

Oracle® Process Manufacturing Process Planning Technical Reference Manual

RELEASE 11*i*

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OPM Logistics Technical Reference Manual

Release 11i

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Oracle Process Manufacturing Process Planning Technical Reference Manual

Part No. A81212-01

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Introduction

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

This chapter introduces you to the *Oracle Process Manufacturing Process Planning Technical Reference Manual*, and explains how to use it.

Overview

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

About this Manual

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

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

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

Finding the Latest Information

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

Audience

The *Oracle Process Manufacturing Process Planning 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 OPM. 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).

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 OPM uses. This chapter also has a list of modules.

Detailed Design

This section, Chapter 3, contains a detailed description of the OPM 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 Process Manufacturing Process Planning Technical Reference Manual* is a single, centralized source for all the information you need to know about the underlying structure and processing of OPM. For example, you can use this manual when you need to:

- Convert existing application data
- Integrate OPM 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.

How Not To Use This Manual

Do not use this manual to plan modifications

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

We have constructed OPM 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). 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 Process Manufacturing Process Planning Technical Reference Manual* does not contain complete information about the dependencies between OPM 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 OPM.

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

About Oracle Application Object Library

The *Oracle Process Manufacturing Process Planning 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 OPM.

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 OPM. 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 Process Manufacturing System Administration User's Guide

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

Oracle Self-Service Web Applications Online Documentation

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

Oracle Applications Flexfields Guide

This guide provides flexfields planning, setup and reference information for the OPM 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 OPM. This manual details additional steps and setup considerations for implementing OPM 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 OPM installation, use this guide to learn about setting up and using OPM 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 Applications Messages Manual

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

Installation and System Administration

Oracle Applications Installation Release Notes

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

Oracle Applications Concepts

Designed to be the first book the user reads to prepare for an installation of Oracle Applications. It explains the technology stack, architecture, features and terminology for Oracle Applications Release 11*i*. This book also introduces the concepts behind and major uses of Applications-wide features such as MRC, BIS, languages and character sets (NLS, MLS), BIS, Self-Service Web Applications and so on.

Installing Oracle Applications

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

Using the AD Utilities

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

Upgrading Oracle Applications

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

Oracle Applications System Administrator's Guide

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

Oracle Applications Product Update Notes

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

Oracle Self-Service Web Applications Implementation Manual

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

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 OPM 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 OPM and this technical reference manual!

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Oracle Applications Documentation Manager

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Redwood Shores, California 94065

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Or, send electronic mail to **appsdoc@us.oracle.com**.

High-Level Design

This chapter presents a high-level design for Oracle Process Manufacturing (OPM) that satisfies the business needs we specify during Strategy and Analysis. It contains database diagrams for OPM Process Planning 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 OPM Process Planning. And, you can prepare yourself to understand the detailed design and implementation of OPM.

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 application depends.

Database Diagrams

The Database Diagrams section graphically represents all OPM Process Planning tables and the relationships between them, organized by building block.

Use this section to quickly learn what tables each OPM Process Planning building block uses, and how those tables interrelate. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about each of those tables.

Table Lists

The Table List sections list the OPM Process Planning 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 2 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 OPM Process Planning; we do not provide additional documentation for these tables.

View Lists

The View List sections list the OPM Process Planning 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 2 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 OPM Process Planning uses.

Single-Organization Views

This section lists the 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 OPM.

Multiple Reporting Currency Views

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

MultiLingual Views

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

Module List

The Module List section briefly describes each of the OPM Process Planning 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 OPM Process Planning. Use your user's guide to learn more about reports and concurrent processes.

Summary Database Diagram

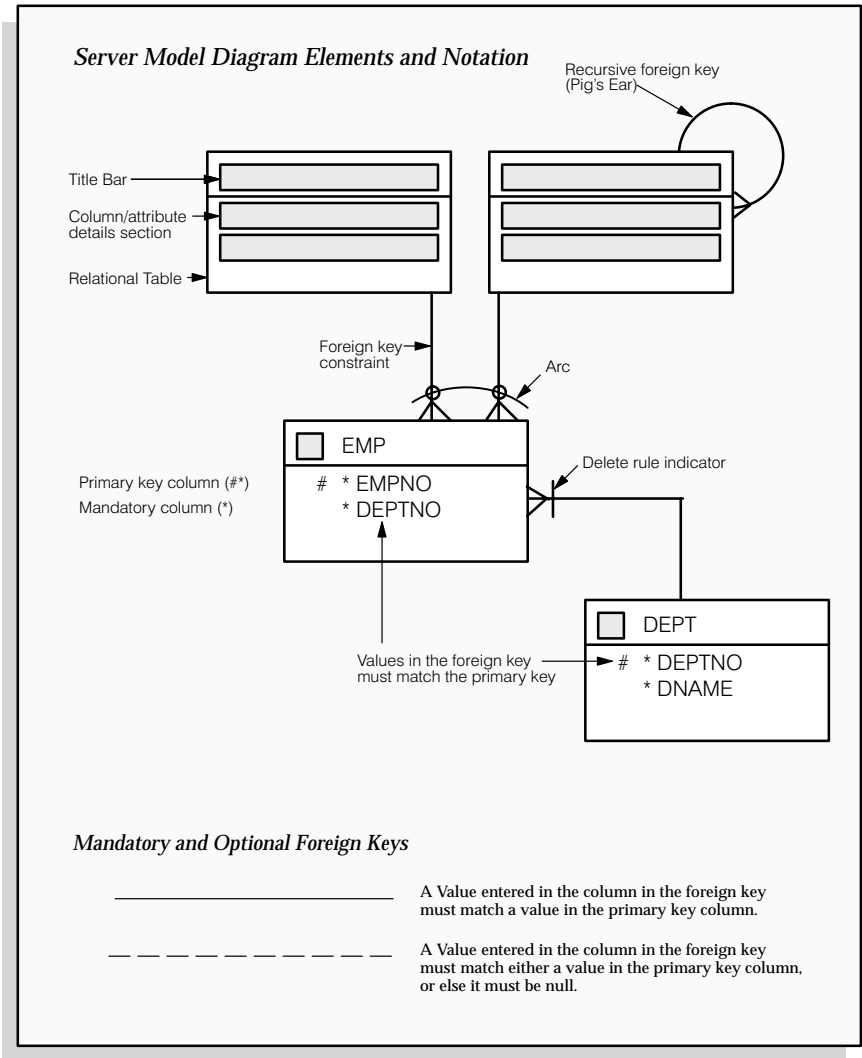
This Summary Database Diagram graphically represents the most important OPM Process Planning tables and the relationships between them. It describes, at a conceptual level, the key information on which OPM depends.

This diagram does not represent the complete database implementation of OPM Process Planning tables. It shows tables that contain key reference and transaction data, and omits tables and relationships that contribute little to the understanding of the OPM 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 OPM Process Planning 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:



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 OPM Process Planning tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each OPM Process Planning building block uses, and how these tables interrelate. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about each of those tables.

This section contains a database diagram for each of the following OPM Process Planning building blocks:

- Diagram 1:Capacity Requirements Planning
- Diagram 2:Forecasting
- Diagram 3:Master Production Scheduling
- Diagram 4:Material Requirement Setup
- Diagram 5:MR Transactions
- Diagram 6:MRP Execution

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.

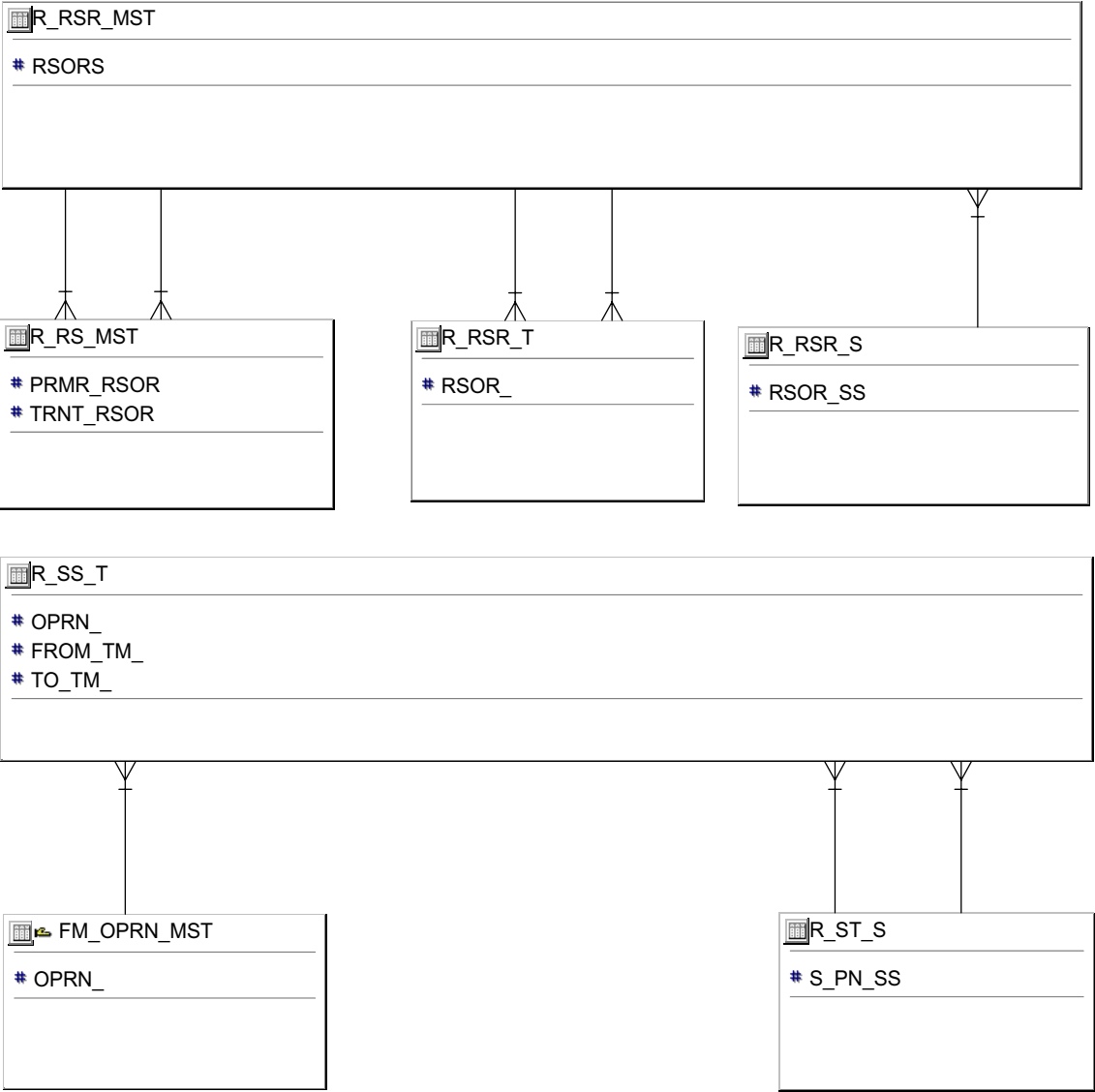
How to Use These Database Diagrams

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

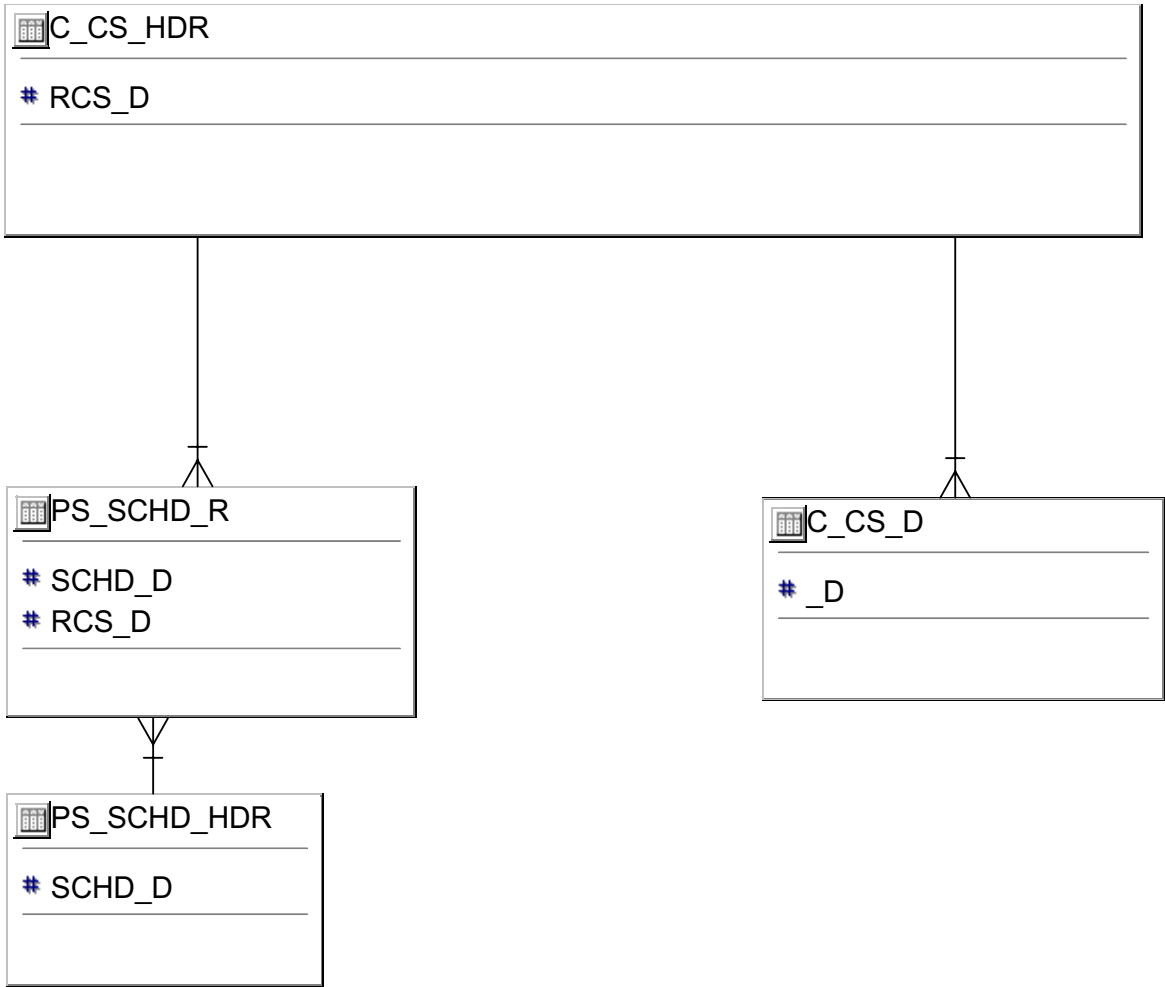
Suppose you want to write a custom application to interface your Oracle Payables application with your non-Oracle purchasing system. You want to see how your Oracle Payables application matches an invoice to a purchase order. You turn to Diagram 3 to see the table structure for the Matching Invoices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

Next, you turn to the Table and View Definitions section in Chapter 2 to learn about the columns in each of these tables and determine which columns are required for matching. Using this information, you write an application that allows your Oracle Payables application to match invoices to purchase orders from your purchasing system.

