contract with Oracle Corporation.





# Contents

<b>Chapter 1</b>	<b>Introduction . . . . .</b>	<b>1 – 1</b>
<b>Chapter 2</b>	<b>High-Level Design . . . . .</b>	<b>2 – 1</b>
	Overview of High-Level Design . . . . .	2 – 2
	Summary Database Diagram . . . . .	2 – 6
	Database Diagrams . . . . .	2 – 9
	Public Table List . . . . .	2 – 12
	Public View List . . . . .	2 – 15
	Forms and Table View List . . . . .	2 – 16
	Internal View List . . . . .	2 – 17
	Module List . . . . .	2 – 18
<b>Chapter 3</b>	<b>Detailed Design . . . . .</b>	<b>3 – 1</b>
	Overview of Detailed Design . . . . .	3 – 2
	Table and View Definitions . . . . .	3 – 3
	<b>Index</b>	





# Introduction

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

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

---

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

---

## About this Manual

This manual describes the Oracle Applications Release 11i data model, as used by Capacity; 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 Capacity 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 Capacity. You can also use *Oracle MetaLink* which is accessible through Oracle's Support Web Center ([http://www.oracle.com/support/elec\\_sup](http://www.oracle.com/support/elec_sup)).

---

## Finding the Latest Information

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

---

## Audience

The *Oracle Payables Applications 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 Capacity. 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 – 9).

---

### Public Sector and Other Industry-specific Products

For certain products, including Capacity, Oracle provides several distinct software versions tailored for a specific industry or vertical, containing additional functionality not present in the base or non-vertical-specific product.

The data model for Capacity supports a superset of all the functionality used by a vertical-specific version of Capacity, including the Oracle Public Sector Financials version of Capacity. Therefore, you can use this manual in conjunction with Oracle Public Sector General Ledger, Oracle Public Sector Payables, Oracle Public Sector Purchasing, or Oracle Public Sector Receivables.

---

## How This Manual is Organized

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

### **High-Level Design**

---

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

### **Detailed Design**

---

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

---

## How to Use This Manual

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

- Convert existing application data
- Integrate your Capacity 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.

Here are examples of how you might use the *Oracle Payables Applications Technical Reference Manual*:

### Example #1

---

Suppose you are writing a custom application to update the bank account information in your Oracle Payables application. Your first step is to locate a table in the Table List section of Chapter 2 that your Oracle Payables application uses to store bank information. Keep in mind that tables in Oracle Payables applications have intuitive names. You see that there is a table named `AP_BANK_ACCOUNTS_ALL` which contains detailed information about the bank accounts you define.

You then refer to the Table and View Definitions section in Chapter 3 for a detailed description of the table and its columns. You can examine the column descriptions and column types to ensure that your custom application references the correct columns. Then you can look at the foreign keys list to identify tables related to `AP_BANK_ACCOUNTS_ALL`. You can examine the descriptions of the related tables to ensure that your custom application references those tables holding information required for bank accounts.

---

## How Not To Use This Manual

---

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

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

We have constructed Oracle Capacity 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 – 9). 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 Payables Applications Technical Reference Manual* does not contain complete information about the dependencies between Capacity 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 Capacity application.

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

---

### **Do not rely on upward compatibility of the data model**

Oracle reserves the right to change the structure of Oracle Capacity 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 Capacity data model. For example, if you

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

write a report that identifies concurrent requests that end in Error status by selecting directly from Oracle Application Object Library tables, we do not guarantee that your report will work properly after an upgrade.

---

## About Oracle Application Object Library

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



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

Accordingly, this manual does not contain detailed information about most Oracle Application Object Library tables used by Oracle Capacity.

---

## A Few Words About Terminology

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

### Relationship

---

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

### Database Diagram

---

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

## **Summary Database Diagram**

---

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

## **Module**

---

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

## **Application Building Block**

---

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

## **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.

## **Form**

---

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



---

## Other Information Sources

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

---

### Oracle Designer Online Documentation

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

---

### Oracle Applications Developer's Guide

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

---

### Oracle Applications User Interface Standards

This manual contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications products and how to apply this UI to the design of an application built using Oracle Forms 6.

---

### Oracle Payables User Guide

---

### Oracle Public Sector Payables User Guide

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

---

### Oracle Global Financial Applications Technical Reference Manual

This manual describes additional tables and views that have been added to support features that meet statutory requirements and common business practices in your country or region. The Appendix of this manual also describes how the GLOBAL\_ATTRIBUTE columns of your base product tables are used in your country or region.

## **Country-Specific Manuals**

---

Use these manuals to meet statutory requirements and common business practices in your country or region. They also describe additional features added to Capacity to meet those requirements. Look for a user guide appropriate to your country; for example, see the *Oracle Financials for the Czech Republic User Guide* for more information about using this software in the Czech Republic.

## **Oracle Self-Service Web Applications Online Documentation**

---

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

## **Oracle Applications Flexfields Guide**

---

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

## **Oracle Workflow Guide**

---

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

## **Oracle Alert User Guide**

---

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

## **Multiple Reporting Currencies in Oracle Applications**

---

If you use the Multiple Reporting Currencies feature to report and maintain accounting records in more than one currency, use this manual before implementing Capacity. This manual details additional

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

steps and setup considerations for implementing Capacity with this feature.

---

### **Multiple Organizations in Oracle Applications**

---

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

---

This book contains a brief summary of all open interface discussions in all Oracle Financial Applications user guides. You can also read about the Payables open interface tables in the appendix of the *Oracle Payables User Guide*.

---

### **Oracle Manufacturing, Distribution, Sales and Service Open Interfaces Manual**

---

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

---

### **Oracle Applications Messages Manual**

---

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

---

### **Oracle Public Sector Financials Messages Manual**

---

This manual contains the text of numbered error messages in Oracle Public Sector Financials and related Oracle Applications products. (Oracle Applications messages begin with the prefix "APP-".) It also provides information on the actions you take if you get a message. Note: This manual is available only in HTML format.

# Installation and System Administration

## **Oracle Applications Installation Release Notes**

---

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

## **Oracle Applications Concepts**

---

Designed to be the first book the user reads to prepare for an installation of Oracle Applications. It explains the technology stack, architecture, features and terminology for Oracle Applications Release 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**

---

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**

---

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

## **Upgrading Oracle Applications**

---

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

## **Oracle Applications System Administrator's Guide**

---

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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

## **Oracle Applications Product Update Notes**

---

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

## **Oracle Self-Service Web Applications Implementation Manual**

---

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

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

---

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

## **Other Information**

### **Training**

---

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

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

### **Support**

---

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep Oracle Capacity working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business.

area, managing an Oracle server, and your hardware and software environment.

---

## 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.

---

## Thank You

Thanks for using Oracle Capacity and this technical reference manual!

We appreciate your comments and feedback. At the back of this manual is a Reader's Comment Form that you can use to explain what you like or dislike about Oracle Capacity or this technical reference manual. Mail your comments to the following address or call us directly at (650) 506-7000.

Oracle Applications Documentation Manager  
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).





# High-Level Design

**T**his chapter presents a high-level design for Oracle Capacity that satisfies the business needs we specify during Strategy and Analysis. It contains database diagrams for Oracle Capacity application building blocks, lists of database tables and views, and a list of modules.

---

## 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 Capacity applications. And, you can prepare yourself to understand the detailed design and implementation of Oracle Capacity.

---

## 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 Capacity application depends.

---

## Database Diagrams

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

Use this section to quickly learn what tables each Capacity 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.

---

## Table Lists

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

---

## View Lists

The View List sections list the Capacity 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.

## **Forms and Table Views**

---

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

## **Internal Views**

---

This section includes each private, internal view that Capacity uses.

## **Single-Organization Views**

---

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

## **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 Capacity 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 Capacity. Use your user's guide to learn more about reports and concurrent processes.

---

## Summary Database Diagram

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

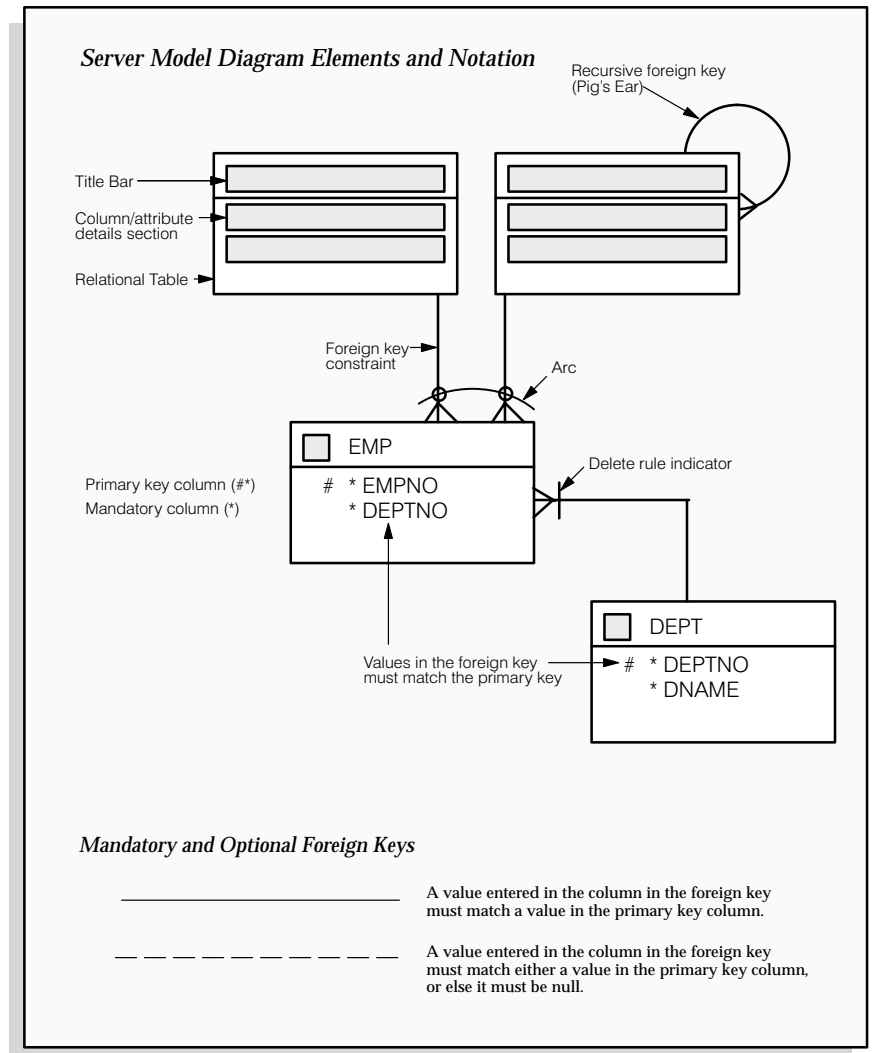
This diagram does not represent the complete database implementation of Capacity applications tables. It shows tables that contain key reference and transaction data, and omits tables and relationships that contribute little to the understanding of the Capacity applications data model. For example, a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

For more detailed graphical representations of Capacity applications tables and the relationships between them, see the Database Diagrams section in this chapter.

## 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.



---

## Database Diagrams

This section graphically represents all Oracle Capacity tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each Capacity 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 the Capacity application building blocks.

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.

### Capacity Information

---

Diagram 1 shows the tables and relationships that store capacity information for MPS, MRP, and DRP plans. These tables are used by the planning processes to generate capacity information. The results of the capacity plan can be reviewed in the Planner Workbench.

---

## How to Use These Database Diagrams

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

Suppose you want to write a custom report that prints certain information on the utilization of the capacity of your plant.

In Diagram 1, for any MPS, MRP or DRP plan, the list of planned resources is contained in the CRP\_PLANNED\_RESOURCES table. To calculate the utilization of a particular resource, you need the requirement and availability of that resource.

From Diagram 1 the resource requirements for discrete resources are stored in the CRP\_RESOURCE\_PLAN table. For lines, the requirements are divided between CRP\_RESOURCE\_PLAN, MRP\_RECOMMENDATIONS and MRP\_SUGG\_REP\_SCHEDULES tables.

Diagram 1 also shows the information that determines these tables. For example, discrete resource requirements in CRP\_RESOURCE\_PLAN are based on planned order requirements generated from the routing in MRP\_PLANNED\_RESOURCE\_REQS and discrete job requirements contained in MRP\_WIP\_RESOURCES. Resource availability

information for a resource is contained in CRP\_AVAILABLE\_RESOURCES table. From Diagram 1 it can be seen that this in turn is based on resource availability information for 24 hour and shift based resources contained in different Bills of Material entities. Resource utilization can be calculated using the availability and requirements data contained in the above mentioned tables. Overutilization and underutilization exceptions for planned resources are calculated in this manner and stored in MRP\_EXCEPTION\_DETAILS as shown in the diagram.

The table definitions in Chapter 3 give more information on columns in each of these tables to complete your report.

\_\_\_\_\_



# Public Table List

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

Table Name	Description
BOM_BILL_OF_MATERIALS	Bills of material (See page 3 – 8)
BOM_CALENDAR_DATES	Workday calendar dates (See page 3 – 11)
BOM_CALENDAR_SHIFTS	Workday calendar shifts (See page 3 – 13)
BOM_DEPARTMENTS	Departments (See page 3 – 15)
BOM_DEPARTMENT_RESOURCES	Resources associated with departments (See page 3 – 17)
BOM_INVENTORY_COMPONENTS	Bill of material components (See page 3 – 19)
BOM_OPERATIONAL_ROUTINGS	Routings (See page 3 – 24)
BOM_OPERATION_RESOURCES	Resources on operations (See page 3 – 27)
BOM_OPERATION_SEQUENCES	Routing operations (See page 3 – 29)
BOM_RESOURCES	Resources, overheads, material cost codes, and material overheads (See page 3 – 35)
BOM_RESOURCE_CHANGES	Resource capacity modifications (See page 3 – 38)
BOM_RESOURCE_SHIFTS	Resource shift information (See page 3 – 40)
BOM_SHIFT_DATES	Workday calendar shift dates (See page 3 – 41)
BOM_SHIFT_TIMES	Workday calendar shift times (See page 3 – 42)
CRP_AVAILABLE_RESOURCES	Resource availability information (See page 3 – 43)
CRP_BILLS_OF_RESOURCES	Bill of resource sets (See page 3 – 45)
CRP_BILL_OF_RESOURCE_ITEMS	Items in a bill of resource set (See page 3 – 46)

Oracle Proprietary, Confidential Information--Use Restricted by Contract

CRP_CAL_SHIFT_DELTA	Deltas between the primary calendar and shift calendars (See page 3 – 47)
CRP_CAPACITY_PLANS	Bucketed resource availability and requirement information (See page 3 – 49)
CRP_DISPLAY_OPTIONS	User interface setup information for CRP forms (See page 3 – 51)
CRP_FORM_QUERY	Generic query table for inquiry forms (See page 3 – 53)
CRP_PLANNED_RESOURCES	List of resources planned in the CRP run (See page 3 – 55)
CRP_RESOURCE_HOURS	Results of the rollup for rough cut capacity (See page 3 – 57)
CRP_RESOURCE_PLAN	Capacity resource plan (See page 3 – 60)
CRP_SIMULATION_SETS	Simulation set names (See page 3 – 62)
CST_DEPARTMENT_OVERHEADS	Department overhead cost definition (See page 3 – 63)
CST_RESOURCE_COSTS	Resource and outside processing resource cost definition (See page 3 – 65)
FND_ID_FLEX_SEGMENTS	Key flexfield segments setup information and correspondences between table columns and key flexfield segments. No table description.
HR_ORG_INFORMATION_TYPES	Information types that are used to add information for an organization. (See page 3 – 67)
MRP_DESIGNATORS	Plan names (See page 3 – 68)
MRP_PLANNED_RESOURCE_REQS	Resource requirements to build an assembly (See page 3 – 70)
MRP_PLANS	Settings for a specific plan name (See page 3 – 72)
MRP_PLAN_ORGANIZATIONS	Organizations planned by a MRP/MPS/DRP plan (See page 3 – 78)
MRP_RECOMMENDATIONS	MRP plan recommendations (See page 3 – 80)
MRP_SCHEDULE_DATES	Master production schedule and master demand schedule (See page 3 – 87)
MRP_SCHEDULE_DESIGNATORS	Schedule names (See page 3 – 92)
MRP_SCHEDULE_ITEMS	Master scheduled items (See page 3 – 94)

MRP_SYSTEM_ITEMS	MRP item master (See page 3 – 96)
MRP_WIP_RESOURCES	Resources used for a job (See page 3 – 101)
MTL_CATEGORIES_B	Code combinations table for item categories (See page 3 – 103)
MTL_DEMAND	Sales order demand and reservations (See page 3 – 105)
MTL_ITEM_STATUS	Material status definitions (See page 3 – 111)
MTL_PARAMETERS	Inventory control options and defaults (See page 3 – 112)
MTL_SYSTEM_ITEMS_B	Inventory item definitions (See page 3 – 119)
MTL_UOM_CONVERSIONS	Unit of measure conversion table for both default and item specific conversions (See page 3 – 138)
WIP_ENTITIES	Information common to jobs and schedules (See page 3 – 140)
WIP_LINES	Production lines (See page 3 – 142)
WIP_OPERATIONS	Operations necessary for jobs and schedules (See page 3 – 144)
WIP_REPETITIVE_ITEMS	Line/assembly associations (See page 3 – 147)
WIP_REPETITIVE_SCHEDULES	Repetitive schedules (See page 3 – 150)

---

# Public View List

This section lists each public database view that Capacity 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.