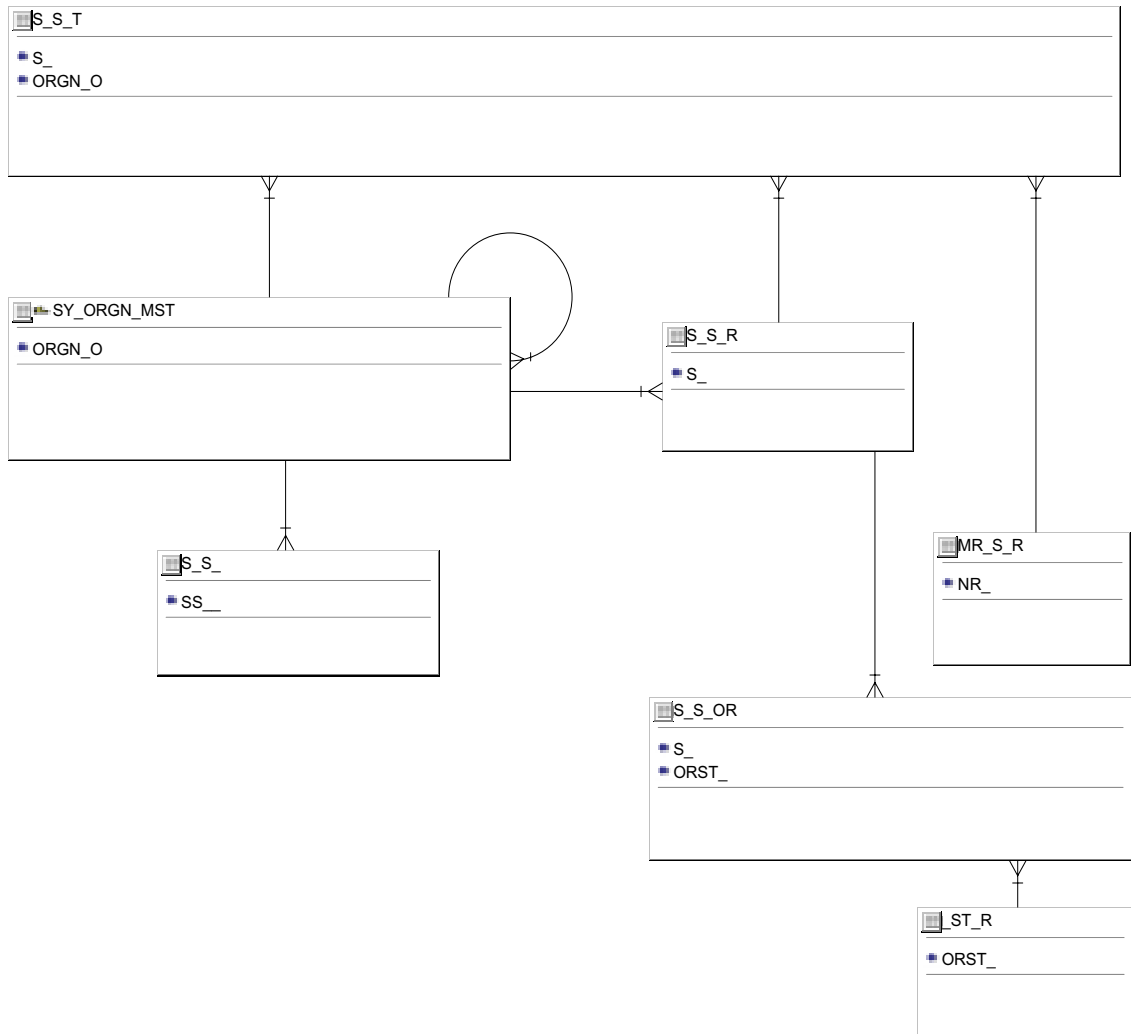
Capacity Requirements Planning



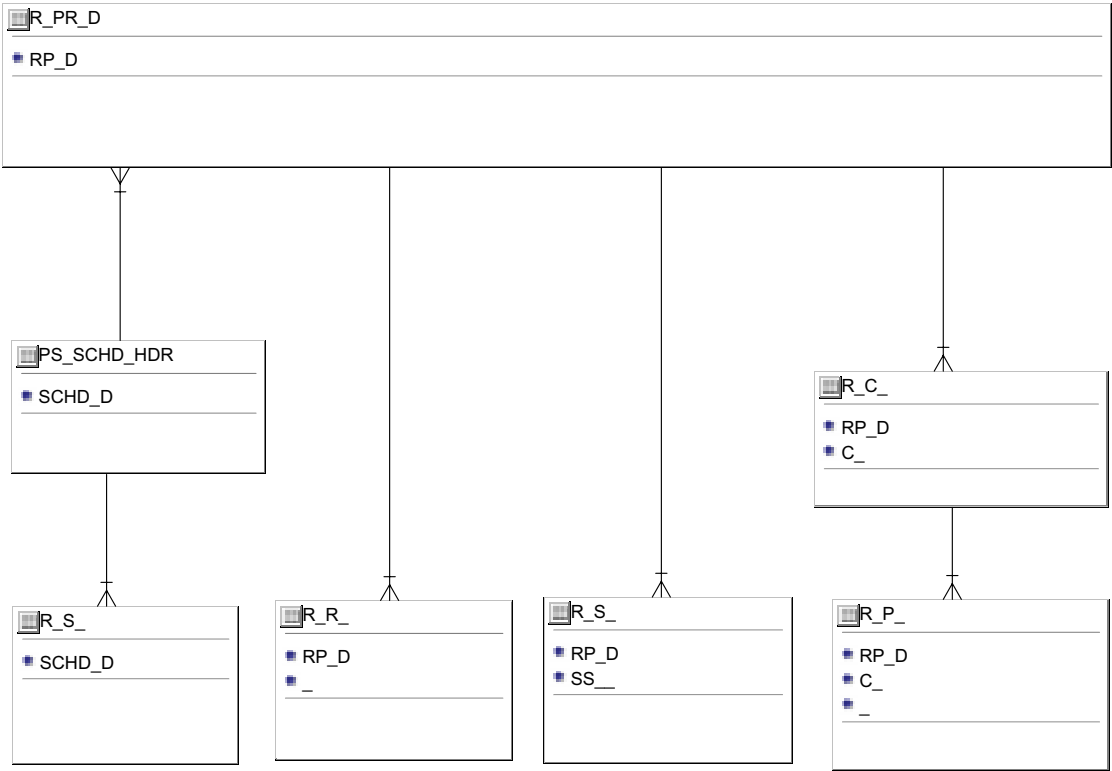
Forecasting



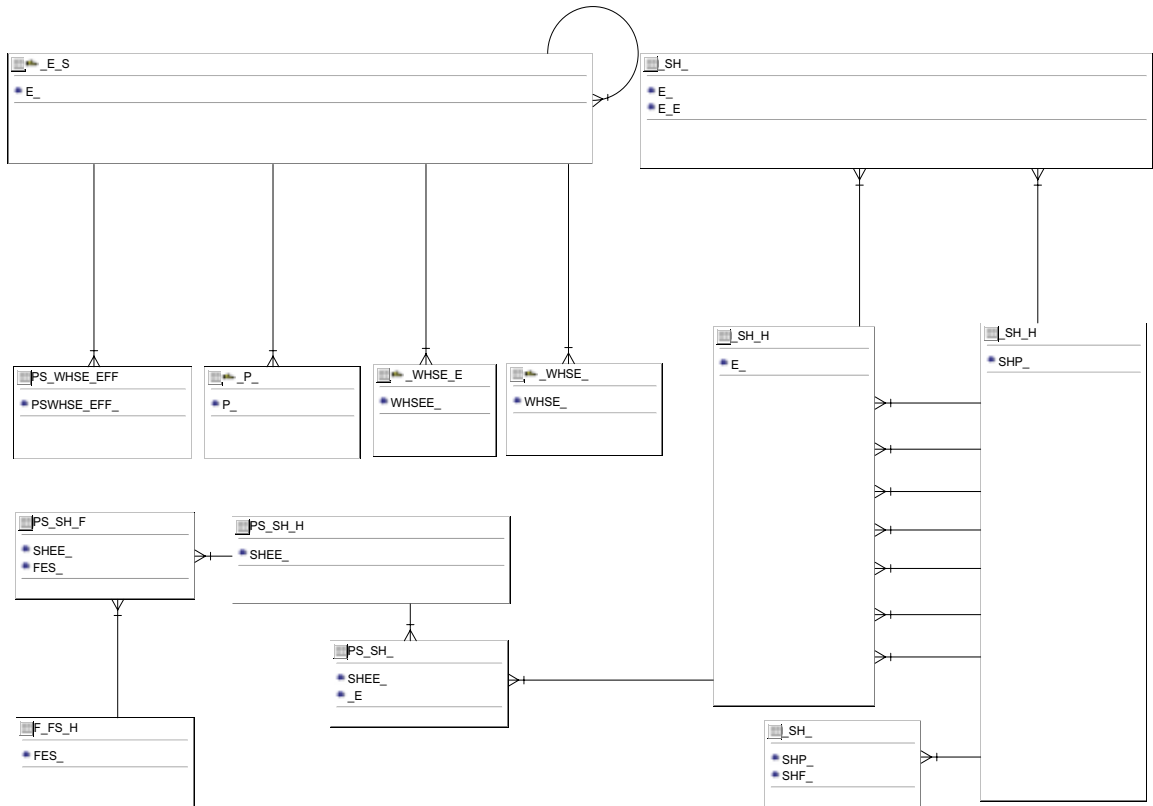
Master Production Scheduling



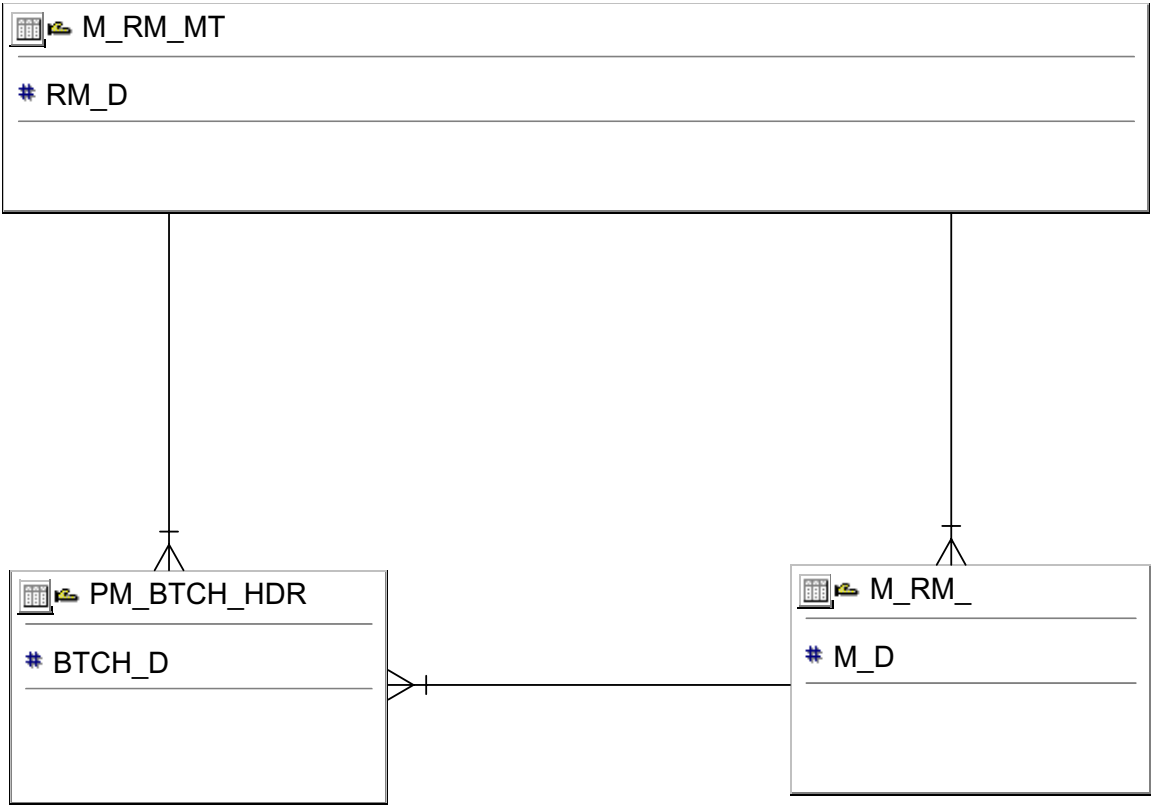
Material Requirement Setup



MR Transactions



MRP Execution



Public Table List

This section lists each public database table that OPM Process Execution uses and provides a brief description of each of those tables.

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.

OPM Process Execution uses the following Public tables:

Table Name	Description
CM_CMPT_MST	Cost Component Master
CR_ARES_MST	Alternate resource table
CR_DOPR_TBL	Demand order priority table. Allows priority to be set on Demand Orders
CR_GLED_CLS	Capacity G/L Class Code Descriptions
CR_RSRC_CLS	Resource class
CR_RSRC_DTL	Plant-specific resource information
CR_RSRC_MST	Resource master
CR_SQDS_TBL	Sequence-dependent setup
CR_SQDT_CLS	Sequence-dependent class
CR_TEXT_HDR	Table used to store text types for Capacity
CR_TEXT_TBL_TL	CR Module Text Lines. Descriptive text for all tables in this module.
FC_FCST_DTL	Forecast detail
FC_FCST_HDR	Forecast header
FC_TEXT_HDR	Table used to store text types for Forecasting.
FC_TEXT_TBL_TL	FC Module Text Lines. Descriptive text for all tables in this module.
FM_FORM_EFF	Formula/routing effectivities. Conditions under which a Formula/Routing can be used
FM_FORM_MST	Formula header table
FM_OPRN_MST	Operation master

Table Name	Description
FM_ROUT_HDR	Routing header
FM_TEXT_HDR	Table used to store text types for Formula Model
FND_USER	Application users
GMP_APS_OUTPUT_TBL	Temp table for APS Output
GMP_FORM_EFF	Formula Effectivity Mapping Table
GMP_ITEM_APS	Item Master Table for APS
GMP_PROCESS_DTL_APS	APS Process Update Detail Table - Currently Not Used
GMP_PROCESS_HDR_APS	APS Process Update Header Table - Currently Not Used
GMP_PROCESS_MSG_APS	APS Process Update Message table - Currently Not Used
GMP_PROCESS_TYP_APS	APS Process Update Type table - Currently Not Used
IC_ITEM_MST	This is the Item definition table. It contains all information relating to an item, such as lot/sublot control, unit of measure information, and all class and type designations.
IC_PLNT_INV	Production rules, by item and plant. These rules are used by MRP and supply defaults for Production Batch creation.
IC_SUMM_INV	Inventory summary table. This table contains inventory summary balances by item/warehouse/grade.
IC_TEXT_HDR	Master table for creation and storage of text codes associated with GMI tables.
IC_TRAN_PND	Pending inventory transactions
IC_WHSE_INV	Warehouse rules
IC_WHSE_MST	Warehouse master.This table contains warehouse definition information.
IC_WHSE_REL	Warehouse transfer rules table. This table contains information on transfers between warehouses, it is used by MRP.
MR_ACTN_TBL	MRP Action messages.
MR_MSG_TBL	MRP Error message log.
MR_PARM_DTL	MRP run parameters.

Table Name	Description
MR_PEGG_TBL	Pegging table. Pegging of demands to the shortage warnings is done.
MR_SHCL_DTL	Shop calendar details.
MR_SHCL_HDR	Shop calendar header.
MR_SHDY_DTL	Shop day detail.
MR_SHDY_HDR	Shop day header.
MR_SIZE_TBL	MRP runs sizing. MRP allocates memory based on max number of rows mentioned in this table. The values are updated when a MRP Run gets rows more than mentioned in this table.
MR_TEXT_HDR	Table used to store text types for MRP.
MR_TEXT_TBL_TL	MR Module Text Lines. Descriptive text for all tables in this module.
MR_TRAN_TBL	MRP transactions.
MR_UBKT_DTL	This table is a 'temporary table' in the sense that data is deleted with each MRP run and there were issues running the reports with PK, therefore it was removed.
OP_BILL_LAD	Header information for a shipment.
OP_CUST_MST	Customer master.x
OP_ORDR_DTL	Order detail (order lines).
OP_ORDR_HDR	Sales Order Header table.
PM_BTCH_HDR	Batch/FPO header.
PM_MATL_DTL	Batch or FPO material details.
PO_BPOS_DTL	Blanket purchase order lines.
PO_BPOS_HDR	Header information for blanket purchase orders.
PO_ORDR_DTL	Purchase order lines.
PO_ORDR_HDR	Purchase order header.
PO_RELS_SCH	Release schedules for a blanket purchase order.
PO_VEND_MST	Vendor master.
PO_VNIT_MST	Vendor Item Table not supported in OPM Purchasing.
PS_MATL_DTL	Temporary data about the report

Table Name	Description
PS_MATL_HDR	Temporary data about the report
PS_OPER_PCL	Associates operator codes and planning classes.
PS_PLNG_CLS	Planning class definitions.
PS_SCHD_DTL	Schedule detail.
PS_SCHD_FOR	Schedule forecast association.
PS_SCHD_HDR	Schedule header.
PS_TEXT_HDR	Table used to store text types for Production Scheduling.
PS_TEXT_TBL_TL	PS Module Text Lines. Descriptive text for all tables in this module.
PS_UBKT_DTL	Table used to store data for the Material Activity Report.
PS_WHSE_EFF	Plant-warehouse relationship (effectivity).
RH_ACTN_TBL	Table storing all the syntaxes for the actions executed during data transfer between OPM and Rhythm
RH_DORD_IMP	Demand order import table. Stores imported details of demand orders. - Currently Not Used
RH_EXPT_DTL	Datils of each export
RH_EXPT_MST	Export Master table
RH_IMPT_DTL	Demand order import details.
RH_IMPT_MST	Import master.
RH_MSG_TBL	Message table for data transfers
RH_MORD_IMP	Manufacturing order import. - Currently Not Used
RH_PARM_TBL	Parameter table for all INSTALLED schedules
RH_PARM_TYP	Master table for storing parameters and their default values. During installation of a schedule the parameters are copied from here.
RH_RSCL_TBL	* NOT USED *
SY_DOCS_MST	Document master.
SY_DOCS_SEQ	Document sequencing by organization.
SY_ORGN_MST	Organization code master.

Table Name	Description
SY_UOMS_MST	Unit of measure master for Oracle Process Manufacturing. Synchronized with MTL_UNITS_OF_MEASURE and associated tables when Oracle Financials is used.

Public View List

This section lists each public database view that OPM Process Planning uses and provides a brief description of each of those views. These views may be useful for your custom reporting or other data requirements.

OPM Process Planning uses the following public views:

View Name	Description
CR_RSRC_DTL_VW1	Not currently used.
CR_RSRC_DTL_VW2	Not currently used.
CR_SQDS_TBL_V	Not currently used.
CR_TEXT_TBL_VL	
FC_TEXT_TBL_VL	
MR_TEXT_TBL_VL	
PS_TEXT_TBL_VL	

Module List

This section lists each form, report and concurrent program comprising OPM Process Execution.