Capacity uses the following public views:

View Name	Description
BOM_ORG_CAL_DATES_VIEW	Calendar dates by organization (See page 3 – 32)
BOM_ORG_CAL_PERIODS_VIEW	View for period start dates (See page 3 – 33)
BOM_ORG_CAL_WEEKS_VIEW	Week start dates (See page 3 – 34)

---

## Forms and Table View List

This section lists supplementary views that are not essential to the Release 11 data model, but simplify coding or improve performance of Developer/2000. For example, many of these views are used as base tables in Capacity 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 Capacity.

Capacity uses the following Forms and Table views:

- CRP\_AVAILABLE\_RESOURCES\_V
- CRP\_BILL\_OF\_RESOURCE\_ITEMS\_V
- CRP\_CAPACITY\_PLANS\_V
- CRP\_PLANNED\_RESOURCES\_V
- CRP\_RESOURCE\_HOURS\_V
- CRP\_RESOURCE\_REQUIREMENTS\_V
- ORG\_ORGANIZATION\_DEFINITIONS



---

## Internal View List

This section lists each private, internal view that Capacity uses.



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

Capacity uses the following internal views:

- CRP\_24HR\_AVAILABLE\_HOURS
- CRP\_AVAILABLE\_HOURS
- CRP\_FORM\_QUERY\_V
- CRP\_OTHER\_AVAILABLE\_HOURS
- CRP\_REQUIRED\_HOURS
- CRP\_RESOURCE\_V

---

# Module List

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

---

## Forms

CRPFCBOR	Enter Bill of Resources
CRPFCCSS	Define Simulation Sets
CRPFCVCP	View Capacity Plan

---

## Reports

CRPRRBOR	Bill of Resources Report
----------	--------------------------

---

## Concurrent Programs

CYCCRP	Report capacity requirements plan
CYCPLN	Generate the capacity requirements plan
CYCROL	Bill of Resources Load
CYRRCP	Report CRP rough cut capacity plan
MRCRLF	Perform periodic tasks, such as relief of MPS





CHAPTER

# 3

## Detailed Design

**T**his chapter presents a detailed design for implementing Oracle Capacity. 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 Capacity that enables you to:

- Convert existing application data
- Integrate your Capacity 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 Capacity 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 Capacity 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 Capacity 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 Capacity 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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

### Standard Who Columns

---

Most Oracle Capacity 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:

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



<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 Capacity 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.

---

### Columns Reserved for Country-Specific Localizations

---

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

---

## Indexes

If an Oracle Capacity 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 Capacity.

---

## Sequences

Oracle Capacity 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 Capacity 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.

## 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# 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\_CALENDAR\_DATES

BOM\_CALENDAR\_DATES stores data compiled by the workday calendar for the base calendar. This table stores every date between the calendar start date and calendar end date for the given calendar using a specified exception set.

The workday calendar program sequences each work day for the calendar, starting with 1. Non-working days have NULL values for SEQ\_NUM. PRIOR\_SEQ\_NUM and NEXT\_SEQ\_NUM point to the previous and next workdays. For rows that represent workdays, prior equals next. For non-working days prior points to previous workday and next points to next workday.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDARS	CALENDAR_CODE	CALENDAR_CODE
BOM_EXCEPTION_SETS	EXCEPTION_SET_ID	EXCEPTION_SET_ID

### Column Descriptions

Name	Null?	Type	Description
CALENDAR_CODE (PK)	NOT NULL	VARCHAR2(10)	Workday calendar identifier
EXCEPTION_SET_ID (PK)	NOT NULL	NUMBER	Exception set unique identifier
CALENDAR_DATE (PK)	NOT NULL	DATE	Calendar date
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
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who Column
SEQ_NUM	NULL	NUMBER	Sequence number (for working days only)
NEXT_SEQ_NUM	NOT NULL	NUMBER	Next sequence number
PRIOR_SEQ_NUM	NOT NULL	NUMBER	Prior sequence number
NEXT_DATE	NOT NULL	DATE	Date corresponding to next sequence number
PRIOR_DATE	NOT NULL	DATE	Date corresponding to prior sequence 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
BOM_CALENDAR_DATES_N1	NOT UNIQUE	1	NEXT_DATE
		2	CALENDAR_CODE
		3	EXCEPTION_SET_ID
BOM_CALENDAR_DATES_N2	NOT UNIQUE	1	PRIOR_DATE
		2	CALENDAR_CODE
		3	EXCEPTION_SET_ID
BOM_CALENDAR_DATES_N3	NOT UNIQUE	1	SEQ_NUM
		2	CALENDAR_DATE
		3	CALENDAR_CODE
		4	EXCEPTION_SET_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
BOM_CALENDAR_DATES_U1	UNIQUE	1	CALENDAR_DATE
		2	CALENDAR_CODE
		3	EXCEPTION_SET_ID



## BOM\_CALENDAR\_SHIFTS

BOM\_CALENDAR\_SHIFTS stores the shift information that you define for a calendar (CALENDAR\_CODE). You define each shift (SHIFT\_NUM), its description (DESCRIPTION), and shift workday pattern (DAYS ON and DAYS OFF). A calendar can have multiple shifts, each having its own workday pattern and exception dates. Each shift also has its own shift times. The workday calendar program generates a shift calendar for every shift you define.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALEDARS	CALENDAR_CODE	CALENDAR_CODE

### Column Descriptions

Name	Null?	Type	Description
CALENDAR_CODE (PK)	NOT NULL	VARCHAR2(10)	Workday calendar identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift number
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who Column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who Column
LAST_UPDATE_LOGIN		NUMBER	Standard Who Column
CREATION_DATE	NOT NULL	DATE	Standard Who Column
CREATED_BY	NOT NULL	NUMBER	Standard Who Column
DAYS_ON		NUMBER	Number of consecutive working days
DAYS_OFF		NUMBER	Number of consecutive non-working days
DESCRIPTION		VARCHAR2(240)	Description
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	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_CALENDAR_SHIFTS_U1	UNIQUE	1	CALENDAR_CODE
		2	SHIFT_NUM

## BOM\_DEPARTMENTS

BOM\_DEPARTMENTS stores department information. You cannot use the department in an operation after its DISABLE\_DATE. DEPARTMENT\_ID uniquely identifies each row. You can assign a delivery location for each department if you use outside processing resources.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENT_CLASSES	DEPARTMENT_CLASS_CODE	DEPARTMENT_CLASS_CODE
HR_LOCATIONS_ALL	LOCATION_ID	LOCATION_ID
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department unique identifier
DEPARTMENT_CODE	NOT NULL	VARCHAR2(10)	Department code
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
DESCRIPTION	NULL	VARCHAR2(240)	Description
DISABLE_DATE	NULL	DATE	Disable date
DEPARTMENT_CLASS_CODE	NULL	VARCHAR2(10)	Department class code
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
LOCATION_ID	NULL	NUMBER	Location identifier
PA_EXPENDITURE_ORG_ID	NULL	NUMBER	Organization identifier for the expenditure organization

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_DEPARTMENTS_U1	UNIQUE	1	DEPARTMENT_ID
BOM_DEPARTMENTS_U2	UNIQUE	1	ORGANIZATION_ID
		2	DEPARTMENT_CODE

Sequences

Sequence	Derived Column
BOM_DEPARTMENTS_S	DEPARTMENT_ID

## BOM\_DEPARTMENT\_RESOURCES

BOM\_DEPARTMENT\_RESOURCES stores information about resources that you assign to a department. You then use these resources on routing operations. You can define multiple resources for a department.

SHARE\_CAPACITY\_FLAG determines if the current department shares its capacity with other departments. SHARE\_FROM\_DEPT\_ID indicates the department which shares the capacity shares of a resource with your department.

You can use RESOURCE\_GROUP\_NAME to group resource assignments to departments. Oracle Capacity uses this information when performing resource rollups.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_DEPARTMENT_RESOURCES	DEPARTMENT_ID	SHARE_FROM_DEPT_ID
BOM_RESOURCES	RESOURCE_ID	RESOURCE_ID
MRP_PLANNING_EXCEPTION_SETS	EXCEPTION_SET_NAME ORGANIZATION_ID	EXCEPTION_SET_NAME ORGANIZATION_ID
MTL_ATP_RULES	RULE_ID	ATP_RULE_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
AVAILABLE_24_HOURS_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CTP_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
SHARE_CAPACITY_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department unique identifier
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource 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
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
SHARE_CAPACITY_FLAG	NOT NULL	NUMBER	Allow sharing of capacity
SHARE_FROM_DEPT_ID	NULL	NUMBER	Share capacity from department identifier
CAPACITY_UNITS	NULL	NUMBER	Resource capacity
RESOURCE_GROUP_NAME	NULL	VARCHAR2(30)	Resource use category

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# Column Descriptions (Continued)

Name	Null?	Type	Description
AVAILABLE_24_HOURS_FLAG	NOT NULL	NUMBER	Resource is available 24 hours or by shifts
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
CTP_FLAG	NULL	NUMBER	Flag indicating capacity must be checked when resource is ordered
EXCEPTION_SET_NAME	NULL	VARCHAR2(10)	Name of the exception set
ATP_RULE_ID	NULL	NUMBER	Identifier of the available to promise rule used
UTILIZATION	NULL	NUMBER	Resource Utilization
EFFICIENCY	NULL	NUMBER	Resource Efficiency

## Indexes

Index Name	Index Type	Sequence	Column Name
BOM_DEPARTMENT_RESOURCES_U1	UNIQUE	1	DEPARTMENT_ID
		2	RESOURCE_ID

# 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 lead times. 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
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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# *Foreign Keys (Continued)*

Primary Key Table	Primary Key Column	Foreign Key Column
MTL_SECONDARY_INVENTORIES	SECONDARY_INVENTORY_NAME	SUPPLY_SUBINVENTORY
MTL_SECONDARY_LOCATORS	SECONDARY_LOCATOR	SUPPLY_LOCATOR_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	COMPONENT_ITEM_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
REQUIRED_TO_SHIP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
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
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive flexfield segment

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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)

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# Column Descriptions (Continued)

Name	Null?	Type	Description
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

## 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
CFM_ROUTING_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

*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\_RESOURCES

BOM\_OPERATION\_RESOURCES stores information about resources that you require to complete operations on routings. You may assign multiple resources or assign the same resource multiple times at any operation.

The manufacturing lead time process calculates RESOURCE\_OFFSET\_PERCENT. You may override the value in the Define Routing window. CRP will use this value to calculate resource availability. If you re-run the manufacturing lead time process, it will recalculate and update RESOURCE\_OFFSET\_PERCENT for scheduling.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENT_RESOURCES	RESOURCE_ID	RESOURCE_ID
BOM_OPERATION_SEQUENCES	OPERATION_SEQUENCE_ID	OPERATION_SEQUENCE_ID
CST_ACTIVITIES	ACTIVITY_ID	ACTIVITY_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
AUTOCHARGE_TYPE	BOM_AUTOCHARGE_TYPE	MFG_LOOKUPS
	1	WIP move
	2	Manual
	3	PO receipt
	4	PO move
BASIS_TYPE	CST_BASIS	MFG_LOOKUPS
	1	Item
	2	Lot
	3	Resource Units
	4	Resource Value
	5	Total Value
SCHEDULE_FLAG	BOM_RESOURCE_SCHEDULE_TYPE	Activity
		MFG_LOOKUPS
		Yes
		No
		Prior
STANDARD_RATE_FLAG	SYS_YES_NO	Next
		MFG_LOOKUPS
		Yes
		No

### Column Descriptions

Name	Null?	Type	Description
OPERATION_SEQUENCE_ID (PK)	NOT NULL	NUMBER	Routing operation unique identifier
RESOURCE_SEQ_NUM (PK)	NOT NULL	NUMBER	Resource sequence number
RESOURCE_ID	NOT NULL	NUMBER	Resource unique identifier
ACTIVITY_ID	NULL	NUMBER	Activity identifier

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# Column Descriptions (Continued)

Name	Null?	Type	Description
STANDARD_RATE_FLAG	NOT NULL	NUMBER	Use standard rate for shopfloor transactions
ASSIGNED_UNITS	NOT NULL	NUMBER	Resource units assigned
USAGE_RATE_OR_AMOUNT	NOT NULL	NUMBER	Resource usage rate
USAGE_RATE_OR_AMOUNT_INVERSE	NOT NULL	NUMBER	Resource usage rate inverse
BASIS_TYPE	NOT NULL	NUMBER	Basis type identifier
SCHEDULE_FLAG	NOT NULL	NUMBER	Schedule the resource
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
RESOURCE_OFFSET_PERCENT	NULL	NUMBER	Resource offset percent from the start of the routing
AUTOCHARGE_TYPE	NOT NULL	NUMBER	Autocharge type for shopfloor moves
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_OPERATION_RESOURCES_N1	NOT UNIQUE	1	RESOURCE_ID
BOM_OPERATION_RESOURCES_U2	UNIQUE	1	OPERATION_SEQUENCE_ID
		2	RESOURCE_SEQ_NUM

Oracle Proprietary, Confidential Information--Use Restricted by Contract



## 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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		NUMBER	Standard Who column
STANDARD_OPERATION_ID		NUMBER	Standard operation unique identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department unique identifier
OPERATION_LEAD_TIME_PERCENT		NUMBER	Indicates the amount of overlap its lead time has with the parent's lead time
MINIMUM_TRANSFER_QUANTITY		NUMBER	Minimum operation transfer quantity
COUNT_POINT_TYPE	NOT NULL	NUMBER	Count point
OPERATION_DESCRIPTION		VARCHAR2(240)	Description of operation
EFFECTIVITY_DATE	NOT NULL	DATE	Date operation is effective
DISABLE_DATE		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		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	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column
OPERATION_TYPE		NUMBER	Process, Line Operation or Event
REFERENCE_FLAG		NUMBER	If the Standard Operation is referenced or copied then the operation can not be updated.
PROCESS_OP_SEQ_ID		NUMBER	Operation sequence identifier of parent process (applies only to events)

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# 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 beginning 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

## 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

## Sequences

Sequence	Derived Column
BOM_OPERATION_SEQUENCES_S	OPERATION_SEQUENCE_ID

# BOM\_ORG\_CAL\_DATES\_VIEW

This view allows you to retrieve data from BOM\_CALENDAR\_DATES without knowing the exception set or calendar name for an organization. The view joins with MTL\_PARAMETERS and determines the calendar and exception set to which the organization points. Further, joining to BOM\_CALENDAR\_DATES gets the calendar dates, sequence number, prior sequence num , prior date, next sequence number, and next date.

View Definition

```
CREATE VIEW BOM_ORG_CAL_DATES_VIEW
  FROM BOM_CALENDAR_DATES BOM
      , MTL_PARAMETERS MTL
  where mtl.calendar_code = bom.calendar_code
  and mtl.calendar_exception_set_id = bom.exception_set_id
```

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDAR_DATES	CALENDAR_DATE	CALENDAR_DATE
	SEQ_NUM	SEQ_NUM
	PRIOR_SEQ_NUM	PRIOR_SEQ_NUM
	PRIOR_DATE	PRIOR_DATE
	NEXT_SEQ_NUM	NEXT_SEQ_NUM
	NEXT_DATE	NEXT_DATE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
CALENDAR_DATE (PK)	NOT NULL	DATE	Calendar date
SEQ_NUM	NULL	NUMBER	Sequence number for working days
PRIOR_SEQ_NUM	NULL	NUMBER	Prior sequence number
PRIOR_DATE	NULL	DATE	Calendar date for prior sequence number
NEXT_SEQ_NUM	NULL	NUMBER	Next sequence number
NEXT_DATE	NULL	DATE	Calendar date for next sequence number

# BOM\_ORG\_CAL\_PERIODS\_VIEW

You can view period information from this view without knowing the calendar name and the exception set for an organization. This view joins with MTL\_PARAMETERS to find which calendar and exception set an organization is pointing to. Further, joining to BOM\_PERIOD\_START\_DATES gets all the information on the period start dates, sequence number, period name, next date and prior date.