Forms

CRARESED	Alternate Resources Form
CRBTCDB1	Imported Batches
CRCRPED1	Capacity Planner Form
CRDPRED	Demand Order Priorities Form
CRIMPED1	Imports
CRROUED	Reroute Update
CRRSCLED	Resource Classes
CRRSEDED	Plant Resources
CRRSMSED	Resources
CRSCHEDED	Reschedule Update
CRSDCLED	Sequence Dependent Classes
CRSIZED	Resize Update
CRSQDSED	Sequence Dependent Setup
CRSWBED1	SWB/DS Interface
FCFORED1	Forecast
FCFORED2	Forecast Detail
FCSCHED1	Schedule Associations
MRACTDB1	Action Messages
MRCALHD1	Shop Calendar
MRERMSG	Error Messages
MRRUNED1	MRP Run
MRSHDED1	Shop Days
PMBCHED1	Production Batches
PMBCHED2	Batch Ingredients
PMBCHED3	Batch By-Products
PMCRTDB1	Create Batch or Firm Planned Order
PMEFFVW	Production View Effectivities
PMINPDT1	Batch Input

PMISHDB1	Production Inventory Shortage
PMOUTDT1	Batch Output
PMUNIDB1	Unallocated Items
PSACTDB1	Material Activity
PSACTDB2	Bucketed Material
PSEFFED1	Plant Warehouse
PSMRPDB1	MRP Material Activity Inquiry
PSMRPDB2	PSMRPDB2
PSSCHED1	Schedule
RIMR1USF	Print MRP Material Activity
RIMR2USF	Print MRP Bucketed Report
RIPS1USF	Print Material Activity Form
RIPS2USF	Print Bucketed Material Activity

Reports

MRPDEUSR	Reorder Point Report
MRR03	MRP Error Messages Report
RIMR1USR	MRP Material Activity Report
RIMR2USR	MRP Bucketed Material Activity Report
RIMRAUSR	MRP Action Messages Report
RIPS1USR	Material Activity Report
RIPS2USR	Bucketed Material Inquiry Report

Concurrent Programs

GMRRUN	OPM MRP Run
RHYTHM_LOAD_ DATA	OPM CRP Rhythm Data Transfer

Detailed Design

This chapter presents a detailed design for implementing Oracle Process Manufacturing (OPM). 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 OPM that enables you to:

- Convert existing application data
- Integrate OPM 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 OPM 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 OPM Process Planning 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 OPM Process Planning 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 OPM 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 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 OPM Process Planning 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 OPM uses and which columns it does not use, we alert you to any unused column. When no module uses a database column, we show one of the following legends in the Description column:

Not currently used	OPM does not use this column, although the column might be used in a future release.
No longer used	OPM no longer uses this column. AutoInstall installs this column. Subsequent versions of OPM might not include this column.
No longer installed	OPM 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> OPM, you do not have this column.

Standard Who Columns

Most ORACLE PRODUCT applications 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:

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

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

Additional Who Columns for Concurrent Programs

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

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

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

Indexes

If an OPM 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 OPM.

Sequences

OPM 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 OPM 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.

CM_CMPT_MST

Cost Component Master

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_CMPT_GRP	CMPNT_GROUP	CMPNT_GROUP
CM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
COST_CMPNTCLS_ID (PK)	NOT NULL	NUMBER(10)	Surrogate for component class
COST_CMPNTCLS_CODE	NOT NULL	VARCHAR2(16)	Cost component class
COST_CMPNTCLS_DESC	NOT NULL	VARCHAR2(40)	Cost component class description
SORT_SEQUENCE	NOT NULL	NUMBER(10)	Sequence the component costs are sorted by on Cost details screen
USAGE_IND	NOT NULL	NUMBER(5)	Component Usage indicator. 1=material 2=burden(overhead) 3=routing 4=GL expense allocation 5=Standard Cost adjustment
PRIMARY_CMPNTCLS_ID	NOT NULL	NUMBER(10)	Primary cost component class. This field will be used to identify the primary cost component class that this component class is associated with. As a default all component classes are primary unless otherwise specified.
PRODUCT_COST_IND	NOT NULL	NUMBER(5)	This field indicates whether the component class will affect the cost of a product or not. What this means is that the cost Rollup process will ignore the component costs marked as non-product costs. Valid values are: 0 = Not a product cost 1 = will contribute to the product cost. Used by Cost Rollup process only.
UPDATE_COST_IND	NOT NULL	NUMBER(5)	This field indicates whether the component cost will be updated to the GL area. (gl_item_cst, gl_item_dtl) If the cost component class is already defined as a Non-product cost (product_cost_ind =0) then it should not be updated to the GL area. Valid values are: 0 = Do not update to GL area 1 = update to GL area.
CMPNT_GROUP	NULL	VARCHAR2(8)	Component Group this component class belongs to. FK to cm_cmpt_grp.cmpnt_group
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
PPV_IND	NOT NULL	NUMBER(5)	Indicates if PPV calculations should use this component cost or not. 1=include in PPV calculations. 0=Do not include in PPV calculations.

Table and View Definitions

LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
CM_CMPT_MST_PK	UNIQUE	1	COST_CMPNTCLS_ID

Sequences

Sequence	Derived Column
GEM5_COST_CMPNTCLS_ID_S	COST_CMPNTCLS_ID

CR_ARES_MST

Alternate resource table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_RSRC_MST	RESOURCES	PRIMARY_RESOURCE
CR_RSRC_MST	RESOURCES	ALTERNATE_RESOURCE
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
PRIMARY_RESOURCE (PK)	NOT NULL	VARCHAR2(16)	Primary resource
ALTERNATE_RESOURCE (PK)	NOT NULL	VARCHAR2(16)	Resource which can be used in place of primary resource
SETUP_FACTOR	NOT NULL	NUMBER	Factor by which setup time of primary resource must be multiplied when using the alternate resource
RUNTIME_FACTOR	NOT NULL	NUMBER	Factor by which runtime of primary resource must be multiplied when using the alternate resource
POSTOP_FACTOR	NOT NULL	NUMBER	Factor by which postop time of primary resource must be multiplied when using the alternate resource
DELETE_MARK	NOT NULL	NUMBER	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_ARES_MST_PK	UNIQUE	1	PRIMARY_RESOURCE
		2	ALTERNATE_RESOURCE

CR_DOPR_TBL

Demand order priority table. Allows priority to be set on sales orders for prioritization in Rhythm.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
OP_ORDR_DTL	LINE_ID	LINE_ID

Column Descriptions

Name	Null	Type	Description
ORDER_ID	NOT NULL	NUMBER	Surrogate key for a sales order.
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for a sales order line.
PRIORITY	NOT NULL	NUMBER	Priority to be given to the sales order line. The lower the number, higher the priority.
TRANS_CNT	NULL	NUMBER	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_DOPR_TBL_PK	UNIQUE	1	LINE_ID

CR_GLED_CLS

Capacity G/L class code descriptions.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
CRGL_CLASS (PK)	NOT NULL	VARCHAR2(8)	GL Class code.
CRGL_CLASS_DESC	NOT NULL	VARCHAR2(40)	GL class description
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module

Indexes

Index Name	Index Type	Sequence	Column Name
CR_GLED_CLS_PK	UNIQUE	1	CRGL_CLASS

CR_RSRC_CLS

Resource class table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
RESOURCE_CLASS (PK)	NOT NULL	VARCHAR2(8)	Resource class code
RESOURCE_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of the resource class.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_RSRC_CLS_PK	UNIQUE	1	RESOURCE_CLASS

CR_RSRC_DTL

Plant-specific resource information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_RSRC_MST	RESOURCES	RESOURCES
CR_RSRC_MST	RESOURCES	GROUP_RESOURCE
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_UOMS_MST	UM_CODE	USAGE_UM

Column Descriptions

Name	Null	Type	Description
ORGN_CODE	NOT NULL	VARCHAR2(4)	Plant code
RESOURCES	NOT NULL	VARCHAR2(16)	Resource code - from resource master
GROUP_RESOURCE	NOT NULL	VARCHAR2(16)	Resource group - resources can be grouped by this type
ASSIGNED_QTY	NOT NULL	NUMBER	How many of this resource are in this plant.
DAILY_AVAIL_USE	NOT NULL	NUMBER	Number of hours the resource is available in the plant each day.
USAGE_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which daily_avail_use is expressed.
NOMINAL_COST	NOT NULL	NUMBER	Cost of the resource in the plant.
INACTIVE_IND	NOT NULL	NUMBER	Inactive indicator. 0=Active, 1=Inactive.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER	Not currently used
DELETE_MARK	NOT NULL	NUMBER	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
IDEAL_CAPACITY	NOT NULL	NUMBER	Optimum throughput capacity.
MIN_CAPACITY	NOT NULL	NUMBER	Minimum throughput capacity.
MAX_CAPACITY	NOT NULL	NUMBER	Maximum throughput capacity.
CAPACITY_UOM	NOT NULL	VARCHAR2(4)	Unit of measure in which capacity is expressed.
RESOURCE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key

Indexes

Index Name	Index Type	Sequence	Column Name
CR_RSRC_DTL_I1	UNIQUE	1	ORGN_CODE 2RESOURCES
CR_RSRC_DTL_PK	NOT UNIQUE	1	RESOURCE_ID

CR_RSRC_MST

Resource master.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_CMPT_MST	COST_CMPNTCLS_ID	COST_CMPNTCLS_ID
CR_RSRC_CLS	RESOURCE_CLASS	RESOURCE_CLASS
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	STD_USAGE_UM

Column Descriptions

Name	Null	Type	Description
RESOURCES (PK)	NOT NULL	VARCHAR2(16)	Code for the resource.
RESOURCE_DESC	NOT NULL	VARCHAR2(40)	Description of the resource.
STD_USAGE_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which resource usage is expressed.
COST_CMPNTCLS_ID	NOT NULL	NUMBER(10)	Surrogate key of the cost component class which is used for tracking costs.
RESOURCE_CLASS	NULL	VARCHAR2(8)	Resource class to which the resource belongs.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(22)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(22)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_RSRC_MST_PK	UNIQUE	1	RESOURCES

CR_SQDS_TBL

Sequence-dependent setup table. Used to define additional setup time required for an operation when items or sequence-dependent classes are processed in a certain sequence. Used mainly for information only. The table is never used as in a FK relationship so it is not a problem that it doesn't have a Pk.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_SQDT_CLS	SEQ_DPND_CLASS	TO_ITEM_CLASS
CR_SQDT_CLS	SEQ_DPND_CLASS	FROM_ITEM_CLASS
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE
FM_OPRN_MST	OPRN_ID	OPRN_ID
IC_ITEM_MST	ITEM_ID	FROM_ITEM_ID
IC_ITEM_MST	ITEM_ID	TO_ITEM_ID

Column Descriptions

Name	Null	Type	Description
OPRN_ID	NOT NULL	NUMBER	Surrogate key for the operation for which additional setup time is required.
FROM_ITEM_ID	NOT NULL	NUMBER	The first item to be processed in the sequence.
TO_ITEM_ID	NOT NULL	NUMBER	The second item to be processed in the sequence.
FROM_ITEM_CLASS	NOT NULL	VARCHAR2(8)	The first sequence-dependent class to be processed.
TO_ITEM_CLASS	NOT NULL	VARCHAR2(8)	The second sequence-dependent class to be processed.
SETUP_TIME	NOT NULL	NUMBER	The additional setup time required when the second item is taken for processing
TRANS_CNT	NULL	NUMBER	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module

Indexes

Index Name	Index Type	Sequence	Column Name
CR_SQDS_TBL_PK	UNIQUE	1	OPRN_ID
		2	FROM_ITEM_ID
		3	TO_ITEM_ID

CR_SQDT_CLS

Sequence-dependent class table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
SEQ_DPND_CLASS (PK)	NOT NULL	VARCHAR2(8)	Code for the sequence-dependent class.
SEQ_DPND_CLASS_DESC	NOT NULL	VARCHAR2(70)	Description of the sequence-dependent class.
TRANS_CNT	NULL	NUMBER	Not currently used
DELETE_MARK	NOT NULL	NUMBER	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_SQDT_CLS_PK	UNIQUE	1	SEQ_DPND_CLASS

CR_TEXT_HDR

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

CR_TEXT_TBL_TL

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LANG_CODE (PK)	NOT NULL	VARCHAR2(4)	Indicates language used in text.
PARAGRAPH_CODE (PK)	NOT NULL	VARCHAR2(4)	Defined in sy_para_cds.
SUB_PARACODE (PK)	NOT NULL	NUMBER(5)	Defined in sy_para_cds.
LINE_NO (PK)	NOT NULL	NUMBER(5)	Line number which allows multiple lines of descriptive text for underlying record. -1 = line is used to recreate key of underlying record; 1 TEXTNULLVARCHAR2(70) Descriptive text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
CR_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO
		6	LANGUAGE

FC_FCST_DTL

Forecast detail table. Contains items and forecast quantities by organization and warehouse.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FC_FCST_HDR	FORECAST_ID	FORECAST_ID
FC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key identifying the forecast line.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item forecasted.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization for the forecast.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse in which the item demand is forecasted.
FORECAST_ID	NOT NULL	NUMBER(10)	Surrogate key for the forecast.
TRANS_DATE	NOT NULL	DATE	Date on which the demand is forecasted.
TRANS_QTY	NOT NULL	NUMBER	Quantity of the item forecasted.
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FC_FCST_DTL_I1	NOT UNIQUE	1	FORECAST_ID
		2	ITEM_ID
		3	LINE_ID
FC_FCST_DTL_PK	UNIQUE	1	LINE_ID

Sequences

Sequence	Derived Column
GEM5_FCST_DTL_LINE_ID_S	LINE_ID

FC_FCST_HDR

Forecast header.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FC_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
FORECAST_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the forecast.
FORECAST	NOT NULL	VARCHAR2(16)	Name of the forecast.
FORECAST_DESC	NOT NULL	VARCHAR2(40)	Description of the forecast.
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
IN_USE	NULL	NUMBER(10)	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FC_FCST_HDR_PK	UNIQUE	1	FORECAST_ID
FC_FCST_HDR_U1	UNIQUE	1	FORECAST

Sequences

Sequence	Derived Column
GEM5_FORECAST_ID_S	FORECAST_ID

FC_TEXT_HDR

Column Descriptions

Name	Null	Type	Description
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module

Indexes

Index Name	Index Type	Sequence	Column Name
FC_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

FC_TEXT_TBL_TL

Column Descriptions			
Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LANG_CODE (PK)	NOT NULL	VARCHAR2(4)	Indicates language used in text.
PARAGRAPH_CODE (PK)	NOT NULL	VARCHAR2(4)	Defined in sy_para_cds.
SUB_PARACODE (PK)	NOT NULL	NUMBER(5)	Defined in sy_para_cds.
LINE_NO (PK)	NOT NULL	NUMBER(5)	Line number which allows multiple lines of descriptive text for underlying record. -1 = line is used to recreate key of underlying record; 1 TEXTNULLVARCHAR2(70) Descriptive text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes			
Index Name	Index Type	Sequence	Column Name
FC_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO
		6	LANGUAGE

FM_FORM_EFF

Formula/routing effectivities. Conditions under which a formula/routing can be used.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_MST	FORMULA_ID	FORMULA_ID
FM_ROUT_HDR	ROUTING_ID	ROUTING_ID
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_ITEM_MST	ITEM_ID	ITEM_ID
OP_CUST_MST	CUST_ID	CUST_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
FMEFF_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for this effectivity row.
ORGN_CODE	NULL	VARCHAR2(4)	The organization which can use the formula/routing. This is blank if all organizations can use the formula/routing.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item which is produced by the formula.
FORMULA_USE	NOT NULL	NUMBER(5)	The purpose for which the formula/routing can be used. 0=Prod, 1=MRP, 2=Costing, 3=MSDS.
END_DATE	NOT NULL	DATE	The end date of the effectivity.
START_DATE	NOT NULL	DATE	The start date of the effectivity.
INV_MIN_QTY	NOT NULL	NUMBER	The minimum qty for which this effectivity can be used, expressed in the primary UOM of an item.
INV_MAX_QTY	NOT NULL	NUMBER	The maximum qty for which this effectivity can be used, expressed in the primary UOM of an item.
MIN_QTY	NOT NULL	NUMBER	The minimum qty for which this effectivity can be used, expressed in the UOM entered in the item_um column.
MAX_QTY	NOT NULL	NUMBER	The maximum qty for which this effectivity can be used, expressed in the UOM entered in the item_um column.
STD_QTY	NOT NULL	NUMBER	Standard batch size for this rec.
ITEM_UM	NOT NULL	VARCHAR2(4)	UOM for min_qty and max_qty.
PREFERENCE	NOT NULL	NUMBER(5)	Preference indicator used by MRP to select which effectivity to use if more than one meets the requirements. MRP will select the effectivity with the lowest number in this column.
ROUTING_ID	NULL	NUMBER(10)	Surrogate key for the routing/routing version to be used, if any.
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key for the formula /formula version to be used.
CUST_ID	NULL	NUMBER(10)	Surrogate key for the customer for which this effectivity is used, if any.
CREATION_DATE	NOT NULL	DATE	Standard Who column

Table and View Definitions

LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FM_FORM_EFFI1	NOT UNIQUE	1	FORMULA_ID
		2	ORGN_CODE
		3	FORMULA_USE
		4	END_DATE
		5	DELETE_MARK
FM_FORM_EFFI2	NOT UNIQUE	1	ORGN_CODE
		2	ITEM_ID
		3	FORMULA_USE
		4	END_DATE
		5	FMEFF_ID
FM_FORM_EFFI3	NOT UNIQUE	1	FORMULA_ID
FM_FORM_EFFI4	NOT UNIQUE	1	ROUTING_ID
FM_FORM_EFF_PK	UNIQUE	10	FMEFF_ID

Sequences

Sequence	Derived Column
GEM5_FMEFF_ID_S	FMEFF_ID

FM_FORM_MST

Formula header table. Attach attributes to formula as a whole (e.g. classes).

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FMCT_CLS	FMCONTROL_CLASS	FMCONTROL_CLASS
FM_FORM_CLS	FORMULA_CLASS	FORMULA_CLASS
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
FORMULA_ID (PK)	NOT NULL	NUMBER(10)	Surrogate for formula_no + formula_vers.
FORMULA_NO	NOT NULL	VARCHAR2(32)	Alphanumeric formula name or number.
FORMULA_VERS	NOT NULL	NUMBER(4)	Formula version.
FORMULA_TYPE	NOT NULL	NUMBER(5)	0=std formula; 1=packaged item formula (these are not currently used).
SCALE_TYPE	NOT NULL	NUMBER(5)	Controls scaling behavior of formula. 0=Formula cannot be scaled, 1=Formula can be scaled.
FORMULA_DESC1	NULL	VARCHAR2(70)	Formula description.
FORMULA_DESC2	NULL	VARCHAR2(70)	Formula comment.
FORMULA_CLASS	NULL	VARCHAR2(8)	Formula class. No programatic support (fm_form_cls).
FMCONTROL_CLASS	NULL	VARCHAR2(8)	Not currently used. (fn_fmct_cls).
IN_USE	NULL	NUMBER(10)	Not currently used
INACTIVE_IND	NOT NULL	NUMBER(5)	Inactive indicator. 0=Active, 1=Inactive.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FM_FORM_MST_PK	UNIQUE	10	FORMULA_ID
FM_FORM_MST_UC1	UNIQUE	10	FORMULA_NO
		20	FORMULA_VERS

Sequences

Sequence	Derived Column
GEM5_FORMULA_ID_S	FORMULA_ID

FM_OPRN_MST

Operation master. Contains information regarding the entire operation.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_OPRN_CLS	OPRN_CLASS	OPRN_CLASS
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	PROCESS_QTY_UM

Column Descriptions

Name	Null	Type	Description
OPRN_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the operation.
OPRN_NO	NOT NULL	VARCHAR2(16)	Operation name.
OPRN_DESC	NOT NULL	VARCHAR2(40)	Description of the operation.
OPRN_VERS	NULL	NUMBER(5)	Not currently used.
PROCESS_QTY_UM	NOT NULL	VARCHAR2(4)	UOM in which process qty is measured.
OPRN_CLASS	NULL	VARCHAR2(4)	Operation class (for grouping only).
POC_CTL_CLASS	NULL	VARCHAR2(8)	Not currently used.
IN_USE	NULL	NUMBER(10)	Not currently used
INACTIVE_IND	NULL	NUMBER(5)	Not currently used.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
FM_OPRN_MST_PK	UNIQUE	10	OPRN_ID
FM_OPRN_MST_UC1	UNIQUE	10	OPRN_NO

Sequences

Sequence	Derived Column
GEM5_OPRN_ID_S	OPRN_ID

FM_ROUT_HDR

Routing header. Contains information applicable to entire routing.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_ROUT_CLS	ROUTING_CLASS	ROUTING_CLASS
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
ROUTING_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for routing_no+routing_vers.
ROUTING_NO	NOT NULL	VARCHAR2(32)	Routing name.
ROUTING_VERS	NOT NULL	NUMBER(5)	Routing version.
ROUTING_DESC	NOT NULL	VARCHAR2(40)	Routing description.
ROUTING_CLASS	NULL	VARCHAR2(4)	User defined class for routings.
ROUTING_QTY	NOT NULL	NUMBER	Used in ratio with formula and batch qty to scale individual step requirements.
ITEM_UM	NOT NULL	VARCHAR2(4)	Uom of routing qty.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
INACTIVE_IND	NOT NULL	NUMBER(5)	Not currently used.
IN_USE	NULL	NUMBER(10)	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
FM_ROUT_HDR_PK	UNIQUE	10	ROUTING_ID
FM_ROUT_HDR_UC1	UNIQUE	10	ROUTING_NO
		20	ROUTING_VERS

Sequences

Sequence	Derived Column
GEM5_ROUTING_ID_S	ROUTING_ID

FM_TEXT_HDR

Used to store text codes for Formula Management Forms

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FM_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

GMP_APS_OUTPUT_TBL

Column Descriptions

Name	Null	Type	Description
PROCESS_ID	NOT NULL	NUMBER	Data transfer process number (Group_Id)
ITEM_ID	NULL	NUMBER	Item Id for which suggestion is made
ORGANIZATION_CODE	NOT NULL	VARCHAR2(4)	OPM Organization
ORGANIZATION_ID	NOT NULL	NUMBER	Corresponding Apps Orgn Id
BATCH_ID	NULL	NUMBER	APS suggested rescheduling this batch
WAREHOUSE_CODE	NULL	VARCHAR2(4)	OPM Warehouse
EFFECTIVITY_ID	NULL	NUMBER	Suggested effectivity
PLAN_QUANTITY	NULL	NUMBER	Suggested quantity of new batch
PLAN_START_DATE	NULL	DATE	Start date for new batch or rescheduled batch
PLAN_END_DATE	NULL	DATE	End date for new batch or rescheduled batch
ACTION_TYPE	NULL	NUMBER	New or Update
PROCESSED_IND	NULL	NUMBER	Shows if this row has been processed, i.e. the feedback from APS is implemented in OPM, 0=not yet processed, non-zero value = processed
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	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(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_APS_OUTPUT_TBL_I1	NOT UNIQUE	5	ITEM_ID
		10	ORGANIZATION_CODE

GMP_FORM_EFF

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_EFF	FMEFF_ID	FMEFF_ID
FM_FORM_MST	FORMULA_ID	FORMULA_ID
FM_ROUT_HDR	ROUTING_ID	ROUTING_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
SY_ORGN_MST	ORGN_CODE	PLANT_CODE

Column Descriptions

Name	Null	Type	Description
APS_FMEFF_ID (PK)	NOT NULL	NUMBER(10)	Surrogate Key
FMEFF_ID	NOT NULL	NUMBER(10)	Effectivity surrogate key
FORMULA_ID	NOT NULL	NUMBER(10)	Formula surrogate key
ROUTING_ID	NULL	NUMBER(10)	Routing surrogate key
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse code where the effectivity is valid
PLANT_CODE	NOT NULL	VARCHAR2(4)	Plant code where the effectivity is valid
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_FORM_EFF_PK	NOT UNIQUE	1	APS_FMEFF_ID

GMP_ITEM_APS

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_ITEM_MST	ITEM_NO	ITEM_NO
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
SY_ORGN_MST	ORGN_CODE	PLANT_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
ITEM_NO	NOT NULL	VARCHAR2(32)	Item number
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for item number
ITEM_UM	NOT NULL	VARCHAR2(4)	Unit of Measure for the item
UOM_CODE	NOT NULL	VARCHAR2(3)	Aps version of the unit of measure
LOT_CONTROL	NOT NULL	NUMBER(5)	lot control indicator
ITEM_DESC1	NOT NULL	VARCHAR2(70)	Description of the item
APS_ITEM_ID	NOT NULL	NUMBER	Apps surrogate key for the item
ORGANIZATION_ID	NOT NULL	NUMBER	Apps organization surrogate key
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	Warehouse code where the item is located
REPLEN_IND	NOT NULL	NUMBER(5)	Replenishment indicator
CONSUM_IND	NOT NULL	NUMBER(5)	Consumption indicator
PLANT_CODE (PK)	NOT NULL	VARCHAR2(4)	Plant code the item is associated with
CREATION_DATE	NOT NULL	DATE	WHO Column
CREATED_BY	NOT NULL	NUMBER(15)	WHO Column
LAST_UPDATE_DATE	NOT NULL	DATE	WHO Column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	WHO Column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	WHO Column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_ITEM_APS_I1	NOT UNIQUE	1	ITEM_ID
		2	PLANT_CODE
GMP_ITEM_APS_PK	NOT UNIQUE	1	ITEM_ID
		2	WHSE_CODE
		3	PLANT_CODE

GMP_PROCESS_DTL_APS

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GMP_PROCESS_HDR_APS	PROCESS_UPD_ID	PROCESS_UPD_ID
GMP_PROCESS_TYP_APS	PROCESS_UPD_TYPE_ID	PROCESS_UPD_TYPE_ID

Column Descriptions

Name	Null	Type	Description
PROCESS_UPD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for current extract
PROCESS_UPD_TYPE_ID (PK)	NOT NULL	NUMBER(10)	type of data being extracted
PROCESS_UPD_STATUS	NOT NULL	NUMBER(5)	Status of extract 2(stop), 0(pending), 1(run), 2(complete)
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_PROCESS_DTL_APS_PK	NOT UNIQUE	1	PROCESS_UPD_ID
		2	PROCESS_UPD_TYPE_ID

GMP_PROCESS_HDR_APS

Column Descriptions

Name	Null	Type	Description
PROCESS_UPD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate Key
ACTUAL_END_DATE	NULL	DATE	End date for Process
ACTUAL_START_DATE	NULL	DATE	Start for process
QUEUE_NO	NOT NULL	NUMBER	The queue in which the job is to be run
PROCESS_UPD_STATUS	NOT NULL	NUMBER(5)	Status of run 2(stop), 0 (pending), 1 (run), 2(complete)
PROCESS_UPD_BY	NOT NULL	VARCHAR2(4)	user code for who executed the job
BATCH_DATE	NOT NULL	DATE	date the job is to be submitted
GROUP_ID	NULL	NUMBER	apps surrogate key for grouping records
IN_USE	NULL	NUMBER(15)	lock mechanism when process is executing
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_PROCESS_HDR_APS_I1	NOT UNIQUE	1	ACTUAL_END_DATE
GMP_PROCESS_HDR_APS_PK	NOT UNIQUE	1	PROCESS_UPD_ID

GMP_PROCESS_MSG_APS

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GMP_PROCESS_HDR_APS	PROCESS_UPD_ID	PROCESS_UPD_ID

Column Descriptions

Name	Null	Type	Description
PROCESS_UPD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for extract
LINE_NO (PK)	NOT NULL	NUMBER(10)	Line number for message
MESSAGE_CODE	NOT NULL	VARCHAR2(32)	Message code from system messages
PARAMETER1	NULL	VARCHAR2(32)	Parameter 1
PARAMETER2	NULL	VARCHAR2(32)	Parameter 2
PARAMETER3	NULL	VARCHAR2(32)	Parameter 3
PARAMETER4	NULL	VARCHAR2(32)	Parameter 4
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_PROCESS_MSG_APS_PK	NOT UNIQUE	1	PROCESS_UPD_ID
		2	LINE_NO

GMP_PROCESS_TYP_APS

Column Descriptions

Name	Null	Type	Description
PROCESS_UPD_NAME	NOT NULL	VARCHAR2(16)	The logical name for the type of extract
PROCESS_UPD_TYPE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate Key
PROCESS_UPD_DESC	NOT NULL	VARCHAR2(70)	Description
PROCESS_UPD_TYPE	NOT NULL	NUMBER(5)	Number of the type export (1) import (2)
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GMP_PROCESS_TYP_APS_I1	NOT UNIQUE	1	PROCESS_UPD_NAME
GMP_PROCESS_TYP_APS_PK	NOT UNIQUE	1	PROCESS_UPD_TYPE_ID

IC_ITEM_MST

This is the Item definition table. It contains all information relating to an item, such as lot/sublot control, unit of measure information, and all class and type designations.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_SQDT_CLS	SEQ_DPND_CLASS	SEQ_DPND_CLASS
IC_ALLC_CLS	ALLOC_CLASS	ALLOC_CLASS
IC_COMD_CDS	COMMODITY_CODE	COMMODITY_CODE
IC_COST_CLS	ITEMCOST_CLASS	ITEMCOST_CLASS
IC_CTMS_CLS	ICCUSTOMS_CLASS	CUSTOMS_CLASS
IC_FRGT_CLS	ICFRT_CLASS	FRT_CLASS
IC_GLED_CLS	ICGL_CLASS	GL_CLASS
IC_INVN_CLS	ICINV_CLASS	INV_CLASS
IC_INVN_TYP	INV_TYPE	INV_TYPE
IC_ITEM_MST	ITEM_ID	WHSE_ITEM_ID
IC_ITEM_MST	ITEM_ID	BULK_ID
IC_ITEM_MST	ITEM_ID	QCITEM_ID
IC_LOTS_STS	LOT_STATUS	LOT_STATUS
IC_PKGS_MST	PKG_ID	PKG_ID
IC_PRCE_CLS	ICPRICE_CLASS	PRICE_CLASS
IC_PRCH_CLS	ICPURCH_CLASS	PURCH_CLASS
IC_SALE_CLS	ICSALES_CLASS	SALES_CLASS
IC_SHIP_CLS	ICSHIP_CLASS	SHIP_CLASS
IC_STOR_CLS	ICSTORAGE_CLASS	STORAGE_CLASS
IC_TAXN_CLS	ICTAX_CLASS	TAX_CLASS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PS_PLNG_CLS	PLANNING_CLASS	PLANNING_CLASS
QC_ACTN_MST	ACTION_CODE	EXPACTION_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE
QC_HRES_MST	QCHOLD_RES_CODE	QCHOLD_RES_CODE
SY_UOMS_MST	UM_CODE	FILL_UM
SY_UOMS_MST	UM_CODE	ITEM_UM
SY_UOMS_MST	UM_CODE	ITEM_UM2

Column Descriptions

Name	Null	Type	Description
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the item.
ITEM_NO	NOT NULL	VARCHAR2(32)	Name of the item.
ITEM_DESC1	NOT NULL	VARCHAR2(70)	Short description of the item that is displayed during the item look up.
ITEM_DESC2	NULL	VARCHAR2(70)	Short description of the item that is not displayed during the item look up.
ALT_ITEMA	NULL	VARCHAR2(32)	Alternate name for the item.
ALT_ITEMB	NULL	VARCHAR2(32)	Second alternate name for the item.
ITEM_UM	NOT NULL	VARCHAR2(4)	Uom of the item by which the inventory balances

DUALUM_IND	NOT NULL	NUMBER(5)	are maintained. Dual unit of measure indicator. 0=Single UOM control, 1=Fixed relationship dual UOM control, 2=Variable relationship dual UOM control with default conversion displayed, 3= Variable relationship dual UOM control with default conversion not
ITEM_UM2	NULL	VARCHAR2(4)	Second UOM for in which inventory balances are maintained, for dual UOM items.
DEVIATION_LO	NOT NULL	NUMBER	Factor defining the allowable deviation below the standard conversion for dual UOM items w/ dualum_ind=2 or 3.
DEVIATION_HI	NOT NULL	NUMBER	Factor defining the allowable deviation above the standard conversion for dual UOM items w/dualum_ind=2 or 3.
LEVEL_CODE	NULL	NUMBER(5)	Not currently used.
LOT_CTL	NOT NULL	NUMBER(5)	Lot control indicator. 0=Not lot controlled, 1=Lot controlled.
LOT_INDIVISIBLE	NOT NULL	NUMBER(5)	Indivisible indicator. 0=Lots are not indivisible (can be split), 1=Lots are indivisible (cannot be split).
SUBLOT_CTL	NOT NULL	NUMBER(5)	Sublot control indicator. 0=Not subplot controlled, 1=Sublot controlled. Used only if lot_ctl =1.
LOCT_CTL	NOT NULL	NUMBER(5)	Location control indicator. 0=Not location controlled, 1=Location controlled.
NONINV_IND	NOT NULL	NUMBER(5)	Noninventory indicator. 0=Not a noninventory item (inventory balances NONINV_IND = 0, Inventory Item. are maintained), 1=Noninventory item (inventory balances are not = 1, Non-Inventory Item. maintained).
MATCH_TYPE	NOT NULL	NUMBER(5)	Type of invoice matching done. Blank=No matching, 2=Two way matching, 3=Three way matching.
INACTIVE_IND	NOT NULL	NUMBER(5)	Inactive indicator. 0=Active, 1=Inactive.
INV_TYPE	NULL	VARCHAR2(4)	Inventory type. User defined.
SHELF_LIFE	NOT NULL	NUMBER	Shelf life. This number of days is added to lots of grade controlled items to calculate the expiration date.
RETEST_INTERVAL	NOT NULL	NUMBER	Number of days specifying how often grade controlled items should be retested.
GL_CLASS	NULL	VARCHAR2(8)	GL class for an item.
INV_CLASS	NULL	VARCHAR2(8)	Inventory class for an item.
SALES_CLASS	NULL	VARCHAR2(8)	Sales class for an item.
SHIP_CLASS	NULL	VARCHAR2(8)	Ship class for an item.
FRT_CLASS	NULL	VARCHAR2(8)	Freight class for an item.
PRICE_CLASS	NULL	VARCHAR2(8)	Price class for an item.
STORAGE_CLASS	NULL	VARCHAR2(8)	Storage class for an item.
PURCH_CLASS	NULL	VARCHAR2(8)	Purchase class for an item.
TAX_CLASS	NULL	VARCHAR2(8)	Tax class for an item.
CUSTOMS_CLASS	NULL	VARCHAR2(8)	Customs class for an item.
ALLOC_CLASS	NULL	VARCHAR2(8)	Allocation class for an item. Used for auto-allocation.
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class for an item. Used for MPS and MRP reporting.
ITEMCOST_CLASS	NULL	VARCHAR2(8)	Cost class for an item.