View Definition

```
CREATE VIEW BOM_ORG_CAL_PERIODS_VIEW
  FROM BOM_PERIOD_START_DATES BOM
      , MTL_PARAMETERS MTL
  where mtl.calendar_code = bom.calendar_code
  and   mtl.calendar_exception_set_id = bom.exception_set_id
```

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_PERIOD_START_DATES	PERIOD_START_DATE	PERIOD_START_DATE
	PERIOD_SEQUENCE_NUM	PERIOD_SEQUENCE_NUM
	PERIOD_NAME	PERIOD_NAME
	NEXT_DATE	NEXT_DATE
	PRIOR_DATE	PRIOR_DATE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
PERIOD_START_DATE (PK)	NOT NULL	DATE	Period start date
PERIOD_SEQUENCE_NUM	NOT NULL	NUMBER	Period sequence number
PERIOD_NAME	NOT NULL	VARCHAR2(3)	Period name
NEXT_DATE	NOT NULL	DATE	Next date
PRIOR_DATE	NOT NULL	DATE	Prior date

# BOM\_ORG\_CAL\_WEEKS\_VIEW

This view lets you see data from BOM\_CAL\_WEEK\_START\_DATES without knowing the calendar and the exception set for any given organization. This view joins with MTL\_PARAMETERS and finds the calendar name and exception set an organization is pointing to. Further, joining to BOM\_CAL\_WEEK\_START\_DATES gives the week start date, sequence number, next date, and prior date.

View Definition

```
CREATE VIEW BOM_ORG_CAL_WEEKS_VIEW
  FROM BOM_CAL_WEEK_START_DATES BOM
      , MTL_PARAMETERS MTL
  where mtl.calendar_code = bom.calendar_code
  and   mtl.calendar_exception_set_id = bom.exception_set_id
```

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CAL_WEEK_START_DATES	WEEK_START_DATE	WEEK_START_DATE
	SEQ_NUM	SEQ_NUM
	NEXT_DATE	NEXT_DATE
	PRIOR_DATE	PRIOR_DATE
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID

Column Descriptions

Name	Null?	Type	Description
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
WEEK_START_DATE (PK)	NOT NULL	DATE	Week start date
SEQ_NUM	NOT NULL	NUMBER	Sequence number
NEXT_DATE	NOT NULL	DATE	Next date
PRIOR_DATE	NOT NULL	DATE	Prior date

## BOM\_RESOURCES

BOM\_RESOURCES stores information about resources, overheads, material overheads, and material sub-elements. COST\_ELEMENT\_ID determines the type of the resource. Resources are additionally classified as either material resources or outside processing resources

If the resource represents a currency unit, UNIT\_OF\_MEASURE stores the currency code associated with the set of books the organization points to.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CST_ACTIVITIES	ACTIVITY_ID	DEFAULT_ACTIVITY_ID
CST_COST_ELEMENTS	COST_ELEMENT_ID	COST_ELEMENT_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	ABSORPTION_ACCOUNT
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	RATE_VARIANCE_ACCOUNT
MTL_PARAMETERS	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	PURCHASE_ITEM_ID
MTL_UNITS_OF_MEASURE_TL	UOM_CODE	UNIT_OF_MEASURE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ALLOW_COSTS_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
AUTOCHARGE_TYPE	BOM_AUTOCHARGE_TYPE	MFG_LOOKUPS
	1	WIP move
	2	Manual
	3	PO receipt
	4	PO move
COST_CODE_TYPE	CST_COST_CODE_TYPE	MFG_LOOKUPS
	1	Material
	2	Material Overhead
	3	Resource
	4	Outside Processing
	5	Overhead
DEFAULT_BASIS_TYPE	CST_BASIS	MFG_LOOKUPS
	1	Item
	2	Lot
	3	Resource Units
	4	Resource Value
	5	Total Value
	6	Activity
FUNCTIONAL_CURRENCY_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
RESOURCE_TYPE	BOM_RESOURCE_TYPE	MFG_LOOKUPS
	1	Machine
	2	Person
	3	Space

Oracle Proprietary, Confidential Information--Use Restricted by Contract

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	4	Miscellaneous
	5	Amount
STANDARD_RATE_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

Column Descriptions

Name	Null?	Type	Description
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource unique identifier
RESOURCE_CODE	NOT NULL	VARCHAR2(10)	Resource code
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
DESCRIPTION	NULL	VARCHAR2(240)	Description
DISABLE_DATE	NULL	DATE	Disable date
COST_ELEMENT_ID	NOT NULL	NUMBER	Cost element identifier
PURCHASE_ITEM_ID	NULL	NUMBER	Purchase item identifier
COST_CODE_TYPE	NOT NULL	NUMBER	Cost code type
FUNCTIONAL_CURRENCY_FLAG	NOT NULL	NUMBER	Unit of measure is functional currency
UNIT_OF_MEASURE	NULL	VARCHAR2(3)	Unit of measure
DEFAULT_ACTIVITY_ID	NULL	NUMBER	Default activity identifier
RESOURCE_TYPE	NULL	NUMBER	Resource type
AUTOCHARGE_TYPE	NULL	NUMBER	Autocharge for shopfloor transaction
STANDARD_RATE_FLAG	NULL	NUMBER	Use standard rate for shopfloor transaction
DEFAULT_BASIS_TYPE	NULL	NUMBER	Default basis
ABSORPTION_ACCOUNT	NULL	NUMBER	Absorption account
ALLOW_COSTS_FLAG	NOT NULL	NUMBER	Allow costs to be defined
RATE_VARIANCE_ACCOUNT	NULL	NUMBER	Rate variance account
EXPENDITURE_TYPE	NULL	VARCHAR2(30)	Expenditure type
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

Oracle Proprietary, Confidential Information--Use Restricted by Contract



*Column Descriptions (Continued)*

<u>Name</u>	<u>Null?</u>	<u>Type</u>	<u>Description</u>
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

*Indexes*

<u>Index Name</u>	<u>Index Type</u>	<u>Sequence</u>	<u>Column Name</u>
BOM_RESOURCES_U1	UNIQUE	1	ORGANIZATION_ID
		2	RESOURCE_CODE
		3	COST_CODE_TYPE
BOM_RESOURCES_U2	UNIQUE	1	RESOURCE_ID

*Sequences*

<u>Sequence</u>	<u>Derived Column</u>
BOM_RESOURCES_S	RESOURCE_ID

## BOM\_RESOURCE\_CHANGES

BOM\_RESOURCE\_CHANGES stores information about capacity modifications for a resource on a shift in a department. This table is a child of BOM\_RESOURCE\_SHIFTS. You can define multiple resource changes for a shift.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_RESOURCE_SHIFTS	DEPARTMENT_ID RESOURCE_ID SHIFT_NUM	DEPARTMENT_ID RESOURCE_ID SHIFT_NUM
CRP_SIMULATION_SETS	SIMULATION_SET	SIMULATION_SET

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
ACTION_TYPE	BOM_ACTION	MFG_LOOKUPS
	1	Delete work day
	2	Modify capacity
	3	Add work day

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department unique identifier
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource unique identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift 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
FROM_DATE (PK)	NOT NULL	DATE	Capacity exception from date
TO_DATE (PK)	NULL	DATE	Capacity exception to date
FROM_TIME (PK)	NULL	NUMBER	Capacity exception from time
TO_TIME (PK)	NULL	NUMBER	Capacity exception to time
CAPACITY_CHANGE	NULL	NUMBER	Capacity change
SIMULATION_SET (PK)	NOT NULL	VARCHAR2(10)	Simulation set identifier
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
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
ACTION_TYPE (PK)	NOT NULL	NUMBER	Type of capacity modification

Indexes

Index Name	Index Type	Sequence	Column Name
BOM_RESOURCE_CHANGES_U1	UNIQUE	1	DEPARTMENT_ID
		2	RESOURCE_ID
		3	SHIFT_NUM
		4	ACTION_TYPE
		5	FROM_DATE
		6	TO_DATE
		7	FROM_TIME
		8	TO_TIME
		9	SIMULATION_SET

## BOM\_RESOURCE\_SHIFTS

BOM\_RESOURCE\_SHIFTS stores information about shifts that you assign to resources. This table is a child of BOM\_DEPARTMENT\_RESOURCES. You can assign multiple shifts to a resource in a department if the resource is not a 24 hour resource.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDAR_SHIFTS	SHIFT_NUM	SHIFT_NUM
BOM_DEPARTMENT_RESOURCES	DEPARTMENT_ID RESOURCE_ID	DEPARTMENT_ID RESOURCE_ID

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department unique identifier
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource unique identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift 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
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_RESOURCE_SHIFTS_U1	UNIQUE	1	DEPARTMENT_ID
		2	RESOURCE_ID
		3	SHIFT_NUM

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## BOM\_SHIFT\_DATES

BOM\_SHIFT\_DATES stores information about compiled data for shift calendars. This table stores every date between the calendar start date and calendar end date for a calendar name and exception set. The workday calendar program assigns a sequence number starting at 1, to each date. The program generates the prior sequence number and next sequence number for every calendar date that is stored in this table. This table stores values for sequence number, prior sequence number and next sequence number for a non-working day. The values for these columns are equal to a working day. The workday calendar program generates a shift calendar for each shift you define for your calendar.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDAR_SHIFTS	CALENDAR_CODE SHIFT_NUM	CALENDAR_CODE SHIFT_NUM
BOM_EXCEPTION_SETS	EXCEPTION_SET_ID	EXCEPTION_SET_ID

### Column Descriptions

Name	Null?	Type	Description
CALENDAR_CODE (PK)	NOT NULL	VARCHAR2(10)	Workday calendar identifier
EXCEPTION_SET_ID (PK)	NOT NULL	NUMBER	Exception set unique identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift number
SHIFT_DATE (PK)	NOT NULL	DATE	Calendar date
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
SEQ_NUM		NUMBER	Sequence number for shift date (only for working dates)
NEXT_SEQ_NUM	NOT NULL	NUMBER	Next sequence number for calendar date (working day)
PRIOR_SEQ_NUM	NOT NULL	NUMBER	Prior sequence number for calendar date (working day)
NEXT_DATE	NOT NULL	DATE	Next date corresponding to next sequence number
PRIOR_DATE	NOT NULL	DATE	Prior date corresponding to prior sequence number
REQUEST_ID		NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
BOM_SHIFT_DATES_U1	UNIQUE	1	CALENDAR_CODE
		2	EXCEPTION_SET_ID
		3	SHIFT_DATE
		4	SHIFT_NUM

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## BOM\_SHIFT\_TIMES

BOM\_SHIFT\_TIMES stores information about shift hours for your shifts. You cannot have overlapping shift hours. You can define shifts that go beyond midnight (24:00).

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDAR_SHIFTS	CALENDAR_CODE SHIFT_NUM	CALENDAR_CODE SHIFT_NUM

### Column Descriptions

Name	Null?	Type	Description
CALENDAR_CODE (PK)	NOT NULL	VARCHAR2(10)	Workday calendar identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift number
FROM_TIME (PK)	NOT NULL	NUMBER	Shift start time
TO_TIME (PK)	NOT NULL	NUMBER	Shift end time
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
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

### Indexes

Index Name	Index Type	Sequence	Column Name
BOM_SHIFT_TIMES_U1	UNIQUE	1	CALENDAR_CODE
		2	SHIFT_NUM
		3	FROM_TIME
		4	TO_TIME

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## CRP\_AVAILABLE\_RESOURCES

CRP\_AVAILABLE\_RESOURCES stores resource availability information for all departments/resources and lines used in a plan. Resource availability is stored in this table for different date ranges in the planning horizon.

RESOURCE\_START\_DATE and RESOURCE\_END\_DATE contain the date ranges for which the resource availability information is applicable.

RESOURCE\_HOURS stores the daily resource availability for routing based resources. MAX\_RATE column contains the maximum rate for lines. The total daily availability is the product of RESOURCE\_UNITS and RESOURCE\_HOURS for routing based resources. For lines, the total daily availability is calculated as the MAX\_RATE multiplied by the RESOURCE\_UNITS.

CRP\_AVAILABLE\_RESOURCES is populated by the snapshot and is used by the planner. Data in this table can be viewed in the Planner's Workbench.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CRP_PLANNED_RESOURCES	COMPILE_DESIGNATOR ORGANIZATION_ID DEPARTMENT_ID RESOURCE_ID LINE_ID	COMPILE_DESIGNATOR ORGANIZATION_ID DEPARTMENT_ID RESOURCE_ID LINE_ID

### Column Descriptions

Name	Null?	Type	Description
COMPILE_DESIGNATOR	NOT NULL	VARCHAR2(20)	MPS, MRP or DRP plan identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
LINE_ID	NOT NULL	NUMBER	Line identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department identifier
RESOURCE_ID	NOT NULL	NUMBER	Resource identifier
RESOURCE_HOURS		NUMBER	Daily availability of resource in hours
MAX_RATE		NUMBER	Hourly maximum rate for line
RESOURCE_UNITS		NUMBER	Number of units of the resource
STATUS		NUMBER	Attribute for online replanning
APPLIED		NUMBER	Attribute for online replanning
RESOURCE_START_DATE	NOT NULL	DATE	Start date of resource availability
RESOURCE_END_DATE		DATE	End date of resource availability
UPDATED	NOT NULL	NUMBER	Flag to determine whether add workday modification was applied
ORIGINAL_CAPACITY		NUMBER	Not currently used
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# 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
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

## Indexes

Index Name	Index Type	Sequence	Column Name
CRP_AVAILABLE_RESOURCES_N1	NOT UNIQUE	1	COMPILE_DESIGNATOR
		4	DEPARTMENT_ID
		5	RESOURCE_ID
CRP_AVAILABLE_RESOURCES_N2	NOT UNIQUE	2	COMPILE_DESIGNATOR
		6	LINE_ID
CRP_AVAILABLE_RESOURCES_N3	NOT UNIQUE	2	APPLIED
		4	COMPILE_DESIGNATOR
		6	ORGANIZATION_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract



## CRP\_BILLS\_OF\_RESOURCES

CRP\_BILLS\_OF\_RESOURCES stores the bills of resource sets. This table is populated by the Define Bill of Resource Sets form.

ROLLUP\_START\_DATE and ROLLUP\_COMPLETION\_DATE are updated by the CRP Bill of Resources Load concurrent program and store the start and completion dates.

### Column Descriptions

Name	Null?	Type	Description
BILL_OF_RESOURCES (PK)	NOT NULL	VARCHAR2(10)	Bill of resource set 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)	Bill of resource set description
DISABLE_DATE	NULL	DATE	Bill of resource set disable date
ROLLUP_START_DATE	NULL	DATE	Bill of resources load start date
ROLLUP_COMPLETION_DATE	NULL	DATE	Bill of resources load completion 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
CRP_BILLS_OF_RESOURCES_U1	UNIQUE	1	BILL_OF_RESOURCES
		2	ORGANIZATION_ID

## CRP\_BILL\_OF\_RESOURCE\_ITEMS

CRP\_BILL\_OF\_RESOURCE\_ITEMS stores a row for each item included in a bill of resource set. Items are assigned to a bill of resource set in the Enter Bill of Resources form and by the Bill of Resources Load concurrent program.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CRP_BILLS_OF_RESOURCES	BILL_OF_RESOURCES	BILL_OF_RESOURCES
	ORGANIZATION_ID	ORGANIZATION_ID
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID

### Column Descriptions

Name	Null?	Type	Description
INVENTORY_ITEM_ID (PK)	NOT NULL	NUMBER	Inventory item identifier
BILL_OF_RESOURCES (PK)	NOT NULL	VARCHAR2(10)	Bill of resource set 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
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

### Indexes

Index Name	Index Type	Sequence	Column Name
CRP_BILL_OF_RESOURCE_ITEMS_U1	UNIQUE	1	INVENTORY_ITEM_ID
		2	BILL_OF_RESOURCES
		3	ORGANIZATION_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## CRP\_CAL\_SHIFT\_DELTA

CRP\_CAL\_SHIFT\_DELTA stores the deltas between the organization calendar stored in BOM\_CALENDAR\_DATES and the shift calendars stored in BOM\_SHIFT\_DATES. It stores a row for each workday in the organization calendar which is not a workday in the shift calendars and a row for each workday in the shift calendar which is not a workday in the organization calendar.