COST_MTHD_CODE	NULL	VARCHAR2(4)	Not currently used.
UPC_CODE	NULL	VARCHAR2(16)	Not currently used.
GRADE_CTL	NOT NULL	NUMBER(5)	Grade control indicator. 0=Not grade controlled, 1=Grade controlled.
STATUS_CTL	NOT NULL	NUMBER(5)	Status control indicator. 0=Not status controlled, 1=Status controlled.
QC_GRADE	NULL	VARCHAR2(4)	Default grade, for lots of grade controlled items.
LOT_STATUS	NULL	VARCHAR2(4)	Default status, for lots of status controlled items.
BULK_ID	NULL	NUMBER(10)	Not currently used.
PKG_ID	NULL	NUMBER(10)	Not currently used.
QCITEM_ID	NULL	NUMBER(10)	QC reference item.
QCHOLD_RES_CODE	NULL	VARCHAR2(4)	QC hold reason code.
EXPACTION_CODE	NULL	VARCHAR2(4)	Code for action to take when a lot expires.
FILL_QTY	NOT NULL	NUMBER	Not currently used.
FILL_UM	NULL	VARCHAR2(4)	Not currently used.
EXPACTION_INTERVAL	NOT NULL	NUMBER	Interval between time lot expires and time expaction_code action should be taken.
PHANTOM_TYPE	NOT NULL	NUMBER(5)	Not currently used.
WHSE_ITEM_ID	NOT NULL	NUMBER(10)	For sharing a common ps_whse_eff row.
EXPERIMENTAL_IND	NOT NULL	NUMBER(5)	Experimental indicator. 0=Unrestricted use item (not experimental); 1=Experimental item (cannot be used in FM or PM).
EXPORTED_DATE	NOT NULL	DATE	Date the item was exported to Oracle Financials.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
SEQ_DPND_CLASS	NULL	VARCHAR2(8)	Sequence dependent class.
COMMODITY_CODE	NULL	VARCHAR2(9)	reference code associated with a product class. Used for export/ importing among European countries.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ITEM_ABCCODE	NULL	VARCHAR2(4)	ABC Code for the item.

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ITEM_MST_PK	UNIQUE	10	ITEM_ID
IC_ITEM_MST_UNQ1	UNIQUE	10	ITEM_NO

Sequences

Sequence	Derived Column
GEM5_ITEM_ID_S	ITEM_ID

IC_PLNT_INV

Production rules, by item and plant. These rules are used by MRP and supply defaults for Production Batch creation.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
PLNTINV_ID (PK)	NOT NULL	NUMBER(15)	Primary key for IC_PLNT_INV.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for item for which production rules are defined.
ORGN_CODE	NULL	VARCHAR2(4)	Plant for which production rules are defined.
MIN_QTY	NOT NULL	NUMBER	Minumum quantity that can be produced.
MAX_QTY	NOT NULL	NUMBER	Maximum quantity that can be produced.
STD_QTY	NOT NULL	NUMBER	Standard quantity that is produced.
RULE_TYPE	NOT NULL	NUMBER(5)	Reorder rule. 0=Manual planning, 1=Lot for lot, 2=Economic order quantity.
RESCHEDULE_PERIOD	NOT NULL	NUMBER	Number of days production can be rescheduled.
FIXED_LEADTIME	NOT NULL	NUMBER	Fixed component of leadtime, in hours.
VARIABLE_LEADTIME	NOT NULL	NUMBER	Variable component of leadtime, in hours. This is added for each multiple of the std_qty.
CONTIGUITY_IND	NOT NULL	NUMBER(5)	Contiguity indicator.
INNER_TIMEFENCE	NOT NULL	NUMBER	Inner fence in days. MRP will not make production suggestions within this period.
OUTER_TIMEFENCE	NOT NULL	NUMBER	Outer fence in days. MRP will not make production suggestions after this point.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
IC_PLNT_INV_PK	UNIQUE	10	PLNTINV_ID
IC_PLNT_INV_U1	UNIQUE	10	ITEM_ID
		20	ORGN_CODE

Sequences

Sequence	Derived Column
GEM5_PLNTINV_ID_S	PLNTINV_ID

IC_SUMM_INV

Inventory summary table. This table contains inventory summary balances by item/warehouse/grade.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE

Column Descriptions

Name	Null	Type	Description
SUMM_INV_ID (PK)	NOT NULL	NUMBER(15)	Primary Key for IC_SUMM_INV.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse in which the inventory is located.
QC_GRADE	NULL	VARCHAR2(4)	Grade of the inventory. NULL value denotes that QC Grade does not apply to item.
ONHAND_QTY	NOT NULL	NUMBER	Total nettable qty of this item/grade in this warehouse, expressed in the primary unit of measure of an item.
ONHAND_QTY2	NULL	NUMBER	Total nettable qty of this item/grade in this warehouse, expressed in the secondary unit of measure of an item, if dual UOM controlled.
ONHAND_PROD_QTY	NOT NULL	NUMBER	Total qty available for use as a production ingredient, expressed in the primary UOM of an item.
ONHAND_PROD_QTY2	NULL	NUMBER	Total qty available for use as a production ingredient, expressed in the secondary UOM of an item if dual UOM controlled.
ONHAND_ORDER_QTY	NOT NULL	NUMBER	Total qty available for ordering, expressed in the primary UOM of an item.
ONHAND_ORDER_QTY2	NULL	NUMBER	Total qty available for ordering, expressed in the secondary UOM of an item, if dual UOM controlled.
ONHAND_SHIP_QTY	NOT NULL	NUMBER	Total qty available for shipping, expressed in the primary UOM of an item.
ONHAND_SHIP_QTY2	NULL	NUMBER	Total qty available for shipping, expressed in the secondary UOM of an item, if dual UOM controlled.
ONPURCH_QTY	NOT NULL	NUMBER	Total qty pending from purchase orders, expressed in the primary UOM of an item.
ONPURCH_QTY2	NULL	NUMBER	Total qty pending from purchase orders, expressed in the secondary UOM of an item if dual UOM controlled.
ONPROD_QTY	NOT NULL	NUMBER	Total qty of product pending from production, expressed in the primary UOM of an item.
ONPROD_QTY2	NULL	NUMBER	Total qty of product pending from production, expressed in the secondary UOM of an item.
COMMITTEDSALES_QTY	NOT NULL	NUMBER	Total qty committed to sales orders and shipments, expressed in the primary UOM of an item.
COMMITTEDSALES_QTY2	NULL	NUMBER	Total qty committed to sales orders and ship-

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			ments, expressed in the secondary UOM of an item if dual UOM controlled.
COMMITTEDPROD_QTY	NOT NULL	NUMBER	Total qty of ingredient committed to batches, expressed in the primary UOM of an item.
COMMITTEDPROD_QTY2	NULL	NUMBER	Total qty of ingredient committed to batches, expressed in the secondary UOM of an item if dual UOM controlled.
INTRANSIT_QTY	NOT NULL	NUMBER	Not currently used.
INTRANSIT_QTY2	NULL	NUMBER	Not currently used.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
IC_SUMM_INV_PK	UNIQUE	10	SUMM_INV_ID
IC_SUMM_INV_U1	UNIQUE	10	ITEM_ID
		20	WHSE_CODE
		30	QC_GRADE

Sequences

Sequence	Derived Column
GEM5_SUMM_INV_ID_S	SUMM_INV_ID

IC_TEXT_HDR

Master table for creation and storage of text codes associated with GMI tables.

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
IC_TEXT_HDR_PK	UNIQUE	10	TEXT_CODE

IC_TRAN_PND

Pending inventory transaction table. Note that this table stores all pending transactions as well as many completed transactions.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_LOTS_MST	LOT_ID	LOT_ID ITEM_IDITEM_ID
IC_LOTS_STS	LOT_STATUS	LOT_STATUS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE
SY_DOCS_MST	DOC_TYPE	DOC_TYPE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_ORGN_MST	ORGN_CODE	CO_CODE
SY_REAS_CDS	REASON_CODE	REASON_CODE
SY_UOMS_MST	UM_CODE	TRANS_UM
SY_UOMS_MST	UM_CODE	TRANS_UM2

Column Descriptions

Name	Null	Type	Description
TRANS_ID (PK)	NOT NULL	NUMBER(10)	Unique key for the transaction.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item.
LINE_ID	NOT NULL	NUMBER(10)	Surrogate key for the document line that produced the transaction.
CO_CODE	NOT NULL	VARCHAR2(4)	Company affected by the transaction (company which owns the organization which created the transaction).
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization which created the transaction.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse affected by the transaction.
LOT_ID	NOT NULL	NUMBER(10)	Surrogate key of the lot.
LOCATION	NOT NULL	VARCHAR2(16)	Location affected by the transaction.
DOC_ID	NOT NULL	NUMBER(10)	Surrogate key of the document that created the transaction.
DOC_TYPE	NOT NULL	VARCHAR2(4)	Type of document which created the transaction.
DOC_LINE	NOT NULL	NUMBER(10)	Not currently used.
LINE_TYPE	NOT NULL	NUMBER(5)	Line type.
REASON_CODE	NULL	VARCHAR2(4)	Reason code associated with the transaction.
CREATION_DATE	NOT NULL	DATE	Standard Who column
TRANS_DATE	NOT NULL	DATE	Transaction date.
TRANS_QTY	NOT NULL	NUMBER	Quantity of the transaction in the primary UOM of an item.
TRANS_QTY2	NULL	NUMBER	Quantity of the transaction in the secondary UOM of an item, if dual UOM controlled.
QC_GRADE	NULL	VARCHAR2(4)	Grade associated with the transaction.
LOT_STATUS	NULL	VARCHAR2(4)	Lot status associated with the transaction.
TRANS_STAT	NULL	VARCHAR2(4)	Not currently used.
TRANS_UM	NOT NULL	VARCHAR2(4)	UOM in which trans_qty is expressed.

TRANS_UM2	NULL	VARCHAR2(4)	UOM in which trans_qty2 is expressed.
OP_CODE	NOT NULL	NUMBER(15)	Operator who created the transaction.
COMPLETED_IND	NOT NULL	NUMBER(5)	Completed indicator. 0=Pending transaction, 1=Completed transaction.
STAGED_IND	NOT NULL	NUMBER(5)	Not currently used.
GL_POSTED_IND	NOT NULL	NUMBER(10)	GL posted indicator. 0=Not posted to GL, 1=Posted to GL.
EVENT_ID	NOT NULL	NUMBER(10)	Event ID. This column should an optional column; NULL.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
REVERSE_ID	NULL	NUMBER(10)	Indicator of whether this is a reversing transaction.

Indexes

Index Name	Index Type	Sequence	Column Name
IC_TRAN_PNDI1	NOT UNIQUE	1	ITEM_ID
		2	LOT_ID
		3	WHSE_CODE
		4	LOCATION
IC_TRAN_PNDI2	NOT UNIQUE	1	DOC_TYPE
		2	DOC_ID
		3	LINE_ID
IC_TRAN_PNDI3	NOT UNIQUE	1	LINE_ID
IC_TRAN_PNDI4	NOT UNIQUE	1	ITEM_ID
		2	COMPLETED_IND
		3	DOC_TYPE
		4	WHSE_CODE
IC_TRAN_PND_PK	UNIQUE	10	TRANS_ID

Sequences

Sequence	Derived Column
GEM5_TRANS_ID_S	TRANS_ID
GEM5_LINE_ID_S	LINE_ID

IC_WHSE_INV

Warehouse rules table. Contains item/warehouse rules used by MRP and Physical Inventory.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_CRUL_CLS	COUNT_CLASS	COUNT_CLASS
IC_FRGT_CLS	ICFRT_CLASS	FRT_CLASS
IC_GLED_CLS	ICGL_CLASS	GL_CLASS
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_RANK_MST	ABC_CODE	WHSE_ABCCODE WHSE_CODEWHSE_CODE
IC_SHIP_CLS	ICSHIP_CLASS	SHIP_CLASS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE

Column Descriptions

Name	Null	Type	Description
WHSEINV_ID (PK)	NOT NULL	NUMBER(15)	Used for Warehouse ID rules
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item for which warehouse rules are defined.
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse for which the rules are defined. Contains NULLs, denotes "ALL" condition.
SAFETY_STOCK	NOT NULL	NUMBER	Safety stock of the item in the warehouse. MRP will plan to maintain this stock level.
REORDER_POINT	NOT NULL	NUMBER	If inventory drops below this level, the item will appear on the Reorder Point report.
FIXED_LEADTIME	NOT NULL	NUMBER	Fixed component of leadtime for purchases, in days.
VARIABLE_LEADTIME	NOT NULL	NUMBER	Variable component of leadtime for purchases, in days. This is added for each multiple of the std_qty.
MIN_QTY	NULL	NUMBER	Minimum qty that can be suggested in one MRP purchase suggestion.
MAX_QTY	NULL	NUMBER	Macimum qty that can be suggested in one MRP purchase suggestion.
STD_QTY	NOT NULL	NUMBER	Standard purchase qty.
INNER_TIMEFENCE	NOT NULL	NUMBER	Inner fence in days. MRP will not make purchase suggestions within this period.
OUTER_TIMEFENCE	NOT NULL	NUMBER	Outer fence in days. MRP will not make purchase suggestions after this point.
DAYS_SUPPLY	NOT NULL	NUMBER	When MRP comes to the first net safety stock requirement, it sum all demand out this many days from the day of the safety stock requirement and make suggestions to cover that demand
SCRAP_FACTOR	NOT NULL	NUMBER	Not currently used.
PURCHASE_IND	NOT NULL	NUMBER(5)	Purchase indicator. 0=Item is not purchased, 1=Item is replenished in this warehouse through purchases.
TRANSFER_IND	NOT NULL	NUMBER(5)	Transfer indicator. 0=Item is not transferred, 1=Item is replenished in this warehouse through

PRODUCTION_IND	NOT NULL	NUMBER(5)	warehouse transfers. 0=Item is not produced, 1=Item is replenished in this warehouse through production.
RESCHEDULE_PERIOD	NOT NULL	NUMBER	Number of days purchase orders can be rescheduled.
RULE_TYPE	NOT NULL	NUMBER(5)	Reorder rule for purchases. 0=Manual planning, 1=Lot for lot, 2=Economic order quantity.
WHSE_ABCCODE	NULL	VARCHAR2(4)	ABC code for the item in this warehouse.
CYCLECOUNT_DAYS	NOT NULL	NUMBER(5)	Number of days defining how often the item should be counted in this warehouse for cycle counts.
LASTCOUNT_DATE	NULL	DATE	Last date the item was counted in this warehouse.
COUNT_CLASS	NULL	VARCHAR2(8)	Count class for the item in this warehouse.
GL_CLASS	NULL	VARCHAR2(8)	GL class.
SHIP_CLASS	NULL	VARCHAR2(8)	Ship class.
FRT_CLASS	NULL	VARCHAR2(8)	Freight class.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield

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ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
IC_WHSE_INV_PK	UNIQUE	10	WHSEINV_ID
IC_WHSE_INV_U1	UNIQUE	10	ITEM_ID
		20	WHSE_CODE

Sequences

Sequence	Derived Column
GEM5_WHSEINV_ID_S	WHSEINV_ID

IC_WHSE_MST

Warehouse master. This table contains warehouse definition information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ADDR_MST	ADDR_ID	ADDR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
TX_TLOC_CDS	TAXLOC_CODE	TAXLOC_CODE

Column Descriptions

Name	Null	Type	Description
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	Code for the warehouse.
WHSE_NAME	NOT NULL	VARCHAR2(40)	Name of the warehouse.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization that owns the warehouse.
LOCT_CTL	NOT NULL	NUMBER(5)	Location control indicator. 0=Warehouse is not location controlled, 1=Validated location control, 2=Non-validated location control.
ADDR_ID	NULL	NUMBER(10)	Surrogate key to the address of the warehouse.
CONSIGN_IND	NOT NULL	NUMBER(5)	Consignment indicator. 0=Not a consignment warehouse, 1=Consignment warehouse.
NONNET_IND	NOT NULL	NUMBER(5)	Not currently used.
REGION_CODE	NULL	VARCHAR2(8)	Region code.
WHSE_CLASS	NULL	VARCHAR2(8)	Warehouse class. Not currently validated.
WHSE_CONTACT	NULL	VARCHAR2(40)	Contact person at the warehouse.
WHSE_PHONE	NULL	VARCHAR2(20)	Phone number.
TAXLOC_CODE	NULL	VARCHAR2(10)	Tax location of warehouse.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
INGREDIENT_STAGE	NULL	VARCHAR2(16)	Staging location for ingredients.
PRODUCT_STAGE	NULL	VARCHAR2(16)	Staging location for products.
RECV_STAGE	NULL	VARCHAR2(16)	Staging location for receiving. Acts as default location for receiving allocations.
SHIP_STAGE	NULL	VARCHAR2(16)	Staging location for shipping. Acts as default location for shipment allocations.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield

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ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
IC_WHSE_MST_PK	UNIQUE	10	WHSE_CODE

IC_WHSE_REL

Warehouse transfer rules table. This table contains information on transfers between warehouses, it is used by MRP.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	DEST_WHSE
IC_WHSE_MST	WHSE_CODE	SOURCE_WHSE

Column Descriptions

Name	Null	Type	Description
WHSEREL_ID (PK)	NOT NULL	NUMBER(15)	Surrogate ID for this record
SOURCE_WHSE	NULL	VARCHAR2(4)	Warehouse from which the item is transferred.
DEST_WHSE	NULL	VARCHAR2(4)	Warehouse to which the item is transferred.
ITEM_ID	NULL	NUMBER(10)	Surrogate key for the item transferred.
FIXED_LEADTIME	NOT NULL	NUMBER	Fixed component of transfer leadtime, in days.
VARIABLE_LEADTIME	NOT NULL	NUMBER	Variable component of transfer leadtime, in days. This is added for each multiple of the std_qty.
INNER_TIMEFENCE	NOT NULL	NUMBER	Inner fence in days. MRP will not make transfer suggestions within this period.
OUTER_TIMEFENCE	NOT NULL	NUMBER	Outer fence in days. MRP will not make transfer suggestions after this point.
MIN_QTY	NOT NULL	NUMBER	Minimum qty that can be suggested in one MRP transfer suggestion.
MAX_QTY	NOT NULL	NUMBER	Macimum qty that can be suggested in one MRP transfer suggestion.
STD_QTY	NOT NULL	NUMBER	Standard transfer qty.
RULE_TYPE	NOT NULL	NUMBER(5)	Reorder rule type. 0=Manual planning, 1=Lot for lot, 2=Economic order quantity.
PREFERENCE	NOT NULL	NUMBER(5)	Preference indicator for selecting among different warehouse transfer rules for the item when it is required in the dest_whse.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANSFER_TYPE	NOT NULL	NUMBER(5)	Transfer type. 0=Transfer suggested only if entire required qty available in source_whse, 1=Forced transfer, 2=Partial transfer allowed.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Table and View Definitions

Indexes

Index Name	Index Type	Sequence	Column Name
IC_WHSE_REL_PK	UNIQUE	10	WHSEREL_ID
IC_WHSE_REL_U1	UNIQUE	10	SOURCE_WHSE
		20	DEST_WHSE
		30	ITEM_ID

Sequences

Sequence	Derived Column
GEM5_WHSEREL_ID_S	WHSEREL_ID

MR_ACTN_TBL

Action messages generated by P/MRP.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_MST	FORMULA_ID	FORMULA_ID
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE_2
MR_PARM_DTL	MRP_ID	MRP_ID
SY_DOCS_MST	DOC_TYPE	DOC_TYPE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
MRP_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the MRP run.
ACTION_NO (PK)	NOT NULL	NUMBER(10)	Action number. Unique number generated for each message for this run.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item to which the action message pertains.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse code to which the action message pertains.
EVENT_DATE	NOT NULL	DATE	Date of shortage occurrence in case of warnings; date of replenishment
INVENTORY_DATE	NOT NULL	DATE	Date on which inventory is affected by the action. For shortage, the day on which shortage occurs
DOC_TYPE	NULL	VARCHAR2(4)	Document type. Production=PROD; Purchaseorder=PORD; Firm Planned = FPO; Planned Production=PPRD etc. There are more doc_types. The list of all types is in sy_docs_mst
DOC_ID	NULL	NUMBER(10)	Surrogate key identifying the document to which the action message
MESSAGE_CODE	NOT NULL	VARCHAR2(32)	The code for the action message. Description of the code explains the action required.
FORMULA_ID	NULL	NUMBER(10)	Surrogate key for the formula related to the action message.
MRP_MSG_IND	NOT NULL	NUMBER(5)	Valid message values. 0=warning; 1=transfer; 2=production; 3=purchase.
PROJ_BALANCE_QTY	NOT NULL	NUMBER	Quantity available subsequent to the event referred to by this
ACTION_QTY	NOT NULL	NUMBER	Replenishment quantity in case of recommendations.
WHSE_CODE_2	NULL	VARCHAR2(4)	Contains values only in case of transfer suggestions. Refers to the warehouse to which transfer is suggested.
NET_REQ_ACTION_REF	NOT NULL	NUMBER(10)	Correlates actions to a shortage warning. Contains action_no of suggested action generating requirement for this action
ORGN_CODE	NULL	VARCHAR2(4)	Organization associated with this action message.

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STATUS_IND	NOT NULL	NUMBER(5)	Indicator showing whether PPRD has been converted to a batch or FPO.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_ACTN_TBLI1	UNIQUE	1	MRP_ID
		2	ITEM_ID
		3	WHSE_CODE
		4	EVENT_DATE
		5	ACTION_NO
MR_ACTN_TBL_PK	UNIQUE	1	MRP_ID
		2	ACTION_NO

MR_MESG_TBL

Error message log. Stores the list of error messages generated during the P/MRP run.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_MST	FORMULA_ID	FORMULA_ID
IC_ITEM_MST	ITEM_ID	ITEM_ID2
IC_ITEM_MST	ITEM_ID	ITEM_ID1
IC_WHSE_MST	WHSE_CODE	WHSE_CODE2
IC_WHSE_MST	WHSE_CODE	WHSE_CODE1
MR_PARM_DTL	MRP_ID	MRP_ID
MR_SHCL_HDR	CALENDAR_ID	CALENDAR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
MRP_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the MRP run.
MESSAGE_LINE_NO (PK)	NOT NULL	NUMBER(10)	Unique number generated for each row written into the table for this MRP Run.
MESSAGE_CODE	NOT NULL	VARCHAR2(32)	Code for the error message. The description of this code gives details of the error
SHOPDAY_NO	NULL	VARCHAR2(8)	Number identifying the shop day referred to (if any) in the error message.
CALENDAR_ID	NULL	NUMBER(10)	Surrogate key identifying the calendar referred to (if any) in the error
ITEM_ID1	NULL	NUMBER(10)	Surrogate key identifying the first item referred to in the message
ITEM_ID2	NULL	NUMBER(10)	Surrogate key identifying the second item referred to in the message
WHSE_CODE1	NULL	VARCHAR2(4)	First warehouse referred to in the message text.
WHSE_CODE2	NULL	VARCHAR2(4)	Second warehouse referred to in the message.
REQUIRED_QTY	NULL	NUMBER	The required quantity referred to in the error message.example - Such an error message would be generated for cases where MRP could not plan.
START_DATE	NOT NULL	DATE	Start date referred to in the error message.
FORMULA_ID	NULL	NUMBER(10)	Surrogate key identifying the formula referred to in the message text.
END_DATE	NOT NULL	DATE	End date referred to in the error message.
ORGN_CODE	NULL	VARCHAR2(4)	Organization code referred to in the error message.
LEADTIME	NULL	NUMBER	Lead time referred to in the error message.
ACTION_NO	NULL	NUMBER(10)	Action number - if related to an action message
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Table and View Definitions

REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_MESG_TBLI1	NOT UNIQUE	1	MESSAGE_CODE
MR_MESG_TBL_PK	UNIQUE	1	MRP_ID
		2	MESSAGE_LINE_NO

MR_PARM_DTL

P/MRP run parameters. Used to store information regarding P/MRP runs for a schedule.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_TEXT_HDR	TEXT_CODE	TEXT_CODE
PS_SCHD_HDR	SCHEDULE_ID	SCHEDULE_ID

Column Descriptions

Name	Null	Type	Description
MRP_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key that uniquely identifies each MRP run.
SCHEDULE_ID	NOT NULL	NUMBER(10)	Surrogate id of the schedule for which this MRP run was made.
BATCH_DATE	NOT NULL	DATE	Planned start date on which the run is scheduled.
ACTUAL_START_DATE	NULL	DATE	Date on which the run started.
ACTUAL_END_DATE	NULL	DATE	Date on which the run was completed.
QUEUE_NO	NOT NULL	NUMBER(8)	Queue to which the run was submitted. NOW - immediate , QUEUE = Planned for a future date
RUN_STATUS	NOT NULL	NUMBER(5)	Completion status of run. -2=OS error; -1=DB error; 0=Pending; 1= Run; 2= Completed
DATA_DELETED	NOT NULL	NUMBER(5)	0=Data not deleted; 1=Data deleted.
RUN_BY	NOT NULL	NUMBER(15)	Code of operator who ran MRP.
APPROVED_BY	NULL	NUMBER(15)	Operator who approved the run.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_PARM_DTL_PK	UNIQUE	1	MRP_ID

Sequences

Sequence	Derived Column
GEM5_MRP_ID_S	MRP_ID

MR_PEGG_TBL

Pegging table. Pegging of demands to the shortage warnings is done thru this table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_ACTN_TBL	MRP_ID	MRP_ID ACTION_NO ACTION_NO

Column Descriptions

Name	Null	Type	Description
MRP_ID (PK)	NOT NULL	NUMBER(10)	Key to the MRP run for which the pegging data is stored.
ACTION_NO (PK)	NOT NULL	NUMBER(10)	Reference to shortage warning message created by this transaction.
LINE_NO (PK)	NOT NULL	NUMBER(10)	Reference to transaction that caused the shortage warning.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_PEGG_TBLI0	NOT UNIQUE	1	MRP_ID
		2	ACTION_NO
MR_PEGG_TBL_PK	UNIQUE	1	MRP_ID
		2	ACTION_NO
		3	LINE_NO

MR_SHCL_DTL

Shop calendar details. Contains details of each date in the shop calendar which is used by MRP.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_SHCL_HDR	CALENDAR_ID	CALENDAR_ID
MR_SHDY_HDR	SHOPDAY_NO	SHOPDAY_NO
MR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
CALENDAR_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the calendar for which details are stored.
CALENDAR_DATE (PK)	NOT NULL	DATE	Calendar date.
SECS_SINCE_DAY0	NOT NULL	NUMBER(10)	Seconds elapsed since day 0. Used in calculation of start times for shifts (day)
DAYS_SINCE_DAY0	NOT NULL	NUMBER(10)	Days passed since day 0. Used in calculation of purchase/transfer suggestions
SHOPDAY_NO	NOT NULL	VARCHAR2(8)	Code identifying the shop day for this date.
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_SHCL_DTL_PK	UNIQUE	1	CALENDAR_ID
		2	CALENDAR_DATE

MR_SHCL_HDR

Shop calendar header.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_SHDY_HDR	SHOPDAY_NO	DAY5
MR_SHDY_HDR	SHOPDAY_NO	DAY1
MR_SHDY_HDR	SHOPDAY_NO	DAY2
MR_SHDY_HDR	SHOPDAY_NO	DAY3
MR_SHDY_HDR	SHOPDAY_NO	DAY4
MR_SHDY_HDR	SHOPDAY_NO	DAY6
MR_SHDY_HDR	SHOPDAY_NO	DAY7
MR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
CALENDAR_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the shop calendar.
CALENDAR_NO	NOT NULL	VARCHAR2(16)	Name of the shop calendar.
CALENDAR_DESC	NOT NULL	VARCHAR2(40)	Description of the shop calendar.
ACTIVE_IND	NOT NULL	NUMBER(5)	Whether calendar is active. 0=Inactive; 1=Active.
DAY1	NULL	VARCHAR2(8)	Identifies the default type of shop day for Sundays.
DAY2	NULL	VARCHAR2(8)	Identifies the default type of shop day for Mondays.
DAY3	NULL	VARCHAR2(8)	Identifies the default type of shop day for Tuesdays.
DAY4	NULL	VARCHAR2(8)	Identifies the default type of shop day for Wednesdays.
DAY5	NULL	VARCHAR2(8)	Identifies the default type of shop day for Thursdays.
DAY6	NULL	VARCHAR2(8)	Identifies the default type of shop day for Fridays.
DAY7	NULL	VARCHAR2(8)	Identifies the default type of shop day for Saturdays.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
IN_USE	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	

Indexes

Index Name	Index Type	Sequence	Column Name
MR_SHCL_HDR_PK	UNIQUE	1	CALENDAR_ID

Sequences

Sequence	Derived Column
GEM5_MR_CALENDAR_ID_S	CALENDAR_ID

MR_SHDY_DTL

Shop day detail. Provides details of the shop day.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_SHDY_HDR	SHOPDAY_NO	SHOPDAY_NO
MR_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
SHOPDAY_NO (PK)	NOT NULL	VARCHAR2(8)	Name of the shop day.
SHIFT_NO (PK)	NOT NULL	NUMBER(5)	Shift number in the day.
SHIFT_START	NOT NULL	NUMBER(10)	Shift start time, stored in seconds since mid-night.
SHIFT_DURATION	NOT NULL	NUMBER(10)	Shift duration, stored in seconds.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module

Indexes

Index Name	Index Type	Sequence	Column Name
MR_SHDY_DTL_PK	UNIQUE	1	SHOPDAY_NO
		2	SHIFT_NO

MR_SHDY_HDR

Shop day header.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
SHOPDAY_NO (PK)	NOT NULL	VARCHAR2(8)	Shop day name.
SHOPDAY_DESC	NOT NULL	VARCHAR2(40)	Shop day description.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_SHDY_HDR_PK	UNIQUE	1	SHOPDAY_NO

MR_SIZE_TBL

Sizing table. Stores info about the maximum number of rows required by mrp to run for a schedule. Use for allocating memory to subsequent MRP runs.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PS_SCHD_HDR	SCHEDULE_ID	SCHEDULE_ID

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key identifying the schedule.
MAX_FM_FORM_EFF	NOT NULL	NUMBER(10)	Maximum number of formula effectivity rows selected.
MAX_FM_MATL_DTL	NOT NULL	NUMBER(10)	Maximum number of formula material records selected.
MAX_FORMULA	NOT NULL	NUMBER(10)	Maximum number of formula rows selected.
MAX_IC_PLNT_INV	NOT NULL	NUMBER(10)	Maximum number of production rules rows selected.
MAX_IC_SUMM_INV	NOT NULL	NUMBER(10)	Maximum number of ic_summ_inv rows selected.
MAX_IC_TRAN_PND	NOT NULL	NUMBER(10)	Maximum number of pending transaction rows selected.
MAX_IC_WHSE_INV	NOT NULL	NUMBER(10)	Maximum number of warehouse rules rows selected.
MAX_IC_WHSE_REL	NOT NULL	NUMBER(10)	Maximum number of transfer rule rows selected.
MAX_ITEM	NOT NULL	NUMBER(10)	Maximum number of item rows selected from ic_item_mst.
MAX_MR_SHCL_DTL	NOT NULL	NUMBER(10)	Maximum number of shop calendar detail rows selected.
MAX_MR_SHDY_DTL	NOT NULL	NUMBER(10)	Maximum number of shop day detail rows selected.
MAX_PS_SCHD_DTL	NOT NULL	NUMBER(10)	Maximum number of schedule detail rows selected.
MAX_PS_WHSE_EFF	NOT NULL	NUMBER(10)	Maximum number of warehouse effectivity rows selected.
RESIZE_PERCENT	NOT NULL	NUMBER(10)	Percentage by which memory is resized when a call to central memory resize function is made in code- during MRP Run.
MAX_PO_BPOS_DTL	NOT NULL	NUMBER(10)	Maximum number of blanket purchase order detail rows selected.
MAX_PO_BPOS_HDR	NOT NULL	NUMBER(10)	Maximum number of blanket purchase order header rows selected.
MAX_PO_ORDR_DTL	NOT NULL	NUMBER(10)	Maximum number of purchase order detail rows selected.
MAX_PO_RELS_SCH	NOT NULL	NUMBER(10)	Maximum number of BPO release schedule rows selected.
MAX_PS_SCHD_FOR	NOT NULL	NUMBER(10)	Maximum number of schedule/forecast association rows selected.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column

Table and View Definitions

PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_SIZE_TBL_PK	UNIQUE	1	SCHEDULE_ID

MR_TEXT_HDR

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

MR_TEXT_TBL_TL

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LANG_CODE (PK)	NOT NULL	VARCHAR2(4)	Indicates language used in text.
PARAGRAPH_CODE (PK)	NOT NULL	VARCHAR2(4)	Defined in sy_para_cds.
SUB_PARACODE (PK)	NOT NULL	NUMBER(5)	Defined in sy_para_cds.
LINE_NO (PK)	NOT NULL	NUMBER(5)	Line number which allows multiple lines of descriptive text for underlying record. -1 = line is used to recreate key of underlying record; 1 TEXTNULLVARCHAR2(70) Descriptive text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO
		6	LANGUAGE

MR_TRAN_TBL

MRP transaction table. Scheduled transactions, MRP transactions, and adjusted forecast.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
MR_PARM_DTL	MRP_ID	MRP_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_ORGN_MST	ORGN_CODE	CO_CODE
SY_UOMS_MST	UM_CODE	TRANS_UM

Column Descriptions

Name	Null	Type	Description
MRP_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the MRP run whose transaction are written.
LINE_NO (PK)	NOT NULL	NUMBER(10)	Unique number assigned to each row in this table for this run.
ACTION_NO	NULL	NUMBER(10)	Assigned values only for MRP generated transactions.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key identifying the item for which there is a transaction.
CO_CODE	NULL	VARCHAR2(4)	Company code for the transaction.
ORGN_CODE	NULL	VARCHAR2(4)	Organization code for the transaction.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse code on the transaction.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DOC_TYPE	NOT NULL	VARCHAR2(4)	Code identifying the type of document which created the transaction.
TRANS_DATE	NOT NULL	DATE	Transaction date on which transaction will occur.
TRANS_QTY	NOT NULL	NUMBER	Transaction quantity.
TRANS_UM	NULL	VARCHAR2(4)	Primary UOM of an item.
DOC_ID	NULL	NUMBER(10)	Surrogate key identifying the document which created the transaction.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
MR_TRAN_TBLI1	UNIQUE	1	MRP_ID
		2	LINE_NO

Table and View Definitions

MR_TRAN_TBL_PK	UNIQUE	3	ITEM_ID
		4	WHSE_CODE
		5	TRANS_DATE
		1	MRP_ID
		2	LINE_NO

MR_UBKT_DTL

Column Descriptions

Name	Null	Type	Description
MATL_REP_ID	NOT NULL	NUMBER(10)	Surrogate id for the report
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate id of the item in the report.
DOC_TYPE	NOT NULL	VARCHAR2(4)	Doc type of the transaction/action
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code of the organization under which the transaction falls
DOC_ID	NOT NULL	NUMBER(10)	Surrogate id of the document (if any) for the transaction
DOC_NO	NULL	VARCHAR2(32)	Document number of the document of the transaction (if any)
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class of the item
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse code of the warehouse under which the transaction/action falls
START_BALANCE	NULL	NUMBER	Starting quantity of the item in the warehouse
PAST_DUE	NULL	VARCHAR2(1)	Total past due quantity of the item in that warehouse
TRANS_DATE	NULL	DATE	Date of the transaction
TRANS_QTY	NULL	NUMBER	Quantity of the transaction
BALANCE	NULL	NUMBER	Balance left at the end of that period
CRITICAL_IND	NULL	VARCHAR2(2)	Denotes whether the item has become critical - below safety stock
CUST_VEND	NULL	VARCHAR2(32)	Customer or vendor code