DELTA\_CODE is set to 1 if the workday is defined as a workday in the organization calendar but not in the shifts calendar. It is set to 2 if the workday is defined as a workday in the shifts calendar but not in the organization calendar.

This table is be populated by the Oracle Bills of Material Build Workday Calendar concurrent program. The RCCP and CRP inquiries and reports use this table to calculate the available hours of department-resources.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_CALENDAR_DATES	CALENDAR_CODE	CALENDAR_CODE
	EXCEPTION_SET_ID	EXCEPTION_SET_ID
	CALENDAR_DATE	CALENDAR_DATE
BOM_SHIFT_DATES	CALENDAR_CODE	CALENDAR_CODE
	EXCEPTION_SET_ID	EXCEPTION_SET_ID
	SHIFT_NUM	SHIFT_NUM
	SHIFT_DATE	CALENDAR_DATE

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
DELTA_CODE	CRP_CAL_SHIFT_DELTA	MFG_LOOKUPS
	1	Organization workday
	2	Shift workday

### Column Descriptions

Name	Null?	Type	Description
CALENDAR_CODE (PK)	NOT NULL	VARCHAR2(10)	Calendar identifier
EXCEPTION_SET_ID (PK)	NOT NULL	NUMBER	Exception set identifier
SHIFT_NUM (PK)	NOT NULL	NUMBER	Shift identifier
CALENDAR_DATE (PK)	NOT NULL	DATE	Shift workday date or organization calendar workday 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	NUL	NUMBER	Standard Who column
DELTA_CODE	NOT NULL	NUMBER	Delta code
REQUEST_ID	NUL	NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID	NUL	NUMBER	Concurrent Who column
PROGRAM_ID	NUL	NUMBER	Concurrent Who column

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CRP_CAL_SHIFT_DELTA_U1	UNIQUE	1	CALENDAR_CODE
		2	EXCEPTION_SET_ID
		3	SHIFT_NUM
		4	CALENDAR_DATE

## CRP\_CAPACITY\_PLANS

CRP\_CAPACITY\_PLANS is a table used by the form module CRPFCVCP for displaying bucketed information on resource availability and requirement. It is populated at run time by user exits.

Each row stores a type of information about a particular resource. There are 15 different types of information for resources and 9 different types for assembly lines. For a given resource, there will be 15 rows of information in the table, each with a different TYPE. Similarly, for a given LINE, there will be 9 rows of information in the table.

All of the information is bucketed into 36 weekly buckets. This bucketed information is stored in the columns PERIOD1 through PERIOD36.

### Column Descriptions

Name	Null?	Type	Description
QUERY_ID (PK)	NOT NULL	NUMBER	Query 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	NULL	NUMBER	Organization identifier
DEPARTMENT_ID	NULL	NUMBER	Department identifier
RESOURCE_ID	NULL	NUMBER	Resource identifier
LINE_ID	NULL	NUMBER	Line Identifier
TYPE_ID	NULL	NUMBER	Type Identifier
TYPE_TEXT	NULL	VARCHAR2(50)	Horizontal bucket attribute type
PERIOD1	NULL	NUMBER	Generic number column
PERIOD2	NULL	NUMBER	Generic number column
PERIOD3	NULL	NUMBER	Generic number column
PERIOD4	NULL	NUMBER	Generic number column
PERIOD5	NULL	NUMBER	Generic number column
PERIOD6	NULL	NUMBER	Generic number column
PERIOD7	NULL	NUMBER	Generic number column
PERIOD8	NULL	NUMBER	Generic number column
PERIOD9	NULL	NUMBER	Generic number column
PERIOD10	NULL	NUMBER	Generic number column
PERIOD11	NULL	NUMBER	Generic number column
PERIOD12	NULL	NUMBER	Generic number column
PERIOD13	NULL	NUMBER	Generic number column
PERIOD14	NULL	NUMBER	Generic number column
PERIOD15	NULL	NUMBER	Generic number column
PERIOD16	NULL	NUMBER	Generic number column
PERIOD17	NULL	NUMBER	Generic number column
PERIOD18	NULL	NUMBER	Generic number column
PERIOD19	NULL	NUMBER	Generic number column
PERIOD20	NULL	NUMBER	Generic number column
PERIOD21	NULL	NUMBER	Generic number column
PERIOD22	NULL	NUMBER	Generic number column

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
PERIOD23	NULL	NUMBER	Generic number column
PERIOD24	NULL	NUMBER	Generic number column
PERIOD25	NULL	NUMBER	Generic number column
PERIOD26	NULL	NUMBER	Generic number column
PERIOD27	NULL	NUMBER	Generic number column
PERIOD28	NULL	NUMBER	Generic number column
PERIOD29	NULL	NUMBER	Generic number column
PERIOD30	NULL	NUMBER	Generic number column
PERIOD31	NULL	NUMBER	Generic number column
PERIOD32	NULL	NUMBER	Generic number column
PERIOD33	NULL	NUMBER	Generic number column
PERIOD34	NULL	NUMBER	Generic number column
PERIOD35	NULL	NUMBER	Generic number column
PERIOD36	NULL	NUMBER	Generic number column
DEPARTMENT_CLASS	NULL	VARCHAR2(50)	Department Class
RESOURCE_TYPE	NULL	VARCHAR2(80)	Resource type
DEPARTMENT_NAME	NULL	VARCHAR2(50)	Department name
RESOURCE_NAME	NULL	VARCHAR2(50)	Resource name
RESOURCE_GROUP_NAME	NULL	VARCHAR2(50)	Resource Group Name
LINE_NAME	NULL	VARCHAR2(50)	Line name
BILL_OF_RESOURCE	NULL	VARCHAR2(50)	Bill of resource
SIMULATION_SET	NULL	VARCHAR2(50)	Simulation Set
DESIGNATOR	NULL	VARCHAR2(50)	Plan or schedule name

Indexes

Index Name	Index Type	Sequence	Column Name
CRP_CAPACITY_PLANS_N1	NOT UNIQUE	1	QUERY_ID
		2	ORGANIZATION_ID
		3	DEPARTMENT_ID
		4	RESOURCE_ID
CRP_CAPACITY_PLANS_N2	NOT UNIQUE	1	QUERY_ID
		2	ORGANIZATION_ID
		3	LINE_ID

## CRP\_DISPLAY\_OPTIONS

CRP\_DISPLAY\_OPTIONS stores the user interface configuration of the Horizontal window in the RCCP and CRP Inquiry form. A row is stored for each user which specifies display details such as field width, window size, and display factors for the Horizontal window.

Columns AVAILABLE\_RATE to REPETITIVE\_SCHEDULES are attribute display indicators that indicates whether the corresponding attribute will be displayed in the form. For example, if REQUIRED\_RATE is set to 'Y', then the required rate for assembly lines will be displayed in the form.

User can change the configuration through the Preferences window in CRPFCVCP form.

### Column Descriptions

Name	Null?	Type	Description
USER_ID (PK)	NOT NULL	NUMBER	User Identifier
DEFAULT_FLAG	NULL	NUMBER	Default setup indicator
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
SUMMARY_FIELD_WIDTH	NULL	NUMBER	Field width
SUMMARY_DISPLAY_FACTOR	NULL	NUMBER	Display factor
SUMMARY_WINDOW_SIZE	NULL	NUMBER	Window size
SUMMARY_WINDOW_WIDTH	NULL	NUMBER	Window width
SUMMARY_DECIMAL_PLACES	NULL	NUMBER	Number of decimal places
AVAILABLE_RATE	NULL	VARCHAR2(1)	Attribute display indicator
REQUIRED_RATE	NULL	VARCHAR2(1)	Attribute display indicator
NET_AVAILABLE_RATE	NULL	VARCHAR2(1)	Attribute display indicator
CUM_AVAILABLE_RATE	NULL	VARCHAR2(1)	Attribute display indicator
RATE_UTILIZATION	NULL	VARCHAR2(1)	Attribute display indicator
CUM_RATE_UTILIZATION	NULL	VARCHAR2(1)	Attribute display indicator
DAILY_REQUIRED_RATE	NULL	VARCHAR2(1)	Attribute display indicator
DAILY_AVAILABLE_RATE	NULL	VARCHAR2(1)	Attribute display indicator
LINE_COST	NULL	VARCHAR2(1)	Attribute display indicator
HOURS_AVAILABLE	NULL	VARCHAR2(1)	Attribute display indicator
REQUIRED_HOURS	NULL	VARCHAR2(1)	Attribute display indicator
NET_HOURS_AVAILABLE	NULL	VARCHAR2(1)	Attribute display indicator
CUM_HOURS_AVAILABLE	NULL	VARCHAR2(1)	Attribute display indicator
ROUTING_UTILIZATION	NULL	VARCHAR2(1)	Attribute display indicator
CUM_ROUTING_UTILIZATION	NULL	VARCHAR2(1)	Attribute display indicator
HOURS_REQUIRED_PER_DAY	NULL	VARCHAR2(1)	Attribute display indicator
HOURS_AVAILABLE_PER_DAY	NULL	VARCHAR2(1)	Attribute display indicator
TOTAL_RESOURCE_COST	NULL	VARCHAR2(1)	Attribute display indicator
SUM_OF_CAPACITY_CHANGES	NULL	VARCHAR2(1)	Attribute display indicator
CUM_SUM_OF_CHANGES	NULL	VARCHAR2(1)	Attribute display indicator
PLANNED_ORDERS	NULL	VARCHAR2(1)	Attribute display indicator
NON_STANDARD_JOB_ORDERS	NULL	VARCHAR2(1)	Attribute display indicator
DISCRETE_JOBS	NULL	VARCHAR2(1)	Attribute display indicator

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
REPETITIVE_SCHEDULES	NULL	VARCHAR2(1)	Attribute display indicator

Indexes

Index Name	Index Type	Sequence	Column Name
CRP_DISPLAY_OPTIONS_N1	NOT UNIQUE	2	USER_ID



## CRP\_FORM\_QUERY

CRP\_FORM\_QUERY is a generic table used by forms for querying data populated by user-exits. Each row represents some information that the user needs displayed in a form. This table is populated by the user exit CAP\_PLAN, for the RCCP and CRP inquiries.

### Column Descriptions

Name	Null?	Type	Description
QUERY_ID (PK)	NOT NULL	NUMBER	Query 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
DATE1	NULL	DATE	Generic date column
DATE2	NULL	DATE	Generic date column
DATE3	NULL	DATE	Generic date column
DATE4	NULL	DATE	Generic date column
DATE5	NULL	DATE	Generic date column
DATE6	NULL	DATE	Generic date column
DATE7	NULL	DATE	Generic date column
DATE8	NULL	DATE	Generic date column
NUMBER1	NULL	NUMBER	Generic number column
NUMBER2	NULL	NUMBER	Generic number column
NUMBER3	NULL	NUMBER	Generic number column
NUMBER4	NULL	NUMBER	Generic number column
NUMBER5	NULL	NUMBER	Generic number column
NUMBER6	NULL	NUMBER	Generic number column
NUMBER7	NULL	NUMBER	Generic number column
NUMBER8	NULL	NUMBER	Generic number column
NUMBER9	NULL	NUMBER	Generic number column
NUMBER10	NULL	NUMBER	Generic number column
CHAR1	NULL	VARCHAR2(255)	Generic character column
CHAR2	NULL	VARCHAR2(255)	Generic character column
CHAR3	NULL	VARCHAR2(255)	Generic character column
CHAR4	NULL	VARCHAR2(255)	Generic character column
CHAR5	NULL	VARCHAR2(255)	Generic character column
CHAR6	NULL	VARCHAR2(255)	Generic character column
CHAR7	NULL	VARCHAR2(255)	Generic character column
CHAR8	NULL	VARCHAR2(255)	Generic character column
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
NUMBER11	NULL	NUMBER	Generic number column
NUMBER12	NULL	NUMBER	Generic number column
NUMBER13	NULL	NUMBER	Generic number column
NUMBER14	NULL	NUMBER	Generic number column
NUMBER15	NULL	NUMBER	Generic number column
NUMBER16	NULL	NUMBER	Generic number column
NUMBER17	NULL	NUMBER	Generic number column
NUMBER18	NULL	NUMBER	Generic number column
CHAR9	NULL	VARCHAR2(255)	Generic character column

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
CHAR10	NULL	VARCHAR2(255)	Generic character column

Indexes

Index Name	Index Type	Sequence	Column Name
CRP_FORM_QUERY_N1	NOT UNIQUE	1	QUERY_ID

Sequences

Sequence	Derived Column
CRP_FORM_QUERY_S	QUERY_ID

## CRP\_PLANNED\_RESOURCES

CRP\_PLANNED\_RESOURCES stores the list of resources planned by the planning process. CRP\_PLANNED\_RESOURCES stores resource information for both routing based departments/resources and rate based lines.

OWNING\_DEPARTMENT\_ID stores the department identifier of the owning department for shared resources.

RESOURCE\_SHORTAGE\_TYPE and RESOURCE\_EXCESS\_TYPE columns indicate the nature of time fences used in calculating resource exceptions in the memory based planner.

OVERUTILIZED\_PERCENT and UNDERUTILIZED\_PERCENT contain tolerances for flagging resource overutilization and underutilization exceptions in the memory based planner.

This table is populated by the Snapshot, and is used by the Planner. Data in the table can be viewed in the Planner's Workbench.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENT_RESOURCES	DEPARTMENT_ID RESOURCE_ID	DEPARTMENT_ID RESOURCE_ID
MRP_PLAN_ORGANIZATIONS	PLANNED_ORGANIZATION COMPILE_DESIGNATOR	ORGANIZATION_ID COMPILE_DESIGNATOR
WIP_LINES	LINE_ID	LINE_ID

### Column Descriptions

Name	Null?	Type	Description
COMPILE_DESIGNATOR	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
LINE_ID	NOT NULL	NUMBER	Line identifier
DEPARTMENT_ID	NOT NULL	NUMBER	Department identifier
RESOURCE_ID	NOT NULL	NUMBER	Resource identifier
OWNING_DEPARTMENT_ID	NOT NULL	NUMBER	Owning Department identifier for shared resource
RESOURCE_SHORTAGE_TYPE	NULL	NUMBER	Resource shortage type
RESOURCE_EXCESS_TYPE	NULL	NUMBER	Resource excess type
OVERUTILIZED_PERCENT	NULL	NUMBER	Overutilization Tolerance(%)
UNDERUTILIZED_PERCENT	NULL	NUMBER	Underutilization Tolerance(%)
MAX_UTILIZATION	NULL	NUMBER	Not currently used
MIN_UTILIZATION	NULL	NUMBER	Not currently used
UTILIZATION	NULL	NUMBER	Utilization of the planned resource
EFFICIENCY	NULL	NUMBER	Efficiency of the planned resource
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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

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

Indexes

Index Name	Index Type	Sequence	Column Name
CRP_PLANNED_RESOURCES_N1	NOT UNIQUE	1	COMPILE_DESIGNATOR
		4	DEPARTMENT_ID
		5	RESOURCE_ID
		7	ORGANIZATION_ID
CRP_PLANNED_RESOURCES_N2	NOT UNIQUE	2	COMPILE_DESIGNATOR
		6	LINE_ID
		8	ORGANIZATION_ID

## CRP\_RESOURCE\_HOURS

CRP\_RESOURCE\_HOURS stores a row for each resource or repetitive line required to build an assembly from its lowest level components. Each row also includes the department where the assembly is being built, the resource hours required, the usage of the components in the assembly, and the set back days from the due date of the assembly when the resource or the line is required.

RESOURCE\_DEPARTMENT\_HOURS is calculated by multiplying the usage rate or amount of the assembly by the conversion rate defined for that assembly.

SETBACK\_DAYS is the number of days from the due date of the assembly that the resource is needed.

ASSEMBLY\_USAGE is a resource hours multiplier derived from the usage of the component. Therefore the assembly usage for the resource required to make an assembly from its immediate components is one.

SOURCE\_ITEM\_ID is the component in the assembly that is the source of the repetitive or routing-based requirements.