Sequences

Sequence	Derived Column
GEM5_MRP_DOC_ID_S	DOC_ID

OP_BILL_LAD

This table contains header information for a shipment. You can find general information for the organization where the shipment belongs, total shipping weight, and descriptive information concerning this shipment. Shipment lines are maintained in the table OP_ORDR_DTL.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	DEMURRAGE_CURRENCY
OP_PORT_MST	PORT_CODE	EMBARKATION_PORT
OP_PORT_MST	PORT_CODE	DEBARKATION_PORT
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ADDR_MST	ADDR_ID	BOLADDR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_UOMS_MST	UM_CODE	BOL_UM

Column Descriptions

Name	Null	Type	Description
BOL_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id to uniquely identify this shipment.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code to which this shipment belongs. Fk to sy_orgn_mst.
MSTBOL_ID	NOT NULL	NUMBER(10)	For master bills of lading, manifests, etc. (for future use).
BOL_NO	NOT NULL	VARCHAR2(32)	Bill of lading number - unique within an organization.
SHIPPER_CODE	NOT NULL	VARCHAR2(4)	Fk to op_ship_mst.
BOLADDR_ID	NOT NULL	NUMBER(10)	Pointer to address, if modified, contained in sy_addr_mst.
WAYBILL_NO	NULL	VARCHAR2(32)	Waybill number, freeform, unvalidated column.
BOLSHIP_WT	NOT NULL	NUMBER	User-modifiable total shipping weight. Defaults to system-calculated ship weight.
BOL_UM	NOT NULL	VARCHAR2(4)	Bol unit of measure to bol shipping weight. Defaults to system variable shipping wt uom. Fk to sy_uoms_mst.
BOL_TYPE	NOT NULL	NUMBER(5)	For future use - presently only one type of bol. Defaults to 0.
PRINT_COUNT	NOT NULL	NUMBER(5)	Number of times a bol is printed. Incremented by 1 when the bol is printed to a printer.
TRAILER_NO	NULL	VARCHAR2(40)	Carrier trailer number or lock tag id, freeform, unvalidated column.
EMBARKATION_PORT	NULL	VARCHAR2(8)	Port of loading/port of discharge. Fk to op_port_mst.
DEBARKATION_PORT	NULL	VARCHAR2(8)	Port shipment is unloaded/port of entry. Fk to op_port_mst.
REGISTERED_IND	NOT NULL	NUMBER(5)	Indicates if shipment is registered. Not currently used. Defaults to 0.
DROPOFF_TIME	NOT NULL	DATE	For demurrage determination. Date and time of dropoff.

PICKUP_TIME	NOT NULL	DATE	For demurrage determination. Date and time of pickup.
DEMURRAGE_AMT	NOT NULL	NUMBER	Amount of demurrage penalty. Demurrage is the amount charged for detainment of a shipment.
DEMURRAGE_CURRENCY	NULL	VARCHAR2(4)	Currency in which demurrage was charged. Fk to gl_curr_mst.
BOL_COMMENT	NULL	VARCHAR2(70)	Freeform text.
DATE_PRINTED	NOT NULL	DATE	Date that the bill of lading was printed
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
IN_USE	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
EDI_TRANS_COUNT	NOT NULL	NUMBER(5)	Used with advanced ship notice EDI transactions
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Attribute Category for Flexfield attributes

Table and View Definitions

Indexes

Index Name	Index Type	Sequence	Column Name
OP_BILL_LAD_PK	UNIQUE	10	BOL_ID
OP_BILL_LAD_U1	UNIQUE	10	ORGN_CODE
		20	BOL_NO

Sequences

Sequence	Derived Column
GMO_BOL_ID_S	BOL_ID

OP_CUST_MST

This table is the customer master for OPM. All customer information must be entered in Oracle Receivables. A data synchronization program then transfers the information and creates records in this table. There are several fields which are not updated by Oracle Receivables and these may be modified in OPM using the Customer screen. Since information in these fields has no equivalent in Oracle Receivables, the data does not exist in that system. These fields include: CUSTSORT_NO, ALTCUST_NO, TO_WHSE, SPLC_CODE, PRICECUST_NO, CUSTTRADE_CLASS, TEXT_CODE, RESTRICT_TO_CUSTITEMS, LOWEST_PRICE_IND. All other information is taken from similar columns in Oracle Receivables tables.

See the table description for the OPM table OP_CUST_MST_INT for additional information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	CUST_CURRENCY
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_CGLD_CLS	CUSTGL_CLASS	CUSTGL_CLASS
OP_COMMISSION	COMMISSION_CODE	COMMISSION_CODE
OP_CPRC_CLS	CUSTPRICE_CLASS	CUSTPRICE_CLASS
OP_CTRD_CLS	CUSTTRADE_CLASS	CUSTTRADE_CLASS
OP_CUST_CLS	CUST_CLASS	CUST_CLASS
OP_CUST_MST	CUST_ID	PRICECUST_ID
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_LKBX_MST	LOCKBOX_CODE	LOCKBOX_CODE
OP_SLSR_MST	SLSREP_CODE	SLSREP_CODE
OP_TERM_MST	TERMS_CODE	TERMS_CODE
OP_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ADDR_MST	ADDR_ID	ADDR_ID
SY_ADDR_MST	ADDR_ID	MAILADDR_ID
SY_ORGN_MST	ORGN_CODE	CO_CODE
TX_CALC_MST	TAXCALC_CODE	TAXCALC_CODE
TX_TLOC_CDS	TAXLOC_CODE	TAXLOC_CODE

Column Descriptions

Name	Null	Type	Description
CUST_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for customer master record. Surrogate cust_vend in sy_surg_ctl.
CUST_NO	NOT NULL	VARCHAR2(32)	Unique identifier of a customer.
ADDR_ID	NULL	NUMBER(10)	Pointer to address for customer. Fk to sy_addr_mst. For order entry and shipping, this is the

Table and View Definitions

			shipping address.
CUSTSORT_NO	NOT NULL	VARCHAR2(16)	Customer sort number. Used to sort customers for lookups and other purposes. Defaults from customer name. User can override for user-defined sort order.
CUST_NAME	NOT NULL	VARCHAR2(40)	Customer name
PHONE_NO	NULL	VARCHAR2(20)	Customer phone number.
FAX_NO	NULL	VARCHAR2(20)	Customer fax number.
TELEX_NO	NULL	VARCHAR2(20)	Customer telex number.
ALTCUST_NO	NULL	VARCHAR2(32)	Alternate customer number. Not validated, for customer use.
CO_CODE	NULL	VARCHAR2(4)	Company for which the customer number is defined. A NULL value indicates the customer is defined for all companies.
MAILADDR_ID	NULL	NUMBER(10)	Pointer to sy_addr_mst which holds the mailing address. This address is used for invoicing and billing purposes.
TERMS_CODE	NULL	VARCHAR2(4)	Default payment terms code for customer; fk to op_term_mst.
TERMS_VARY	NULL	NUMBER(5)	Indicates if terms code can vary for this customer on an order. 0 means that the terms code can not be changed on an order; 1 means that the terms code can be changed.
FOB_CODE	NULL	VARCHAR2(4)	Default fob code for this customer; fk to op_fobc_mst.
SLSREP_CODE	NULL	VARCHAR2(8)	Default sales rep for this customer; fk to op_slshr_mst.
COMMISSION_CODE	NULL	VARCHAR2(8)	Default commission code for this customer; fk to op_comm_cds. Indicates commission group.
BACKORDER_IND	NOT NULL	NUMBER(5)	Indicates if the customer accepts backorders. Value of 0 means that the customer does not accept backorders (i.e., if the entire order qty can not be shipped, then the remaining qty is not backordered). Value of 1 means that the customer
STMT_IND	NOT NULL	NUMBER(5)	For future use: indicates if the customer is sent a statement. Value of 0 means that the customer is not sent a statement; value of 1 means that the customer is sent a monthly statement.
SVCCHG_IND	NOT NULL	NUMBER(5)	For future use; indicates if the customer is charged a service charge for overdue payments. Value of 0 means that the customer is not charged a service charge; value of 1 means that the customer is charged a service charge for overdue pay
INACTIVE_IND	NOT NULL	NUMBER(5)	Indicates whether a customer is active or not. Value of 0 means that the customer is active; a value of 1 means that the customer is inactive. Defaults to 0.
BILL_IND	NOT NULL	NUMBER(5)	Indicates whether the customer is a bill-to. Value of 0 means that the customer is not a bill-to customer; value of 1 means that the customer is a bill-to customer.
SHIP_IND	NOT NULL	NUMBER(5)	Indicates whether a customer is a ship-to customer. A value of 0 means that the customer is not a ship-to customer; a value of 1 means that the customer is a ship-to customer.
CUST_TYPE	NOT NULL	NUMBER(5)	Designates the type of customer. Valid values are: 0 means "normal" customer 1 means consign-

				ment customer 2 means transfer/interplant customer.
SIC_CODE	NULL	VARCHAR2(8)		Unvalidated field which can hold the u.s. standard industry code.
FROM_WHSE	NULL	VARCHAR2(4)		Default warehouse where shipments will originate for this customer; fk to ic_whse_mst.
TO_WHSE	NULL	VARCHAR2(4)		Default receiving warehouse for this customer. For use with consignment and transfer customers only. Fk to ic_whse_mst.
SPLC_CODE	NULL	VARCHAR2(16)		Unvalidated field which can contain the standard point location code used in the u.s. for freight and shipping purposes.
FRTBILL_MTHD	NULL	VARCHAR2(4)		Default freight bill method for this customer; fk to op_frgt_mth
CREDIT_LIMIT	NOT NULL	NUMBER		Unvalidated field which can contain a credit limit amount. Will be used as an option for order level credit checking; complete credit checking is available by maintaining credit limits in oracle financials and using the gemms-of-a/r integ
PRICECUST_ID	NOT NULL	NUMBER(10)		Contains the customer id of the customer to be used for customer-specific pricing.
CUST_TERRITORY	NULL	VARCHAR2(8)		Customer territory; unvalidated field.
CUST_CURRENCY	NULL	VARCHAR2(4)		Billing currency of the customer; fk to gl_curr_mst.
CUST_CLASS	NULL	VARCHAR2(8)		Customer class, fk to op_cust_cls.
CUSTTRADE_CLASS	NULL	VARCHAR2(8)		Customer trade class; fk to op_ctrd_cls.
CUSTGL_CLASS	NULL	VARCHAR2(8)		Customer gl class used for gl mapping; fk to op_cgld_cls.
TAXLOC_CODE	NULL	VARCHAR2(10)		Tax location code of customer; fk to tx_tloc_cds.
TAXCALC_CODE	NULL	VARCHAR2(4)		Tax calculation code for customer to specify special tax calculation flags for this customer; fk to tx_calc_mst.
OF_CUST_ID	NULL	NUMBER(10)		Surrogate from Oracle Financials identifying the customer.
OF_SHIP_TO_ADDRESS_ID	NULL	NUMBER(10)		Surrogate from Oracle Financials identifying the customer address.
OF_SHIP_TO_SITE_USE_ID	NULL	NUMBER(10)		Surrogate from Oracle Financials identifying the customer location.
OF_BILL_TO_ADDRESS_ID	NULL	NUMBER(10)		Surrogate from Oracle Financials identifying the customer bill to address.
OF_BILL_TO_SITE_USE_ID	NULL	NUMBER(10)		Surrogate from Oracle Financials identifying the customer bill to site use id.
CREATION_DATE	NOT NULL	DATE		Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)		Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE		Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)		Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)		Standard Who column
TRANS_CNT	NULL	NUMBER(10)		Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)		Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)		ID which joins any rows of text in this table to the Text Table for this Module
OPEN_BALANCE	NULL	NUMBER		Contains current open order balance (value of

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			unshipped orders). This amount is updated during order entry and shipping for use in credit checking under oracle financials. Balance is incremented for new open orders and decremented when an
CUSTPRICE_CLASS	NULL	VARCHAR2(8)	Class to group customers for pricing purposes. Used in pricing tables. Fk to op_cpcc_cls.
EMAIL_ADDRESS	NULL	VARCHAR2(70)	Freeform text to store email address for customer.
LOCKBOX_CODE	NULL	VARCHAR2(8)	Default lockbox code where customer remits payment. Fk to op_lkbx_mst.
EDI_FLAG	NOT NULL	NUMBER(5)	For future use; identifies if customer uses edi.
USE_PROFILE	NOT NULL	NUMBER(5)	Indicates if order profile should be used to create orders for customer. Values are: 0 means that order profile is not used automatically when an order is taken for the customer 1 means that the order profile is automatically copied inwh
RESTRICT_TO_CUSTITEMS	NOT NULL	NUMBER(5)	Indicates if customer can order items which are not defined in the customer-item table. Value of 1 means that only items defined in the customer-item table can be ordered by this customer. Value of 0 means that any items canbe ordered b
SOCONFIRM_IND	NOT NULL	NUMBER(5)	Indicates if customer requires a sales order confirmation. Value of 0 means that no confirmation is required; value of 1 means that a sales order confirmation must be sent. Indicator will be used in the future.
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
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ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
LOWEST_PRICE_IND	NULL	NUMBER(5)	Value of 0 (zero) means that normal pricing rules are in effect; value of 1 (one) means that pricing of an order for this customer will select the lowest price from effective pricelists established for this customer.

Indexes

Index Name	Index Type	Sequence	Column Name
OP_CUST_MSTI2	NOT UNIQUE	1	CUSTSORT_NO
		2	CUST_NO
		3	CUST_NAME
		4	DELETE_MARK
		5	INACTIVE_IND
		6	CUST_ID
OP_CUST_MST_PK	UNIQUE	10	CUST_ID
OP_CUST_MST_UC1	UNIQUE	1	CO_CODE
		2	CUST_NO

Sequences

Sequence	Derived Column
GEM5_CUST_ID_S	CUST_ID

OP_ORDR_DTL

This table contains the lines for Orders and Shipments. This is the main detail table in OPM Order Fulfillment.

When an order is entered (or copied from either a profile, existing sales order or blanket order), order line information is obtained from the source (either user, profile, etc.) and shipping and invoicing information is left blank. New order lines contain the ORDER_QTY (and unit of measure and secondary quantity, if applicable). The SHIP_QTY's default to the ORDER_QTY's. When the order line is placed on a shipment, then the corresponding shipping information is completed, such as BOL_ID, BOLLINE_NO, et, and the SHIP_QTY's are updated for the quantity shipped.

If the SHIP_QTY's are less than the ORDER_QTY's, then a backorder is created. A backorder line is inserted as another open order line, with the same ORDER_ID and LINE_NO, but a different LINE_ID. In addition, the BACKORDER_IND is set to 1. The ORDER_QTY's and SHIP_QTY's equal the quantity which was not shipped (still "open"). Also, the BOL_ID, BOLLINE_NO do not exist until the backorder is placed on another shipment. At any point in time, only ONE open (LINE_STATUS = 0) order line will exist for any combination of ORDER_ID and LINE_NO. Once an order line is placed on a shipment, the LINE_STATUS becomes 10 (picked) and after shipment, it becomes 20 (shipped).