This table is populated by the Bill of Resource Load concurrent program and the Enter Bill of Resources form. The rough cut capacity inquiry and report use this table to compile the rough cut capacity plan.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_BILL_OF_MATERIALS	ORGANIZATION_ID ASSEMBLY_ITEM_ID	ORGANIZATION_ID ASSEMBLY_ITEM_ID
BOM_DEPARTMENT_RESOURCES	DEPARTMENT_ID RESOURCE_ID	DEPARTMENT_ID RESOURCE_ID
BOM_INVENTORY_COMPONENTS	COMPONENT_ITEM_ID OPERATION_SEQ_NUM	SOURCE_ITEM_ID OPERATION_SEQ_NUM
BOM_OPERATION_RESOURCES	OPERATION_SEQUENCE_ID RESOURCE_SEQ_NUM	OPERATION_SEQUENCE_ID RESOURCE_SEQ_NUM
CRP_BILL_OF_RESOURCE_ITEMS	INVENTORY_ITEM_ID ORGANIZATION_ID BILL_OF_RESOURCES	ASSEMBLY_ITEM_ID ORGANIZATION_ID BILL_OF_RESOURCES
MTL_SYSTEM_ITEMS_B	INVENTORY_ITEM_ID ORGANIZATION_ID	SOURCE_ITEM_ID ORGANIZATION_ID
WIP_LINES	LINE_ID ORGANIZATION_ID	LINE_ID ORGANIZATION_ID

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BASIS	CST_BASIS	MFG_LOOKUPS
	1	Item
	2	Lot
	3	Resource units
	4	Resource value
	5	Total value

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	6	Activity units
OPERATION_SCHEDULE_TYPE	MCG_OPERATION_SCHEDULE	MFG_LOOKUPS
	1	Standard time
	2	Units of department capacity
	4	24 hour clock
ORIGINATION_TYPE	CRP_ROLLUP_ORIGINATION	MFG_LOOKUPS
	1	Load
	2	Manual update
	3	Manual addition

Column Descriptions

Name	Null?	Type	Description
TRANSACTION_ID (PK)	NOT NULL	NUMBER	Unique id for the row
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
BILL_OF_RESOURCES	NOT NULL	VARCHAR2(10)	Bill of resource set identifier
ASSEMBLY_ITEM_ID	NOT NULL	NUMBER	Assembly item identifier
SOURCE_ITEM_ID	NOT NULL	NUMBER	Component that is the source of the requirement
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
RESOURCE_ID		NUMBER	Resource identifier
DEPARTMENT_ID		NUMBER	Department identifier
LINE_ID		NUMBER	Repetitive line identifier
RESOURCE_DEPARTMENT_HOURS		NUMBER	Required resource hours
OPERATION_SEQ_NUM		NUMBER	Operation sequence number in routing
OPERATION_SEQUENCE_ID		NUMBER	Operation sequence id
RESOURCE_SEQ_NUM		NUMBER	Resource sequence num
SETBACK_DAYS		NUMBER	Resource set back days from assembly due date
ASSEMBLY_USAGE		NUMBER	Resource hours multiplier for assembly usage
ORIGINATION_TYPE	NOT NULL	NUMBER	Origination type of requirement
RESOURCE_UNITS		NUMBER	Operation resource units
BASIS		NUMBER	Operation basis
REQUEST_ID		NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column
DDF_CONTEXT		VARCHAR2(30)	Structure defining column for the developer descriptive flexfield
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# 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

## Indexes

Index Name	Index Type	Sequence	Column Name
CRP_RESOURCE_HOURS_N1	NOT UNIQUE	1	BILL_OF_RESOURCES
		2	ASSEMBLY_ITEM_ID
		3	ORGANIZATION_ID
CRP_RESOURCE_HOURS_N2	NOT UNIQUE	1	DEPARTMENT_ID
		2	RESOURCE_ID
		3	BILL_OF_RESOURCES
		4	ORGANIZATION_ID
CRP_RESOURCE_HOURS_N3	NOT UNIQUE	4	LINE_ID
		5	BILL_OF_RESOURCES
		6	ORGANIZATION_ID
CRP_RESOURCE_HOURS_U1	UNIQUE	1	TRANSACTION_ID

## Sequences

Sequence	Derived Column
CRP_RESOURCE_HOURS_S	TRANSACTION_ID

## CRP\_RESOURCE\_PLAN

CRP\_RESOURCE\_PLAN stores the resource requirements for WIP discrete jobs, WIP nonstandard jobs, suggested planned orders, and suggested repetitive schedules for a MRP plan.

SOURCE\_TRANSACTION\_ID uniquely identifies an order in MRP\_RECOMMENDATIONS.

In the case of a discrete resource requirement, the RESOURCE\_END\_DATE and DAILY\_RESOURCE\_HOURS columns are NULL, and RESOURCE\_DATE contains the resource requirement date.

In the case of a repetitive requirement, RESOURCE\_END\_DATE contains the end date of the requirement, DAILY\_RESOURCE\_HOURS contains the daily resource requirement, RESOURCE\_DATE contains the start date of the requirement, and RESOURCE\_HOURS contains the total resource requirement over the period.

This table is populated by the memory based planner or the CRP planner. It is used to display capacity requirements in the Planner's Workbench form and by CRP inquiry and CRP reports to compile the capacity plan.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_PLANNED_RESOURCE_REQS	DEPARTMENT_ID	DEPARTMENT_ID
	RESOURCE_ID	RESOURCE_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	DESIGNATOR
	USING_ASSEMBLY_ITEM_ID	ASSEMBLY_ITEM_ID
MRP_RECOMMENDATIONS	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM
	TRANSACTION_ID	SOURCE_TRANSACTION_ID
MRP_WIP_RESOURCES	DEPARTMENT_ID	DEPARTMENT_ID
	RESOURCE_ID	RESOURCE_ID
	COMPILE_DESIGNATOR	DESIGNATOR
	ORGANIZATION_ID	ORGANIZATION_ID
	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
REPETITIVE_TYPE	MRP_YES_NO_REVERSED	MFG_LOOKUPS
	1	No
	2	Yes

### Column Descriptions

Name	Null?	Type	Description
TRANSACTION_ID (PK)	NOT NULL	NUMBER	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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



Column Descriptions (Continued)

Name	Null?	Type	Description
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
DEPARTMENT_ID	NOT NULL	NUMBER	Department identifier
RESOURCE_ID	NOT NULL	NUMBER	Resource identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
DESIGNATOR	NOT NULL	VARCHAR2(10)	MRP plan identifier
SOURCE_TRANSACTION_ID	NOT NULL	NUMBER	Order identifier
ASSEMBLY_ITEM_ID	NOT NULL	NUMBER	Assembly item identifier
SOURCE_ITEM_ID	NULL	NUMBER	Source item identifier
OPERATION_SEQ_NUM	NULL	NUMBER	Operation sequence number in routing
RESOURCE_DATE	NOT NULL	DATE	Resource need date
RESOURCE_SEQ_NUM	NULL	NUMBER	Resource sequence number
RESOURCE_HOURS	NOT NULL	NUMBER	Resource hours needed
REPETITIVE_TYPE	NOT NULL	NUMBER	Repetitive type
SUPPLY_TYPE	NULL	NUMBER	Supply Type Identifier
RESOURCE_END_DATE	NULL	DATE	Last date resource is needed for repetitive schedules
DAILY_RESOURCE_HOURS	NULL	NUMBER	Daily resource hours needed for repetitive schedules
LOAD_RATE	NULL	NUMBER	Load Rate
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
CRP_RESOURCE_PLAN_N1	NOT UNIQUE	1	ORGANIZATION_ID
		2	DESIGNATOR
		3	RESOURCE_ID
		4	DEPARTMENT_ID
		5	ASSEMBLY_ITEM_ID
CRP_RESOURCE_PLAN_N2	NOT UNIQUE	1	SOURCE_TRANSACTION_ID
CRP_RESOURCE_PLAN_N3	NOT UNIQUE	2	ASSEMBLY_ITEM_ID
		4	DESIGNATOR
		6	ORGANIZATION_ID
CRP_RESOURCE_PLAN_U1	UNIQUE	1	TRANSACTION_ID

Sequences

Sequence	Derived Column
CRP_RESOURCE_PLAN_S	TRANSACTION_ID

## CRP\_SIMULATION\_SETS

CRP\_SIMULATION\_SETS stores the names of the simulation sets. Simulation sets are used to group multiple resource changes. Each resource change defined in BOM\_RESOURCE\_CHANGES can be associated with a simulation set. The USE\_IN\_WIP flag determines if the resource change associated with a particular simulation set is used by the WIP scheduler. The RCCP and CRP reports and inquiries can be run for a particular simulation set.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
USE_IN_WIP_FLAG	SYS_YES_NO	MFG_LOOKUPS

### Column Descriptions

Name	Null?	Type	Description
SIMULATION_SET (PK)	NOT NULL	VARCHAR2(10)	Simulation set 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
DESCRIPTION	NULL	VARCHAR2(50)	Simulation set description
USE_IN_WIP_FLAG	NULL	NUMBER	Use in WIP flag
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

### Indexes

Index Name	Index Type	Sequence	Column Name
CRP_SIMULATION_SETS_U1	UNIQUE	1	SIMULATION_SET
		2	ORGANIZATION_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## CST\_DEPARTMENT\_OVERHEADS

CST\_DEPARTMENT\_OVERHEADS stores overhead rates by cost type. You can define overhead rates using the Overheads and Departments windows.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_RESOURCES	RESOURCE_ID	OVERHEAD_ID
CST_ACTIVITIES	ACTIVITY_ID	ACTIVITY_ID
CST_COST_TYPES	COST_TYPE_ID	COST_TYPE_ID

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department identifier
COST_TYPE_ID (PK)	NOT NULL	NUMBER	Cost type identifier
OVERHEAD_ID (PK)	NOT NULL	NUMBER	Overhead sub-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		NUMBER	Standard Who column
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
BASIS_TYPE	NOT NULL	NUMBER	Basis
RATE_OR_AMOUNT	NOT NULL	NUMBER	Rate or amount for the overhead sub element
ACTIVITY_ID		NUMBER	Activity identifier
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	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
CST_DEPARTMENT_OVERHEADS_N1	NOT UNIQUE	1	OVERHEAD_ID
		2	COST_TYPE_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
CST_DEPARTMENT_OVERHEADS_U1	UNIQUE	1	DEPARTMENT_ID
		2	COST_TYPE_ID
		3	OVERHEAD_ID
		4	BASIS_TYPE

## CST\_RESOURCE\_COSTS

CST\_RESOURCE\_COSTS stores resource and outside processing resource unit costs by cost type.

If the resource or outside processing resource has the FUNCTIONAL\_CURRENCY\_FLAG set to Yes, you cannot enter a resource rate in the Resources window.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_RESOURCES	RESOURCE_ID	RESOURCE_ID
CST_COST_TYPES	COST_TYPE_ID	COST_TYPE_ID

### Column Descriptions

Name	Null?	Type	Description
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource identifier (sub element)
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
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
RESOURCE_RATE	NOT NULL	NUMBER	Resource unit cost
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

### Indexes

Index Name	Index Type	Sequence	Column Name
CST_RESOURCE_COSTS_U1	UNIQUE	1	RESOURCE_ID
		2	COST_TYPE_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Indexes (Continued)

Index Name	Index Type	Sequence	Column Name
CST_RESOURCE_COSTS_U2	UNIQUE	1	ORGANIZATION_ID
		2	COST_TYPE_ID
		3	RESOURCE_ID

## HR\_ORG\_INFORMATION\_TYPES

HR\_ORG\_INFORMATION\_TYPES holds a list of predefined types of organization information. These are the types of information you can enter when you select an organization classification on the Define Organization form. For example, costing and standard work day information.

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
NAVIGATION_METHOD	ORG_NAVIGATION_METHOD	FND_COMMON_LOOKUPS
	COST	Go to COSTING zone of PERORDOR
	GM	Generic multi row
	GS	Generic single row
	P	Go to Parent Org zone of PERORDOR
	SCL	Go to SCL zone of PERORDOR
	Z	Zoom

### Column Descriptions

Name	Null?	Type	Description
ORG_INFORMATION_TYPE (PK)	NOT NULL	VARCHAR2(40)	Developer descriptive flexfield column.
DESCRIPTION	NULL	VARCHAR2(240)	Description of information type.
DESTINATION	NULL	VARCHAR2(80)	Zoom or call form destination.
DISPLAYED_ORG_INFORMATION_TYPE	NULL	VARCHAR2(30)	Name of the information type that is visible to the user.
FND_APPLICATION_ID	NULL	NUMBER(15)	Foreign key reference to AOL application.
LEGISLATION_CODE	NULL	VARCHAR2(30)	Legislation code for Business Group.
NAVIGATION_METHOD	NULL	VARCHAR2(80)	Navigation to be performed to maintain attributes for the organization type.
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.

### Indexes

Index Name	Index Type	Sequence	Column Name
HR_ORG_INFORMATION_TYPES_PK	UNIQUE	1	ORG_INFORMATION_TYPE

## 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



*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\_PLANNED\_RESOURCE\_REQS

MRP\_PLANNED\_RESOURCE\_REQS stores information on the resource usage of assemblies. Each row includes the department, resource, and the units of resource required for a specific operation. In addition to the operation sequence number, each row also includes the resource offset percent which tells Oracle Capacity where in the lead time of the assembly the resource is required. RUNTIME\_QUANTITY stores the quantity of resource required for the operation specified.

Planning only looks at operations which can be scheduled. That is, entries with a basis type of "item" or "lot".

This table is populated by the Snapshot and used by the CRP Planner. This table is derived primarily from BOM\_OPERATION\_SEQUENCES.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENTS	DEPARTMENT_ID	DEPARTMENT_ID
BOM_OPERATION_RESOURCES	RESOURCE_SEQ_NUM	RESOURCE_SEQ_NUM
BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM
BOM_RESOURCES	RESOURCE_ID	RESOURCE_ID
MRP_PLAN_ORGANIZATIONS	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
MRP_SYSTEM_ITEMS	INVENTORY_ITEM_ID	USING_ASSEMBLY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
BASIS	CST_BASIS	MFG_LOOKUPS
	1	Item
	2	Lot
	3	Resource Units
	4	Resource Value
	5	Total Value
	6	Activity

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department identifier
ORGANIZATION_ID (PK)	NOT NULL	NUMBER	Organization identifier
COMPILE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource identifier
LINE_ID	NULL	NUMBER	Line identifier
USING_ASSEMBLY_ITEM_ID (PK)	NOT NULL	NUMBER	Using assembly item identifier
OPERATION_SEQ_NUM (PK)	NOT NULL	NUMBER	Manufacturing operation sequence number
RESOURCE_SEQ_NUM (PK)	NOT NULL	NUMBER	Resource 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
CREATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Alternate routing designator
RUNTIME_QUANTITY	NOT NULL	NUMBER	Runtime resource quantity required
RESOURCE_OFFSET_PERCENT	NULL	NUMBER	Component resource offset percent
SETBACK_DAYS	NULL	NUMBER	Days setback from the assembly due date when the resource is required.
BASIS	NOT NULL	NUMBER	Operation basis
RESOURCE_UNITS	NULL	NUMBER	Operation resource units
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
SOURCE_ITEM_ID	NULL	NUMBER	Source Item Identifier
ASSEMBLY_USAGE	NULL	NUMBER	Component usage of the source item for the assembly
EFFECTIVITY_DATE	NULL	DATE	Effective date of the routing
DISABLE_DATE	NULL	DATE	Disable Date of the Routing

Indexes

Index Name	Index Type	Sequence	Column Name
MRP_PLANNED_RESOURCE_REQS_N1	NOT UNIQUE	1	USING_ASSEMBLY_ITEM_ID
MRP_PLANNED_RESOURCE_REQS_U1	UNIQUE	3	ORGANIZATION_ID
		4	COMPILE_DESIGNATOR
		5	DEPARTMENT_ID
		6	RESOURCE_ID
		7	USING_ASSEMBLY_ITEM_ID
		8	OPERATION_SEQ_NUM
		9	RESOURCE_SEQ_NUM
		12	ALTERNATE_ROUTING_DESIGNATOR
		14	SOURCE_ITEM_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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

# 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 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

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

Oracle Proprietary, Confidential Information--Use Restricted by Contract



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\_PLAN\_ORGANIZATIONS

MRP\_PLAN\_ORGANIZATIONS stores the organizations that are planned by a MPS, MRP, or DRP plan. This table is a child of MRP\_PLANS and is used by the Oracle Supply Chain Planning module

Oracle Supply Chain Planning maintains 2 versions of the planned organizations. Current, which reflects the current list of organizations, and Last which reflects the organizations planned in the last run of the MPS, MRP, or DRP plan.

This table is populated by the Define Plan Options form.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_PLANS	COMPILE_DESIGNATOR ORGANIZATION_ID	COMPILE_DESIGNATOR ORGANIZATION_ID

### 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
PLANNED_ORGANIZATION (PK)	NOT NULL	NUMBER	Planned organization identifier
PLAN_LEVEL (PK)	NOT NULL	NUMBER	Plan level
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN		NUMBER	Standard Who column
NET_WIP	NOT NULL	NUMBER	Net work in process
NET_RESERVATIONS	NOT NULL	NUMBER	Net material reservations
NET_PURCHASING	NOT NULL	NUMBER	Net purchasing supply
PLAN_SAFETY_STOCK	NOT NULL	NUMBER	Plan safety stock
REQUEST_ID		NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column
PROGRAM_ID		NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE		DATE	Concurrent Who column
ATTRIBUTE_CATEGORY		VARCHAR2(30)	Descriptive flexfield structure defining column
ATTRIBUTE1		VARCHAR2(150)	Descriptive flexfield segment
ATTRIBUTE2		VARCHAR2(150)	Descriptive flexfield segment
BILLS_OF_RESOURCES		VARCHAR2(10)	Bill of Resources
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

*Column Descriptions (Continued)*

Name	Null?	Type	Description
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
SIMULATION_SET	NULL	VARCHAR2(10)	
BILL_OF_RESOURCES	NULL	VARCHAR2(10)	

*Indexes*

Index Name	Index Type	Sequence	Column Name
MRP_PLAN_ORGANIZATIONS_U1	UNIQUE	1	ORGANIZATION_ID
		2	COMPILE_DESIGNATOR
		3	PLANNED_ORGANIZATION
		4	PLAN_LEVEL

---

## MRP\_RECOMMENDATIONS

MRP\_RECOMMENDATIONS stores Oracle Master Scheduling/MRP's suggestions for a given plan. Each purchase order, purchase requisition, purchase order in receiving, discrete job, nonstandard job, intransit shipment, intransit receipt, planned order and suggested repetitive schedule will have a corresponding row in MRP\_RECOMMENDATIONS. The NEW\_ORDER\_QUANTITY and NEW\_SCHEDULE\_DATE store Oracle Master Scheduling/MRP's recommended quantities and dates for an order. OLD\_ORDER\_QUANTITY and OLD\_SCHEDULE\_DATE store the current quantity and date for discrete jobs, purchase orders, purchase requisitions, nonstandard jobs, intransit shipments and intransit receipts. These columns will store null values for planned orders and recommended repetitive schedules. The difference between OLD\_SCHEDULE\_DATE and NEW\_SCHEDULE\_DATE represents the planning process's reschedule recommendation. In the current version, the planning process does not recommend quantity changes. Thus OLD\_ORDER\_QUANTITY and NEW\_ORDER\_QUANTITY will be equal.

For suggested repetitive schedules, NEW\_SCHEDULE\_DATE will store the first unit completion date. The last unit completion date will be stored in LAST\_UNIT\_COMPLETION\_DATE. FIRST\_UNIT\_START\_DATE and LAST\_UNIT\_START\_DATE will hold the first unit start date and last unit start date, respectively. NEW\_PROCESSING\_DAYS will be equal to the number of workdays between LAST\_UNIT\_COMPLETION\_DATE and NEW\_SCHEDULE\_DATE plus one (for example, if LAST\_UNIT\_COMPLETION\_DATE equals August 14 and NEW\_SCHEDULE\_DATE equals August 12, and there are no holidays between those dates, NEW\_PROCESSING\_DAYS will equal 3). NEW\_ORDER\_QUANTITY will store the daily rate for the suggested repetitive schedule. OLD\_SCHEDULE\_DATE and OLD\_ORDER\_QUANTITY will be null.

FIRM\_DATE and FIRM\_QUANTITY will store the firm dates and quantities of planned orders. Both of these columns will be populated only for planned orders with a FIRM\_PLANNED\_TYPE of Yes. When the planner first creates a planned order, it is set to non-firm, and will have null values in FIRM\_DATE and FIRM\_QUANTITY. FIRM\_DATE and FIRM\_QUANTITY can be updated using the Planner Workbench form.

QUANTITY\_IN\_PROCESS will store that portion of a planned order or recommended repetitive schedule that was loaded into WIP or PO via

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

the Planner's Workbench for creation of a Discrete Job, a Purchase Requisition or a WIP repetitive schedule. `QUANTITY_IN_PROCESS` will be populated by the implementation process of the Planner Workbench. `IMPLEMENTED_QUANTITY` will store the quantity of the portion of the planned order that was implemented into a Discrete Job or a Purchase Requisition. It will be updated by the feedback process of the Planning Manager. The feedback process will increment the `IMPLEMENTED_QUANTITY` and decrement the `QUANTITY_IN_PROCESS` based on the quantity of the Discrete Job or Purchase Requisition.

`DISPOSITION_ID` is a foreign key to `MRP_ITEM_WIP_ENTITIES` for discrete jobs. For nonstandard jobs, it references `MRP_WIP_COMPONENTS`. For purchase orders, purchase requisitions, purchase orders in receiving, intransit shipments, and intransit receipts, `DISPOSITION_ID` will be a foreign key to `MRP_ITEM_PURCHASE_ORDERS`. `DISPOSITION_ID` will be equal to `MRP_RECOMMENDATIONS.TRANSACTION_ID` for planned orders and suggested repetitive schedules.

For purchased items, `OLD_DOCK_DATE` and `NEW_DOCK_DATE` represent the date purchase orders and purchase requisitions are due to arrive on the dock, and will match the promise dates in the purchasing system. For manufactured parts, `OLD_DOCK_DATE` and `NEW_DOCK_DATE` represent the dates work orders are due to be completed.

`NEW_WIP_START_DATE` represents the date the discrete job must be started in order for it to be completed on time. For discrete entries, it will be set to the dock date minus the processing lead time of the item (in workdays). Its value will have no meaning for repetitive entries.

An order may have some processing time necessary before the order begins. `NEW_ORDER_PLACEMENT_DATE` and `OLD_ORDER_PLACEMENT_DATE` represent the dates such activity must begin for the order to be started on time. They will be the WIP start date minus the preprocessing lead time (in workdays). Its value will have no meaning for repetitive entries.

If the planning process recommends that an order be cancelled, `DISPOSITION_STATUS_TYPE` will be set to 2 (Cancel order).

The implement columns hold the implementation details for planned orders, purchase requisitions, and discrete jobs and are populated by the Planner Workbench.

This information is used to insert records into the  
WIP\_JOB\_SCHEDULE\_INTERFACE or  
PO\_REQUISITIONS\_INTERFACE.

MRP\_RECOMMENDATIONS is populated by the Planner.

*Foreign Keys*

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_ITEM_PURCHASE_ORDERS	TRANSACTION_ID	DISPOSITION_ID
MRP_ITEM_SOURCING	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	SOURCE_ORGANIZATION_ID	SOURCE_ORGANIZATION_ID
	VENDOR_ID	SOURCE_VENDOR_ID
	VENDOR_SITE_ID	SOURCE_VENDOR_SITE_ID
MRP_ITEM_WIP_ENTITIES	WIP_ENTITY_ID	DISPOSITION_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
MRP_RECOMMENDATIONS	TRANSACTION_ID	DISPOSITION_ID
MRP_SYSTEM_ITEMS	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
MRP_WIP_COMPONENTS	WIP_ENTITY_ID	DISPOSITION_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
WIP_LINES	LINE_ID	LINE_ID

*QuickCodes Columns*

Column	QuickCodes Type	QuickCodes Table
DISPOSITION_STATUS_TYPE	MRP_ORDER_ACTION	MFG_LOOKUPS
	1	Do not cancel
	2	Cancel
FIRM_PLANNED_TYPE	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
IMPLEMENT_AS	MRP_IMPLEMENT_AS	MFG_LOOKUPS
	1	None
	2	Purchase Requisition
	3	Discrete Job
IMPLEMENT_DEMAND_CLASS	DEMAND_CLASS	FND_COMMON_LOOKUPS
	DEMAND_CL1	Demand class 1
	DEMAND_CL2	Demand class 2
	DEMAND_CL3	Demand class 3
IMPLEMENT_FIRM	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
IMPLEMENT_STATUS_CODE	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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	3	Released
	4	Complete
	5	Complete - No Charges
	6	On Hold
	7	Cancelled
	8	Pending Bill Load
	9	Failed Bill Load
LOAD_TYPE	MRP_WORKBENCH_LOAD_TYPE	MFG_LOOKUPS
	1	Discrete mass load
	2	Repetitive mass load
	3	Discrete mass reschedule
	4	Purchasing mass load
	5	Purchasing reschedule
ORDER_TYPE	MRP_ORDER_TYPE	MFG_LOOKUPS
	1	Purchase order
	11	Intransit shipment
	12	Intransit receipt
	13	Suggested repetitive schedule
	14	Discrete job by-product
	15	Nonstandard job by-product
	16	Repetitive schedule by-product
	17	Planned order by-product
	2	Purchase requisition
	27	Flow schedule
	28	Flow schedule by-product
	29	Payback supply
	3	Discrete job
	4	Suggested aggregate repetitive schedule
	5	Planned order
	7	Non-standard job
	8	PO in receiving
RELEASE_STATUS	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
RESCHEDULED_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No

Column Descriptions

Name	Null?	Type	Description
TRANSACTION_ID (PK)	NOT 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
COMPILE_DESIGNATOR	NOT NULL	VARCHAR2(10)	MPS, MRP or DRP plan identifier
NEW_SCHEDULE_DATE	NOT NULL	DATE	New schedule completion date

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
OLD_SCHEDULE_DATE	NULL	DATE	Old schedule date
NEW_WIP_START_DATE	NULL	DATE	New WIP schedule start date
OLD_WIP_START_DATE	NULL	DATE	Old WIP schedule start date
DISPOSITION_ID	NULL	NUMBER	Order number
DISPOSITION_STATUS_TYPE	NOT NULL	NUMBER	Disposition type code
ORDER_TYPE	NOT NULL	NUMBER	Order type code
VENDOR_ID	NULL	NUMBER	Supplier identifier
VENDOR_SITE_ID	NULL	NUMBER	Supplier Site Identifier
NEW_ORDER_QUANTITY	NOT NULL	NUMBER	New order quantity
OLD_ORDER_QUANTITY	NULL	NUMBER	Old order quantity
NEW_ORDER_PLACEMENT_DATE	NULL	DATE	New order placement date
OLD_ORDER_PLACEMENT_DATE	NULL	DATE	Old order placement date
FIRM_PLANNED_TYPE	NOT NULL	NUMBER	Firm flag
RESCHEDULED_FLAG	NULL	NUMBER	Flag indicating if this row been rescheduled using the Planner Workbench form
SCHEDULE_COMPRESSION_DAYS	NULL	NUMBER	Order schedule compression days
NEW_PROCESSING_DAYS	NULL	NUMBER	Repetitive schedule processing days
IMPLEMENTED_QUANTITY	NULL	NUMBER	Planned order implemented quantity
PURCH_LINE_NUM	NULL	NUMBER	Purchase order line number
REVISION	NULL	VARCHAR2(3)	Inventory item revision code
LAST_UNIT_COMPLETION_DATE	NULL	DATE	Last unit completion date for recommended repetitive schedules
FIRST_UNIT_START_DATE	NULL	DATE	First unit start date for repetitive schedules
LAST_UNIT_START_DATE	NULL	DATE	Last unit start date for repetitive schedules
DAILY_RATE	NULL	NUMBER	Daily rate for recommended repetitive schedules
OLD_DOCK_DATE	NULL	DATE	Current dock date
NEW_DOCK_DATE	NULL	DATE	Suggested dock date
SUPPLY_AVAIL_DATE	NULL	DATE	Supply available date.
RESCHEDULE_DAYS	NULL	NUMBER	Difference between old and new schedule dates
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
QUANTITY_IN_PROCESS	NULL	NUMBER	Quantity being processed by the WIP/PO interface processes
FIRM_QUANTITY	NULL	NUMBER	Firm planned quantity
FIRM_DATE	NULL	DATE	Firm planned order date
NETTING_DATE	NULL	DATE	Not currently used
PLANNING_MAKE_BUY_CODE	NULL	NUMBER	Not currently used
UPDATED	NULL	NUMBER	Flag to determine whether add workday modification was applied
STATUS	NULL	NUMBER	Attribute used for online replanning
APPLIED	NULL	NUMBER	Attribute used for online replanning
IMPLEMENT_DEMAND_CLASS	NULL	VARCHAR2(30)	Implement Demand Class
IMPLEMENT_DATE	NULL	DATE	Implement due date
IMPLEMENT_QUANTITY	NULL	NUMBER	Implement quantity
IMPLEMENT_FIRM	NULL	NUMBER	Implement firm type

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



Column Descriptions (Continued)

Name	Null?	Type	Description
IMPLEMENT_WIP_CLASS_CODE	NULL	VARCHAR2(10)	Implement WIP job class code
IMPLEMENT_JOB_NAME	NULL	VARCHAR2(240)	Implement job name
IMPLEMENT_DOCK_DATE	NULL	DATE	Implement dock date
IMPLEMENT_STATUS_CODE	NULL	NUMBER	Implement job status code
IMPLEMENT_EMPLOYEE_ID	NULL	NUMBER	Implement employee identifier
IMPLEMENT_UOM_CODE	NULL	VARCHAR2(3)	Implement UOM code
IMPLEMENT_LOCATION_ID	NULL	NUMBER	Implement location identifier
IMPLEMENT_SOURCE_ORG_ID	NULL	NUMBER	Implement source organization identifier
IMPLEMENT_VENDOR_ID	NULL	NUMBER	Implement supplier identifier
IMPLEMENT_VENDOR_SITE_ID	NULL	NUMBER	Implement supplier site identifier
RELEASE_STATUS	NULL	NUMBER	Release status
LOAD_TYPE	NULL	NUMBER	Load program to execute
IMPLEMENT_AS	NULL	NUMBER(22)	Implement order type
DEMAND_CLASS	NULL	VARCHAR2(30)	Not currently used
ALTERNATE_BOM_DESIGNATOR	NULL	VARCHAR2(10)	Not currently used
ALTERNATE_ROUTING_DESIGNATOR	NULL	VARCHAR2(10)	Not currently used
LINE_ID	NULL	NUMBER	Line identifier
SOURCE	NULL	NUMBER	Not currently used
BY_PRODUCT_USING_ASSY_ID	NULL	NUMBER	Not currently used
SOURCE_ORGANIZATION_ID	NULL	NUMBER	Not currently used
SOURCE_VENDOR_SITE_ID	NULL	NUMBER	Not currently used
SOURCE_VENDOR_ID	NULL	NUMBER	Not currently used
SOURCE_SUPPLY_SCHEDULE_NAME	NULL	VARCHAR2(10)	Not currently used
NEW_SHIP_DATE	NULL	DATE	New ship date
PROJECT_ID	NULL	NUMBER(15)	Project identifier
TASK_ID	NULL	NUMBER(15)	Task identifier
PLANNING_GROUP	NULL	VARCHAR2(30)	Planning group
IMPLEMENT_PROJECT_ID	NULL	NUMBER	Implement project identifier
IMPLEMENT_TASK_ID	NULL	NUMBER	Implement task identifier
IMPLEMENT_SCHEDULE_GROUP_ID	NULL	NUMBER	Schedule group identifier for the planned order to be implemented as a discrete job.
IMPLEMENT_BUILD_SEQUENCE	NULL	NUMBER	Implement build sequence for the planned order to be implemented as a discrete job.
IMPLEMENT_ALTERNATE_BOM	NULL	VARCHAR2(10)	Bill of material designator in the planned order being implemented
IMPLEMENT_ALTERNATE_ROUTING	NULL	VARCHAR2(10)	Routing designator in the planned order being implemented
IMPLEMENT_LINE_ID	NULL	NUMBER	Implement line identifier
SOURCE_ITEM_ID	NULL	NUMBER	Source item identifier
RELEASE_ERRORS	NULL	VARCHAR2(2000)	Errors encountered during enhanced select all for release process
NUMBER1	NULL	NUMBER	Column to store old implement quantity during select all for release process
END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	Unit number
IMPLEMENT_END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	Implement unit number

## Indexes

Index Name	Index Type	Sequence	Column Name
MRP_RECOMMENDATIONS_N1	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	COMPILE_DESIGNATOR
		3	ORGANIZATION_ID
		4	NEW_SCHEDULE_DATE
MRP_RECOMMENDATIONS_N2	NOT UNIQUE	2	COMPILE_DESIGNATOR
		4	ORGANIZATION_ID
		6	ORDER_TYPE
		8	LINE_ID
MRP_RECOMMENDATIONS_N3	NOT UNIQUE	1	ORGANIZATION_ID
		2	COMPILE_DESIGNATOR
		3	LOAD_TYPE
		4	INVENTORY_ITEM_ID
MRP_RECOMMENDATIONS_N4	NOT UNIQUE	10	APPLIED
		20	COMPILE_DESIGNATOR
		30	ORGANIZATION_ID
MRP_RECOMMENDATIONS_N5	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	COMPILE_DESIGNATOR
		3	ORGANIZATION_ID
		4	ORDER_TYPE
		5	NEW_SCHEDULE_DATE
MRP_RECOMMENDATIONS_U1	UNIQUE	1	TRANSACTION_ID

---

## MRP\_SCHEDULE\_DATES

MRP\_SCHEDULE\_DATES stores the master demand and master production schedules. Each row represents a schedule entry for a given item for a given quantity on a given date.

Master demand schedules will only have entries with a SUPPLY\_DEMAND\_TYPE of "Demand". It will never have rows with a SUPPLY\_DEMAND\_TYPE of "Supply". Master production schedules will have entries with a SUPPLY\_DEMAND\_TYPE of "Supply". If a master production schedule is planned by the planning processes, then it may also have entries with a SUPPLY\_DEMAND\_TYPE of "Demand". These rows exist so that the planning processes can peg the source of the demand. Master production schedule entries with a SUPPLY\_DEMAND\_TYPE of "Demand" are for internal purposes only, and are never visible to the user.

Discretely planned items will always have discretely defined schedule entries. For discretely defined schedule entries, SCHEDULE\_DATE holds the date of the entries and SCHEDULE\_QUANTITY holds the quantity. RATE\_END\_DATE and REPETITIVE\_DAILY\_RATE will be NULL. Repetitively planned items will always have repetitively defined schedule entries. For repetitively defined schedule entries, SCHEDULE\_DATE holds the start date of the rate and RATE\_END\_DATE holds the end date. REPETITIVE\_DAILY\_RATE holds the daily rate. SCHEDULE\_QUANTITY will be NULL. SCHEDULE\_WORKDATE will be set equal to SCHEDULE\_DATE, unless SCHEDULE\_DATE is not a valid workday, in which case SCHEDULE\_WORKDATE will equal the previous valid workday.

RATE\_END\_DATE must always be a valid work date. SCHEDULE\_DATE must be a valid work date for repetitive entries, regardless of if it is for a master demand schedule or a master production schedule. SCHEDULE\_DATE must be a valid workday for discrete master production entries. SCHEDULE\_DATE may or may not be a valid work date for discrete master demand entries.

ORIGINAL\_SCHEDULE\_QUANTITY equals SCHEDULE\_QUANTITY when a schedule is first created. As a schedule is consumed, SCHEDULE\_QUANTITY will decrement while ORIGINAL\_SCHEDULE\_QUANTITY will remain the same. The difference between ORIGINAL\_SCHEDULE\_QUANTITY and SCHEDULE\_QUANTITY will always be the sum of the consumptions that have occurred for a given entry.

MRP\_SCHEDULE\_DATES can be loaded from several different sources. SCHEDULE\_ORIGINATION\_TYPE identifies the originating source.

FORECAST\_DESIGNATOR, FORECAST\_ID, SOURCE\_ORGANIZATION\_ID, SOURCE\_SCHEDULE\_DESIGNATOR, SOURCE\_SALES\_ORDER\_ID, RESERVATION\_ID, SOURCE\_CODE and SOURCE\_LINE identify the specific entity that generated the schedule entry. If the origination type indicates the order was generated by an item forecast load, the SOURCE\_ORGANIZATION\_ID, FORECAST\_DESIGNATOR and FORECAST\_ID will store the organization, forecast designator and specific forecast entry from which it was loaded. If the origination type indicates the order was generated by a sales order load, the SOURCE\_ORGANIZATION\_ID, SOURCE\_SALES\_ORDER\_ID and RESERVATION\_ID identify the organization, sales order and specific entry in MTL\_DEMAND from which the sales order was loaded. If the origination type indicates the order was generated by a schedule copy, the SOURCE\_ORGANIZATION\_ID and SOURCE\_SCHEDULE\_DESIGNATOR identify the organization and schedule name from which the entry was loaded. If the origination type indicates the order was generated by a schedule import, SOURCE\_CODE and SOURCE\_LINE may be populated to indicate where the rows came from. The SOURCE\_CODE and SOURCE\_LINE columns are user defined and optional.

Oracle Master Scheduling/MRP maintains several different versions of master schedules: Current, which reflects the current status of the master schedule, Last submitted to MPS/MRP, which is a snapshot of the schedule as it existed when the Planner was last run, and Original, which is a copy of each entry as it existed when it was first created. The original schedule version is only maintained if the profile "MRP:Maintain Original Schedule Version" is set to "Yes".

MRP\_SCHEDULE\_DATES is populated by the Enter Master Schedule Entries form and the MPS/MDS Schedule Autoload concurrent program.

#### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_FORECAST_DATES	TRANSACTION_ID	FORECAST_ID
MRP_FORECAST_DESIGNATORS	FORECAST_DESIGNATOR ORGANIZATION_ID	SOURCE_FORECAST_DESIGNATOR ORGANIZATION_ID
MRP_RECOMMENDATIONS	TRANSACTION_ID	REFERENCE_SCHEDULE_ID
MRP_SCHEDULE_DESIGNATORS	SCHEDULE_DESIGNATOR ORGANIZATION_ID	SOURCE_SCHEDULE_DESIGNATOR SOURCE_ORGANIZATION_ID
MRP_SCHEDULE_ITEMS	INVENTORY_ITEM_ID ORGANIZATION_ID SCHEDULE_DESIGNATOR	INVENTORY_ITEM_ID ORGANIZATION_ID SCHEDULE_DESIGNATOR
MTL_SALES_ORDERS	SALES_ORDER_ID	SOURCE_SALES_ORDER_ID
WIP_LINES	LINE_ID	LINE_ID

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

### QuickCodes Columns

Column	QuickCodes Type	QuickCodes Table
SCHEDULE_LEVEL	MRP_SCHEDULE_LEVEL	MFG_LOOKUPS
	1	Original
	2	Current
	3	Last submitted to MPS/MRP
SCHEDULE_ORIGINATION_TYPE	MRP_SCHEDULE_ORIG	MFG_LOOKUPS
	1	Manual
	11	Interorganization planned order
	2	Forecast
	3	Sales order
	4	Copied schedule
	6	MPS plan
	7	Outside load
SUPPLY_DEMAND_TYPE	MRP_SUPPLY_DEMAND_TYPE	MFG_LOOKUPS
	1	Demand
	2	Supply

### Column Descriptions

Name	Null?	Type	Description
MPS_TRANSACTION_ID (PK)	NOT NULL	NUMBER	Unique identifier
SCHEDULE_LEVEL (PK)	NOT NULL	NUMBER	Master schedule level
SUPPLY_DEMAND_TYPE (PK)	NOT NULL	NUMBER	Entries represent supply or demand
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
INVENTORY_ITEM_ID	NOT NULL	NUMBER	Inventory item identifier
ORGANIZATION_ID	NOT NULL	NUMBER	Organization identifier
SCHEDULE_DESIGNATOR	NOT NULL	VARCHAR2(10)	Master schedule identifier
SCHEDULE_DATE	NOT NULL	DATE	Schedule date
SCHEDULE_WORKDATE	NOT NULL	DATE	Greatest workdate that is less than or equal to schedule date
RATE_END_DATE		DATE	End date for daily rate
SCHEDULE_QUANTITY		NUMBER	Schedule quantity
ORIGINAL_SCHEDULE_QUANTITY		NUMBER	Schedule quantity before consumptions
REPETITIVE_DAILY_RATE		NUMBER	Repetitive item daily rate
SCHEDULE_ORIGINATION_TYPE	NOT NULL	NUMBER	Schedule origination code
SOURCE_FORECAST_DESIGNATOR		VARCHAR2(10)	Item forecast identifier
REFERENCE_SCHEDULE_ID		NUMBER	Reference schedule change identifier
SCHEDULE_COMMENTS		VARCHAR2(240)	Schedule comments
SOURCE_ORGANIZATION_ID		NUMBER	Source organization_id
SOURCE_SCHEDULE_DESIGNATOR		VARCHAR2(10)	Source schedule designator
SOURCE_SALES_ORDER_ID		NUMBER	Source sales order
SOURCE_CODE		VARCHAR2(10)	Source code of relief entry
SOURCE_LINE_ID		NUMBER	Source line identifier
RESERVATION_ID		NUMBER	Reservation identifier
FORECAST_ID		NUMBER	Forecast identifier
REQUEST_ID		NUMBER	Concurrent Who column
PROGRAM_APPLICATION_ID		NUMBER	Concurrent Who column

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# Column Descriptions (Continued)

Name	Null?	Type	Description
PROGRAM_ID	NULL	NUMBER	Concurrent Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent Who column
OLD_TRANSACTION_ID	NULL	NUMBER	Transaction id of source record
TO_UPDATE	NULL	NUMBER	Temporary place-holder to indicate if record should be updated at the end of the process
DDF_CONTEXT	NULL	VARCHAR2(30)	Dummy column used for developer descriptive flexfields
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
PROJECT_ID	NULL	NUMBER(15)	Project identifier
TASK_ID	NULL	NUMBER(15)	Task identifier
LINE_ID	NOT NULL	NUMBER(15)	Line identifier
END_ITEM_UNIT_NUMBER	NULL	VARCHAR2(30)	

## Indexes

Index Name	Index Type	Sequence	Column Name
MRP_SCHEDULE_DATES_N1	NOT UNIQUE	1	INVENTORY_ITEM_ID
		2	SCHEDULE_DESIGNATOR
		3	ORGANIZATION_ID
		4	SCHEDULE_LEVEL
		5	SCHEDULE_DATE
		6	SUPPLY_DEMAND_TYPE
MRP_SCHEDULE_DATES_N2	NOT UNIQUE	1	REFERENCE_SCHEDULE_ID
		2	SCHEDULE_LEVEL
		3	SUPPLY_DEMAND_TYPE
MRP_SCHEDULE_DATES_N3	NOT UNIQUE	1	SCHEDULE_DESIGNATOR
		2	ORGANIZATION_ID
		3	SCHEDULE_LEVEL
		4	SCHEDULE_ORIGINATION_TYPE
		5	SUPPLY_DEMAND_TYPE
MRP_SCHEDULE_DATES_N4	NOT UNIQUE	6	RESERVATION_ID
MRP_SCHEDULE_DATES_N5	NOT UNIQUE	1	OLD_TRANSACTION_ID
MRP_SCHEDULE_DATES_N6	NOT UNIQUE	2	PROJECT_ID
		4	TASK_ID
MRP_SCHEDULE_DATES_U1	UNIQUE	1	MPS_TRANSACTION_ID
		2	SCHEDULE_LEVEL
		3	SUPPLY_DEMAND_TYPE

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Sequences

Sequence	Derived Column
MRP_SCHEDULE_DATES_S	MPS_TRANSACTION_ID

## MRP\_SCHEDULE\_DESIGNATORS

MRP\_SCHEDULE\_DESIGNATORS stores MPS and MDS schedule names. A schedule name uniquely identifies a master schedule.

MPS\_RELIEF indicates whether or not the Planning Manager should consume this master demand or master production schedule.

INVENTORY\_ATP\_FLAG indicates whether or not inventory can consider this master production schedule as a source of supply as defined by ATP rules. It will always be No for master demand schedules.

This table is populated by the Define Master Schedule 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
INVENTORY_ATP_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
MPS_RELIEF	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PRIMARY_DESIGNATOR	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
PRODUCTION	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

### Column Descriptions

Name	Null?	Type	Description
SCHEDULE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	Master schedule 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
SCHEDULE_TYPE	NOT NULL	NUMBER	Schedule type code
MPS_RELIEF	NOT NULL	NUMBER	Perform MPS relief against this designator
INVENTORY_ATP_FLAG	NOT NULL	NUMBER	ATP supply flag
DESCRIPTION	NULL	VARCHAR2(50)	Designator description

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



# Column Descriptions (Continued)

Name	Null?	Type	Description
DISABLE_DATE	NULL	DATE	Designator disable date
DEMAND_CLASS	NULL	VARCHAR2(30)	Demand class 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
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
ORGANIZATION_SELECTION	NULL	NUMBER	Organization selection to specify if schedule is for single, all, or multiple organizations
PRODUCTION	NULL	NUMBER	flag for auto release

## Indexes

Index Name	Index Type	Sequence	Column Name
MRP_SCHEDULE_DESIGNATORS_U1	UNIQUE	1	SCHEDULE_DESIGNATOR
		2	ORGANIZATION_ID

## MRP\_SCHEDULE\_ITEMS

MRP\_SCHEDULE\_ITEMS stores the items that are members of a master schedule. Each item that has entries in MRP\_SCHEDULE\_DATES for a given schedule name will have exactly one row in MRP\_SCHEDULE\_ITEMS.

MPS\_EXPLOSION\_LEVEL holds the lowest level to which the Exploder should explode down the bill of material when planning a master production schedule. It defaults to the maximum bill of material levels as defined in Oracle Bills of Material, but may be set to a smaller value in order to improve performance of the Exploder.

This table is populated by the Enter Master Schedule Entries form.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MRP_SCHEDULE_DESIGNATORS	SCHEDULE_DESIGNATOR ORGANIZATION_ID	SCHEDULE_DESIGNATOR 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
SCHEDULE_DESIGNATOR (PK)	NOT NULL	VARCHAR2(10)	Master 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
MPS_EXPLOSION_LEVEL	NULL	NUMBER	MPS explosion level
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive flexfield segment
CAPACITY_MODEL_ID	NULL	NUMBER	Base model identifier of item

Indexes

Index Name	Index Type	Sequence	Column Name
MRP_SCHEDULE_ITEMS_U1	UNIQUE	1	ORGANIZATION_ID
		2	SCHEDULE_DESIGNATOR
		3	INVENTORY_ITEM_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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# 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	5	Product Family
	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
CALCULATE_ATP	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
END_ASSEMBLY_PEGGING	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
ENGINEERING_ITEM_FLAG	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
	2	No
INVENTORY_PLANNING_CODE	MTL_MATERIAL_PLANNING	MFG_LOOKUPS
	1	Reorder point planning
	2	Min-max planning
	6	Not planned
INVENTORY_TYPE	MTL_INVENTORY_TYPES	MFG_LOOKUPS
	1	Inventory part numbers
	2	Supply items
	3	Publications
	4	Disposable tools
	5	Nondisposable tools
	6	Machines
	7	Engineering items
IN_SOURCE_PLAN	8	Indirect items
	SYS_YES_NO	MFG_LOOKUPS
	1	Yes
LOT_CONTROL_CODE	2	No
	MTL_LOT_CONTROL	MFG_LOOKUPS
	1	No lot control
MINMAX_ORDER_TYPE	2	Full lot control
	MTL_MINMAX_ORDER	MFG_LOOKUPS
	1	Fixed order quantity
MRP_PLANNING_CODE	2	Variable quantity
	MRP_PLANNING_CODE	MFG_LOOKUPS
	3	MRP planning
	4	MPS planning
	6	Not planned
	7	MRP and DRP planning
	8	MPS and DRP planning
	9	DRP planning

Oracle Proprietary, Confidential Information--Use Restricted by Contract

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
ORIGINATION_TYPE	MTL_ITEM_ORIGINATION	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	5	Processed
	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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



## MRP\_WIP\_RESOURCES

MRP\_WIP\_RESOURCES stores information on the resource usage of discrete jobs. Each row includes the department, resource, operation sequence number, sequence number of the resource within the operation, and the hours of the resource required and expended for a specific operation. In addition, each row also includes the start date of the operation.

FIRST\_UNIT\_START\_DATE is the operation start date, or the job start date, if the operation start date is unavailable. This column is used by the CRP planner to decide when the resource is required. SCHEDULE\_COMPLETION\_DATE is the operation completion date, or the job completion date, if the operation completion date is unavailable.

This table is populated by the Snapshot, and used by the CRP Planner in computing discrete job resource requirements.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
BOM_DEPARTMENT_RESOURCES	DEPARTMENT_ID	DEPARTMENT_ID
	RESOURCE_ID	RESOURCE_ID
BOM_OPERATION_RESOURCES	RESOURCE_SEQ_NUM	RESOURCE_SEQ_NUM
BOM_OPERATION_SEQUENCES	OPERATION_SEQ_NUM	OPERATION_SEQ_NUM
MRP_ITEM_WIP_ENTITIES	WIP_ENTITY_ID	WIP_ENTITY_ID
	ORGANIZATION_ID	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR
	INVENTORY_ITEM_ID	INVENTORY_ITEM_ID
MRP_PLAN_ORGANIZATIONS	PLANNED_ORGANIZATION	ORGANIZATION_ID
	COMPILE_DESIGNATOR	COMPILE_DESIGNATOR

### 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
OPERATION_SCHEDULE_TYPE	6	Activity
	MCG_OPERATION_SCHEDULE	MFG_LOOKUPS
	1	Standard time
	2	Units of department capacity
	4	24 hour clock

### Column Descriptions

Name	Null?	Type	Description
DEPARTMENT_ID (PK)	NOT NULL	NUMBER	Department identifier

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

# Column Descriptions (Continued)

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
RESOURCE_ID (PK)	NOT NULL	NUMBER	Resource identifier
WIP_ENTITY_ID (PK)	NOT NULL	NUMBER	WIP job or repetitive assembly identifier
OPERATION_SEQ_NUM (PK)	NOT NULL	NUMBER	Manufacturing operation sequence number
RESOURCE_SEQ_NUM (PK)	NOT NULL	NUMBER	Resource 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
FIRST_UNIT_START_DATE	NULL	DATE	Operation start or resource requirement date
OPERATION_HOURS_REQUIRED	NOT NULL	NUMBER	Job operation hours required
HOURS_EXPENDED	NOT NULL	NUMBER	Job hours expended
BASIS_TYPE	NOT NULL	NUMBER	Operation basis type
RESOURCE_UNITS	NULL	NUMBER	Resource units
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
INVENTORY_ITEM_ID	NOT NULL	NUMBER	Inventory item identifier
WIP_JOB_TYPE	NULL	NUMBER	Job Type
RESOURCE_END_DATE	NULL	DATE	Resource end date

## Indexes

Index Name	Index Type	Sequence	Column Name
MRP_WIP_RESOURCES_N1	NOT UNIQUE	1	WIP_ENTITY_ID
MRP_WIP_RESOURCES_U1	UNIQUE	1	ORGANIZATION_ID
		2	COMPILE_DESIGNATOR
		3	DEPARTMENT_ID
		4	RESOURCE_ID
		5	WIP_ENTITY_ID
		6	OPERATION_SEQ_NUM
		7	RESOURCE_SEQ_NUM

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## 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.

### 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

# 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\_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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

### 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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

Oracle Proprietary, Confidential Information--Use Restricted by Contract



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_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

## 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		NUMBER	Standard Who column
DESCRIPTION		VARCHAR2(240)	Status code description
DISABLE_DATE		DATE	Disable date
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	Standard Who column
PROGRAM_APPLICATION_ID		NUMBER	Standard Who column
PROGRAM_ID		NUMBER	Standard Who column
PROGRAM_UPDATE_DATE		DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
MTL_ITEM_STATUS_U1	UNIQUE	1	INVENTORY_ITEM_STATUS_CODE

## 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
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
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	MATERIAL_ACCOUNT

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

### Foreign Keys (Continued)

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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

*QuickCodes Columns (Continued)*

Column	QuickCodes Type	QuickCodes Table
	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	NUL	NUMBER	Standard Who column
ORGANIZATION_CODE	NUL	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	NUL	NUMBER	Default material sub-element
CALENDAR_EXCEPTION_SET_ID	NOT NULL	NUMBER	Calendar exception set
CALENDAR_CODE	NOT NULL	VARCHAR2(10)	Manufacturing calendar
GENERAL_LEDGER_UPDATE_CODE	NOT NULL	NUMBER	General ledger update code
DEFAULT_ATP_RULE_ID	NUL	NUMBER	Default available to promise rule
DEFAULT_PICKING_RULE_ID	NUL	NUMBER	Default picking rule code
DEFAULT_LOCATOR_ORDER_VALUE	NUL	NUMBER	Default picking order of locators
DEFAULT_SUBINV_ORDER_VALUE	NUL	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
MATERIAL_ACCOUNT	NUL	NUMBER	Inventory material account

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
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
ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive flexfield segment

Oracle Proprietary, Confidential Information--Use Restricted by Contract

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
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
GLOBAL_ATTRIBUTE17	NULL	VARCHAR2(150)	Global descriptive flexfield segment

Oracle Proprietary, Confidential Information--Use Restricted by Contract



Column Descriptions (Continued)

Name	Null?	Type	Description
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

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\_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 Entry, 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

## Foreign Keys (Continued)

Primary Key Table	Primary Key Column	Foreign Key Column
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 1 2 3	MFG_LOOKUPS Item specific Standard Both standard and item specific
ALLOW_EXPRESS_DELIVERY_FLAG	YES_NO N Y	FND_LOOKUPS No Yes
ALLOW_ITEM_DESC_UPDATE_FLAG	YES_NO N Y	FND_LOOKUPS No Yes
ALLOW_SUBSTITUTE_RECEIPTS_FLAG	YES_NO N Y	FND_LOOKUPS No Yes
ALLOW_UNORDERED_RECEIPTS_FLAG	YES_NO N Y	FND_LOOKUPS No Yes

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
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
CATALOG_STATUS_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
CHECK_SHORTAGES_FLAG	YES_NO	FND_LOOKUPS
	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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	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
	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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	2	No
EVENT_FLAG	YES_NO	FND_LOOKUPS
	N	No
	Y	Yes
EXPENSE_BILLABLE_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
	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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
	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
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
	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

Oracle Proprietary, Confidential Information--Use Restricted by Contract



QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
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
	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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

QuickCodes Columns (Continued)

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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

QuickCodes Columns (Continued)

Column	QuickCodes Type	QuickCodes Table
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
	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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
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
SUMMARY_FLAG	NOT NULL	VARCHAR2(1)	Flexfield summary flag
ENABLED_FLAG	NOT NULL	VARCHAR2(1)	Flexfield segment enabled flag
START_DATE_ACTIVE	NULL	DATE	Flexfield segment start date
END_DATE_ACTIVE	NULL	DATE	Flexfield segment end date
DESCRIPTION	NULL	VARCHAR2(240)	Item description is maintained in the installation base language only
BUYER_ID	NULL	NUMBER(9)	Buyer identifier
ACCOUNTING_RULE_ID	NULL	NUMBER	Accounting rule identifier
INVOICING_RULE_ID	NULL	NUMBER	Invoicing rule identifier
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
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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



Column Descriptions (Continued)

Name	Null?	Type	Description
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
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

Column Descriptions (Continued)

Name	Null?	Type	Description
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
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)	
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)	
EVENT_FLAG	NULL	VARCHAR2(1)	
ELECTRONIC_FLAG	NULL	VARCHAR2(1)	
DOWNLOADABLE_FLAG	NULL	VARCHAR2(1)	

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

### Column Descriptions (Continued)

Name	Null?	Type	Description
VOL_DISCOUNT_EXEMPT_FLAG	NULL	VARCHAR2(1)	Indicates an item can 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)	In case an item is in limited quantity, indicates whether it can be back ordered
WEB_STATUS	NULL	VARCHAR2(30)	
INDIVISIBLE_FLAG	NULL	VARCHAR2(1)	Item unit is indivisible

### Indexes

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

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\_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\_T2\_VEH  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : UPDATE

This trigger exports Automotive specific Item data to CARaS to maintain data consistency whenever data in Oracle is changed. It calls the Automotive export launcher procedure which validates the Automotive specific data before it exports it to CARaS.

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Item data comes from the following tables

ECE\_TP\_GROUP  
ECE\_TP\_DETAILS  
MTL\_SYSTEM\_ITEMS  
MTL\_CUSTOMER\_ITEMS  
MTL\_CUSTOMER\_ITEM\_XREFS  
VEH\_MTL\_CUSTOMER\_ITEMS  
WSH\_CONTAINER\_LOAD

The above tables have triggers to export Item data to CARaS.

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\_T6\_ICX  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : INSERT

This trigger places a re-index request on the ConText queue. The trigger is installed via a post-install step for Web Requestitions and is required only if this module is used. There is a prerequisite that ConText be installed.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T7\_ICX  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : UPDATE

This trigger places a re-index request on the ConText queue. The trigger is installed via a post-install step for Web Requestitions and is required only if this module is used. There is a prerequisite that ConText be installed.

Trigger Name : MTL\_SYSTEM\_ITEMS\_T8\_ICX  
Trigger Time : AFTER  
Trigger Level : ROW  
Trigger Event : DELETE

This trigger places a re-index request on the ConText queue. The trigger is installed via a post-install step for Web Requestitions and is required only if this module is used. There is a prerequisite that ConText be installed.

## 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	FND_LOOKUPS
	N	No
	Y	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

### Indexes

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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

Indexes (Continued)

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

## 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



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 (i.e., lead time), and the start and stop time information that determines the amount of time per day 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		VARCHAR2(240)	Descriptive text
DISABLE_DATE		DATE	Disable date
MINIMUM_RATE	NOT NULL	NUMBER	Hourly minimum rate
MAXIMUM_RATE	NOT NULL	NUMBER	Hourly maximum rate
FIXED_THROUGHPUT		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		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		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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

*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 a 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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 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

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\_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

Oracle Proprietary, Confidential Information--Use Restricted by Contract

## 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 of assembly 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 the line is used for lead time calculations
PRODUCTION_LINE_RATE	NOT NULL	NUMBER	Number of assemblies which 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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**



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

**Oracle Proprietary, Confidential Information--Use Restricted by Contract**

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	PO Creation Time for Outside Processing

## Indexes

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

## Sequences

Sequence	Derived Column
WIP_REPETITIVE_SCHEDULES_S	REPETITIVE_SCHEDULE_ID

Oracle Proprietary, Confidential Information--Use Restricted by Contract





# Index

## A

Application Building Block, 1 – 8

## C

Column descriptions, 3 – 4

Columns, Who, 3 – 4

Concurrent Program List, 2 – 18

*See also* Concurrent Program Definitions

country-specific localizations, 3 – 6

## D

Database Diagram, 1 – 8

Summary Database Diagram, 1 – 8

database diagrams

conventions, 2 – 7

summary, 2 – 6

Database triggers, 3 – 6

## F

Foreign keys, 3 – 3

Form, 1 – 9

Form List, 2 – 18

*See also* Form Definitions

Forms and Table View List, 2 – 16

## G

GLOBAL\_ATTRIBUTE columns, 3 – 6

## I

Indexes, 3 – 6

important note about, 3 – 6

Internal View List, 2 – 17

## L

Lookup types. *See* QuickCodes

## M

Module List, 2 – 18

*See also* Module Definitions

Modules, 1 – 8

## O

Oracle8 sequences. *See* Sequences

## P

Public Table List, 2 – 12

Public View List, 2 – 15

## Q

QuickCodes, 1 – 8

Columns that contain, 3 – 3

## R

Relationship, 1 – 8

Report List, 2 – 18  
*See also* Report Definitions

## S

Sequences, 3 – 6  
summary database diagram. *See* database diagrams

## T

Table and View Definitions

BOM\_BILL\_OF\_MATERIALS, 3 – 8  
BOM\_CALENDAR\_DATES, 3 – 11  
BOM\_CALENDAR\_SHIFTS, 3 – 13  
BOM\_DEPARTMENT\_RESOURCES, 3 – 17  
BOM\_DEPARTMENTS, 3 – 15  
BOM\_INVENTORY\_COMPONENTS, 3 – 19  
BOM\_OPERATION\_RESOURCES, 3 – 27  
BOM\_OPERATION\_SEQUENCES, 3 – 29  
BOM\_OPERATIONAL\_ROUTINGS, 3 – 24  
BOM\_ORG\_CAL\_DATES\_VIEW, 3 – 32  
BOM\_ORG\_CAL\_PERIODS\_VIEW, 3 – 33  
BOM\_ORG\_CAL\_WEEKS\_VIEW, 3 – 34  
BOM\_RESOURCE\_CHANGES, 3 – 38  
BOM\_RESOURCE\_SHIFTS, 3 – 40  
BOM\_RESOURCES, 3 – 35  
BOM\_SHIFT\_DATES, 3 – 41  
BOM\_SHIFT\_TIMES, 3 – 42  
CRP\_24HR\_AVAILABLE\_HOURS, 2 – 17  
CRP\_AVAILABLE\_HOURS, 2 – 17  
CRP\_AVAILABLE\_RESOURCES, 3 – 43  
CRP\_AVAILABLE\_RESOURCES\_V, 2 – 16  
CRP\_BILL\_OF\_RESOURCE\_ITEMS, 3 – 46  
CRP\_BILL\_OF\_RESOURCE\_ITEMS\_V, 2 – 16  
CRP\_BILLS\_OF\_RESOURCES, 3 – 45  
CRP\_CAL\_SHIFT\_DELTA, 3 – 47  
CRP\_CAPACITY\_PLANS, 3 – 49  
CRP\_CAPACITY\_PLANS\_V, 2 – 16  
CRP\_DISPLAY\_OPTIONS, 3 – 51  
CRP\_FORM\_QUERY, 3 – 53  
CRP\_FORM\_QUERY\_V, 2 – 17

CRP\_OTHER\_AVAILABLE\_HOURS, 2 – 17  
CRP\_PLANNED\_RESOURCES, 3 – 55  
CRP\_PLANNED\_RESOURCES\_V, 2 – 16  
CRP\_REQUIRED\_HOURS, 2 – 17  
CRP\_RESOURCE\_HOURS, 3 – 57  
CRP\_RESOURCE\_HOURS\_V, 2 – 16  
CRP\_RESOURCE\_PLAN, 3 – 60  
CRP\_RESOURCE\_REQUIREMENTS\_V, 2 – 16  
CRP\_RESOURCE\_V, 2 – 17  
CRP\_SIMULATION\_SETS, 3 – 62  
CST\_DEPARTMENT\_OVERHEADS, 3 – 63  
CST\_RESOURCE\_COSTS, 3 – 65  
HR\_ORG\_INFORMATION\_TYPES, 3 – 67  
MRP\_DESIGNATORS, 3 – 68  
MRP\_PLAN\_ORGANIZATIONS, 3 – 78  
MRP\_PLANNED\_RESOURCE\_REQS, 3 – 70  
MRP\_PLANS, 3 – 72  
MRP\_RECOMMENDATIONS, 3 – 80  
MRP\_SCHEDULE\_DATES, 3 – 87  
MRP\_SCHEDULE\_DESIGNATORS, 3 – 92  
MRP\_SCHEDULE\_ITEMS, 3 – 94  
MRP\_SYSTEM\_ITEMS, 3 – 96  
MRP\_WIP\_RESOURCES, 3 – 101  
MTL\_CATEGORIES\_B, 3 – 103  
MTL\_DEMAND, 3 – 105  
MTL\_ITEM\_STATUS, 3 – 111  
MTL\_PARAMETERS, 3 – 112  
MTL\_SYSTEM\_ITEMS\_B, 3 – 119  
MTL\_UOM\_CONVERSIONS, 3 – 138  
ORG\_ORGANIZATION\_DEFINITIONS, 2 – 16  
WIP\_ENTITIES, 3 – 140  
WIP\_LINES, 3 – 142  
WIP\_OPERATIONS, 3 – 144  
WIP\_REPETITIVE\_ITEMS, 3 – 147  
WIP\_REPETITIVE\_SCHEDULES, 3 – 150

### Tables

*See also* Table and View Definitions  
Column descriptions, 3 – 4  
Foreign keys, 3 – 3  
Indexes. *See* Indexes  
Primary Keys, 3 – 4  
QuickCodes Columns, 3 – 3  
Who columns, 3 – 4, 3 – 5



# V

View Definitions. *See* Table and View Definitions

## Views

*See also* Table and View Definitions; View List  
Derivation, 3 – 7



# Reader's Comment Form

## Oracle Capacity Technical Reference Manual A80843–01

Oracle Corporation welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information we use for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual? What did you like least about it?

If you find any errors or have any other suggestions for improvement, please indicate the topic, chapter, and page number below:

---

---

---

---

---

---

---

---

Please send your comments to:

Oracle Applications Documentation Manager  
Oracle Corporation  
500 Oracle Parkway  
Redwood Shores, CA 94065 USA  
Phone: (650) 506–7000 Fax: (650) 506–7200

If you would like a reply, please give your name, address, and telephone number below:

---

---

---

Thank you for helping us improve our documentation.



# CAUTION!

This document contains proprietary, confidential information that is the exclusive property of Oracle Corporation.

If you are an Oracle customer, this numbered copy is registered in your site's name. Use, duplication, and disclosure are severely restricted and subject to restrictions stated in your contract with Oracle Corporation.

If you are an Oracle employee, this numbered copy is registered in your name and must be returned if you leave the company. It is your responsibility not to disclose this information to anyone outside of Oracle who is not licensed to use this product. If you have a prospect who needs to see this information, contact mailid APPSAPP to obtain a special nondisclosure agreement.

If you are neither an Oracle customer with a valid contract for the use of this document nor an Oracle employee, then you received this document in an unauthorized manner and are not legally entitled to possess or read it. Please return it immediately to Oracle. You may call collect to the office of the Executive Vice President Applications Division, to arrange its return.

Copy #