Information on the order header (in table OP_ORDR_HDR) is used initially as a default for the order lines. Once an order is saved, each order line becomes, in effect, its own order, with all information used from the line.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	BILLING_CURRENCY
GL_CURR_MST	CURRENCY_CODE	BASE_CURRENCY
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_BILL_LAD	BOL_ID	BOL_ID
OP_COMMISSION	COMMISSION_CODE	COMMISSION_CODE
OP_CUST_CON	CONTACT_ID	CONTACT_ID
OP_CUST_MST	CUST_ID	SHIPCUST_ID
OP_CUST_MST	CUST_ID	CONSIGNEE_ID
OP_CUST_MST	CUST_ID	ULTIMATE_SHIPCUST_ID
OP_CUST_MST	CUST_ID	SOLDTOCUST_ID
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_GNRC_ITM	GENERIC_ID	GENERIC_ID

OP_HOLD_CDS	HOLDREAS_CODE	HOLDREAS_CODE
OP_LKBX_MST	LOCKBOX_CODE	LOCKBOX_CODE
OP_ORDR_HDR	ORDER_ID	ORDER_ID
OP_ORDR_STS_B	ORDER_STATUS	LINE_STATUS
OP_PKGD_ITM	SALESPKG_ID	SALESPKG_ID
OP_PORT_MST	PORT_CODE	EMBARKATION_PORT
OP_PORT_MST	PORT_CODE	DEBARKATION_PORT
OP_PRCE_CDS	PRICEREAS_CODE	PRICEREAS_CODE
OP_PRCE_EFF	PRICEFF_ID	PRICEFF_ID
OP_PRSL_DTL	PRESALES_ORDLINE_ID	PRESALES_ORDLINE_ID
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_SLSR_MST	SLSREP_CODE	SLSREP_CODE
OP_TERM_MST	TERMS_CODE	TERMS_CODE
OP_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE_WANTED
SY_ADDR_MST	ADDR_ID	SHIPADDR_ID
SY_REAS_CDS	REASON_CODE	CHANGEREAS_CODE
SY_UOMS_MST	UM_CODE	PRICE_UM
SY_UOMS_MST	UM_CODE	ORDER_UM1
SY_UOMS_MST	UM_CODE	ORDER_UM2
SY_UOMS_MST	UM_CODE	SHIPWT_UM
SY_UOMS_MST	UM_CODE	SHIPVOLUME_UM

Column Descriptions

Name	Null	Type	Description
PRICE_ID	NULL	NUMBER(10)	The specific item price that was used to arrive at the net_price. fk to op_prce_itm or op_cntr_dtl.
PRICE_SELECTED_IND	NULL	NUMBER(5)	Indicates if user selected price from list of offered pricelists/contracts. 0 means no user selection done; 1 means user selected pricelist.
ORDER_ID	NOT NULL	NUMBER(10)	Reference to order which contains this line; fk to op_ordr_hdr.
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id for table; uniquely identifies each row.
LINE_NO	NOT NULL	NUMBER(5)	Line number assigned by system for this order line.
INVOICE_ID	NULL	NUMBER(10)	Reference to invoice which contains this line. This functionality is no longer supported.
INVOICELINE_NO	NULL	NUMBER(5)	Line number assigned by the system for the invoice; this functionality is no longer supported.
BOL_ID	NULL	NUMBER(10)	Reference to shipment which contains this line; fk to op_bill_lad.
BOLLINE_NO	NULL	NUMBER(5)	Line number assigned by the system for the shipment on which this order line is contained.
RETURN_ID	NULL	NUMBER(10)	Reference to the return; not currently supported; for future use
ITEM_ID	NOT NULL	NUMBER(10)	Ordered item; fk to ic_item_mst.
GENERIC_ID	NULL	NUMBER(10)	Generic or customer item number reference. If 0 then no generic or customer item entered. Fk to

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LINE_DESC	NOT NULL	VARCHAR2(70)	op_gnrc_itm. Description of item ordered; defaults from op_gnrc_itm, op_pkgd_itm or ic_item_mst; user can modify.
SALESPKG_ID	NULL	NUMBER(10)	Packaged item id; fk to op_pkgd_itm.
LINE_COMMENT	NULL	VARCHAR2(70)	Freeform text/comments.
ORDER_QTY1	NOT NULL	NUMBER	Quantity ordered in unit of measure indicated in column order_um1.
ORDER_QTY2	NULL	NUMBER	Quantity ordered in unit of measure indicated in column order_um2. This uom is always equivalent to the item_um2 (from ic_item_mst) of an item. User can edit order_qty2 within tolerances established in ic_item_mst for item.
ORDER_UM1	NOT NULL	VARCHAR2(4)	Order unit of measure. Defaults to item_um1 of an item, but can be modified by user. Fk to sy_uoms_mst.
ORDER_UM2	NULL	VARCHAR2(4)	Second unit of measure. Defaults to item_um2 of an item and can not be changed by user.
SHIPADDR_ID	NULL	NUMBER(10)	Shipping destination. Defaults to addr_id from op_cust_mst for shipcust and can be modified by user.
SHIPCUST_ID	NOT NULL	NUMBER(10)	Default shipping (destination) customer from header. Fk to op_cust_mst. Can be overridden by user.
SHIPPER_CODE	NULL	VARCHAR2(4)	Defaults from header but may be overridden; fk to op_ship_mst.
CONSIGNEE_ID	NULL	NUMBER(10)	Ultimate customer when consignment inventory is shipped to a gemms-managed warehouse; defaults from header; fk to op_cust_mst.
SHIP_MTHD	NULL	VARCHAR2(4)	Defaults from header but can be overridden; fk to op_ship_mth.
TO_WHSE	NULL	VARCHAR2(4)	Destination warehouse for intra-enterprise shipments and consignments; defaults from header and required on interplant or consignment orders; fk to ic_whse_mst.
FROM_WHSE	NULL	VARCHAR2(4)	Shipping warehouse; defaults from header; fk to ic_whse_mst.
FOB_CODE	NULL	VARCHAR2(4)	Defaults from header but may be overridden; fk to op_fobc_mst.
NET_WT	NOT NULL	NUMBER	Weight of item in shipwt_um unit of measure not including shipping container. Calculated by system.
DEBARKATION_PORT	NULL	VARCHAR2(8)	Port of arrival for overseas shipments (where goods are unloaded); fk to op_port_mst.
SOLDTOCUST_ID	NULL	NUMBER(10)	Third-party customer to the sales transaction - may be a buying cooperative, distributor, etc. Defaults from header using customer association, if established
TARE_WT	NOT NULL	NUMBER	Weight of packaging materials for item in shipwt_um unit of measure. Defaults from packaged item, if entered. Can be entered/overridden by user.
PALLET_WT	NOT NULL	NUMBER	Pallet weight for item being shipped in shipwt_um. Defaults from packaged item, if entered, otherwise entered/overridden by user.
FRTBILL_WT	NOT NULL	NUMBER	Freight bill weight equals the net_wt + tare_wt + pallet_wt. In shipwt_um and can be modified by

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			user in shipping. Weight for freight billing purposes.
SHIP_STATUS	NOT NULL	NUMBER(5)	Indicates status of order line re: shipping. Valid values are: 0 - line has not been shipped, 10 - shipment has been picked (shipment created for line), 20 - shipment has been released (shipped).
SHIPWT_UM	NOT NULL	VARCHAR2(4)	Defaults from system variable for ship weight uom. Can not be changed by user. Unit of measure for shipping weights. Fk to sy_uoms_mst.
BASE_PRICE	NOT NULL	NUMBER	Base price retrieved from the pricing tables (from the column base_price) for the item/customer/whse, etc. on this order line. Price is converted to price_um and billing_currency for this line.
NET_PRICE	NOT NULL	NUMBER	Defaults from system_price, but can be overridden by user. This is the price that the user will be charged for this order line. In price_um and billing_currency.
EXTENDED_PRICE	NOT NULL	NUMBER	Total price for line which equals: order_qty1 multiplied by net_price.
PRICE_UM	NOT NULL	VARCHAR2(4)	Unit of measure retrieved from pricing tables. This is the uom in which the price was established in the pricelist and which may have necessitated a conversion of the price to the order_um1. Fk to sy_uoms_mst. This uom corresponds to bo
BILLING_CURRENCY	NOT NULL	VARCHAR2(4)	Currency that customer will be billed and currency that order is denominated. Defaults from header. Fk to gl_curr_mst.
BASE_CURRENCY	NOT NULL	VARCHAR2(4)	Currency of organization identified with order. Defaults from gl_plcy_mst and can not be modified by user.
EXCHANGE_RATE	NOT NULL	NUMBER	Exchange rate between billing_currency and base_currency. Defaults to 1 if the two currencies are the same, otherwise retrieved from gl_xchg_rte.
TERMS_CODE	NOT NULL	VARCHAR2(4)	Code to uniquely identify payment terms
BILL_QTY	NULL	NUMBER	Invoice qty used in previous versions; column is not supported or used.
REQUESTED_SHIPDATE	NOT NULL	DATE	Requested shipping date, defaults from header.
PROMISED_SHIPDATE	NOT NULL	DATE	Promised ship date, defaults from header.
LIST_PRICE	NOT NULL	NUMBER	Price obtained from pricing tables designated as "list prices". Price is converted to order_um1 and billing_currency on this order line.
SCHED_SHIPDATE	NOT NULL	DATE	Scheduled ship date, defaults from header. This date becomes the transaction date for pending inventory transactions for this order line.
ACTUAL_SHIPDATE	NULL	DATE	Actual ship date. Date is required in shipping before a shipment is released.
REQUIRED_DLVDATE	NOT NULL	DATE	Required delivery date, defaults from header. This date can be used to calculate the sched_shipdate.
ACTUAL_DLVDATE	NULL	DATE	Actual delivery date to customer. For future use.
BASE_COST	NULL	NUMBER	Not used.
QC_GRADE_WANTED	NULL	VARCHAR2(4)	Qc grade requested by user for this item. Used

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			to assign lots to this order line during automatic lot allocation, otherwise, a guide to the user for manual allocation. Only applicable for grade-controlled items.
COMPLETED_IND	NOT NULL	NUMBER(5)	Indicates "completed" status of order line. Valid values are: 0 - line has not been shipped; 1 = line has been shipped (released), -1=line has been cancelled.
REPRICE_SHIPMENT	NULL	NUMBER(5)	Indicator to reprice the order line based on the shipped qty (during shipping). A value of 0 means that the line will not be repriced during shipping, a value of 1 means that the line will be repriced during shipping. For future use.
SLSREP_CODE	NULL	VARCHAR2(8)	Defaults from header but may be overridden; fk to op_slsr_mst.
COMMISSION_CODE	NULL	VARCHAR2(8)	Commission code defaulted from header; fk to op_commission. Overrides code in op_ordr_hdr.
NET_COMMISSION	NULL	NUMBER	Net commission. Defaults to 0. For future use. Intended to contain commission calculated for this line.
MUL_DIV_SIGN	NOT NULL	NUMBER(5)	Defaults to 0. Retrieved from gl_xchg_rte table if exchange_rate needs to be retrieved. Indicates if exchange rate is multiplied or divided into billing currency to arrive at base currency. Value of 0 means multiply; value of 1 means divide.
NET_TAX	NOT NULL	NUMBER	Net tax. Defaults to 0. If automatic tax calculation in use, then field contains tax amount calculated for this line.
BACKORDREAS_CODE	NULL	VARCHAR2(4)	Reason code to indicate why a line was backordered. Fk to sy_reas_cds.
BATCH_ID	NULL	NUMBER(10)	Reference to production batch that will fulfill this order line - for future use.
LOCKBOX_CODE	NULL	VARCHAR2(8)	Remit-to lockbox code. Defaults from header.
HOLDREAS_CODE	NOT NULL	VARCHAR2(4)	Defaults from header but may be overridden; hold reason code; fk to op_hold_cds.
HOLD_EXPIRATION	NOT NULL	DATE	Hold expiration date. Date when hold indicated by hold reason code will expire. Defaults to system "max date".
ALLOC_IND	NOT NULL	NUMBER(5)	Indicates if inventory has been allocated for the line. Valid values are: 0 - inventory has either been partially or not allocated to the line; 1 means that the line has been fully allocated.
GL_POSTED_IND	NOT NULL	NUMBER(10)	Indicates if this shipment line has been posted to the mfg controller subsidiary ledger. 0 means that the shipment line has been posted; 1 means that the shipment line has not been posted.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module

CUSTPO_NO	NULL	VARCHAR2(40)	Customer purchase order number; defaults from header.
EXPORTED_DATE	NOT NULL	DATE	Date when the shipment line was exported to oracle financials a/r system for invoicing.
COA_REQUIRED	NULL	NUMBER(5)	Flag to indicate if certificate of analysis is required for this line item. Defaults from header. Value of 0 means that no coa is required; value of 1 means that a coa must be created and sent to customer. For future use.
SYSTEM_PRICE	NOT NULL	NUMBER	The price obtained for this line item from the pricing tables, taking into account, the item, customer, whse, qc grade, price classes and order quantity. Converted to order_um1 and billing_currency on the line.
PRESALES_ORDLINE_ID	NULL	NUMBER(10)	References origin of line, if created from a presales order, i.e., an order profile or blanket order.
PRICEREAS_CODE	NULL	VARCHAR2(4)	Reason code for price change (changing of price to one that is different from the system-generated price). Fk to op_prce_cds.
LINE_STATUS	NOT NULL	NUMBER(5)	Indicates status of line. Fk to op_ordr_status.
PRICEFF_ID	NULL	NUMBER(10)	Reference to price effectivity used to compute system-generated price. Fk to op_prce_eff.
LINE_TYPE	NOT NULL	NUMBER(5)	Not used.
ALLOC_QTY	NOT NULL	NUMBER	Quantity that has been allocated for this line in order_um1.
INVENTORY_QTY	NOT NULL	NUMBER	Order_qty1 converted to item_um1 (the first inventory unit of measure).
BACKORDER_FLAG	NOT NULL	NUMBER(5)	Indicates if this line is a backorder line. Value of 0 means that this is not a backorder line; value of 1 means that this is a backorder line.
IN_USE	NULL	NUMBER(10)	Not currently used
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
SHIP_QTY1	NOT NULL	NUMBER	Quantity shipped on this order line in order_um1 unit of measure. Defaults in order entry to order_qty1 and is updated in shipping to the actual ship quantity.
EMBARKATION_PORT	NULL	VARCHAR2(8)	Port of leave for overseas shipments (port where goods are loaded). Defaults from header; fk to op_port_mst.
SHIP_QTY2	NULL	NUMBER	Quantity shipped in order_um2 unit of measure. Defaults in order entry to order_qty2 and is updated in shipping to the actual ship quantity.
SHIP_VOLUME	NOT NULL	NUMBER	Volume computed by system using order_qty1 and converting it to shipvolume_um unit of measure or by using defaults established for the packaged item. This value can not be updated by the user in shipping or oe.
ULTIMATE_SHIPCUST_ID	NULL	NUMBER(10)	Ultimate shipping (destination) customer when shipcust is a freight forwarder or distribution center; defaults from header; fk to op_cust_mst.
CONTACT_ID	NULL	NUMBER(10)	Surrogate from customer contact table. Contact for order line, defaults from header and can be changed for a line.
MINSHIP_PCT	NOT NULL	NUMBER	Minimum percentage below the order qty that is required to ship to the customer and close the order line. This number defaults from either the order profile, blanket order or customer-item table and can not be modified by the user. Store
SHIPVOLUME_UM	NOT NULL	VARCHAR2(4)	Defaults from system variable for shipvolume_um. Unit of measure for shipping volume; can not be changed by user. Fk to sy_uoms_mst.
FRTBILL_MTHD	NULL	VARCHAR2(4)	Defaults from header but may be overridden; fk to op_frgt_mth.
MAXSHIP_PCT	NOT NULL	NUMBER	Maximum percentage over the order qty that can be shipped to the customer. This number defaults from either the order profile, blanket order or customer-item tables and can not be changed by the user. Stored as decimal.
NET_FREIGHT	NULL	NUMBER	Net freight amount; not currently used. Intended to contain the amount of freight billed/allocated for this line.

FRT_COST	NULL	NUMBER	For future use
CHANGEREAS_CODE	NULL	VARCHAR2(4)	Reason code for line changes; fk to sy_reas_cds

Indexes

Index Name	Index Type	Sequence	Column Name
OP_ORDR_DTLI1	NOT UNIQUE	1	BOL_ID
OP_ORDR_DTLI2	NOT UNIQUE	1	ORDER_ID
OP_ORDR_DTLI3	NOT UNIQUE	1	SHIPCUST_ID
OP_ORDR_DTLI4	NOT UNIQUE	1	ORDER_ID
		2	LINE_NO
OP_ORDR_DTL_PK	UNIQUE	10	LINE_ID
OP_ORDR_DTL_UK	UNIQUE	10	ORDER_ID
		20	LINE_ID

OP_ORDR_HDR

This table is the Sales Order Header table and contains default information for the order. The only data which does not exist on each order line is the BILLCUST_ID, ORDER_DATE and ORDER_TYPE. There is only one Bill-To customer for an order. Most of the remaining information is contained on each sales order line. The ORDER_TYPE controls the processing of the order and is used to designate different types of orders for various purposes.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	BILLING_CURRENCY
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_COMMISSION	COMMISSION_CODE	COMMISSION_CODE
OP_CUST_CON	CONTACT_ID	CONTACT_ID
OP_CUST_MST	CUST_ID	SOLDTOCUST_ID
OP_CUST_MST	CUST_ID	CONSIGNEE_ID
OP_CUST_MST	CUST_ID	BILLCUST_ID
OP_CUST_MST	CUST_ID	SHIPCUST_ID
OP_CUST_MST	CUST_ID	ULTIMATE_SHIPCUST_ID
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_HOLD_CDS	HOLDREAS_CODE	HOLDREAS_CODE
OP_LKBX_MST	LOCKBOX_CODE	LOCKBOX_CODE
OP_ORDR_STS_B	ORDER_STATUS	ORDER_STATUS
OP_ORDR_TYP_B	ORDER_TYPE	ORDER_TYPE
OP_PORT_MST	PORT_CODE	EMBARKATION_PORT
OP_PORT_MST	PORT_CODE	DEBARKATION_PORT
OP_PRSL_HDR	PRESALES_ORD_ID	PRESALES_ORD_ID
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_SLSR_MST	SLSREP_CODE	SLSREP_CODE
OP_TERM_MST	TERMS_CODE	TERMS_CODE
OP_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ADDR_MST	ADDR_ID	SHIPADDR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_REAS_CDS	REASON_CODE	CHANGEREAS_CODE

Column Descriptions

Name	Null	Type	Description
ORDER_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for order. Alternate primary key is orgn_code + order_no + release_no + order_type
ORDER_TYPE	NOT NULL	NUMBER(5)	Order type; fk to op_ordr_type
IN_USE	NULL	NUMBER(10)	Not currently used
DEBARKATION_PORT	NULL	VARCHAR2(8)	Port of entry/port shipment is unloaded; fk to op_port_mst.

BILLCUST_ID	NOT NULL	NUMBER(10)	Default third party to be invoiced; fk to op_cust_mst.
SHIPCUST_ID	NOT NULL	NUMBER(10)	Default shipping (destination) customer; fk to op_cust_mst.
SHIPADDR_ID	NULL	NUMBER(10)	Shipping destination; defaults from op_cust_mst.addr_id for shipcust_id of this record; fk to sy_addr_mst.
SHIPPER_CODE	NULL	VARCHAR2(4)	Fk to op_ship_mst; sets defaults for lines.
SOLDTOCUST_ID	NULL	NUMBER(10)	Third-party customer to the sales transaction. Defaults from customer association, if established.
CUSTPO_NO	NULL	VARCHAR2(40)	Customer purchase order number
CONTACT_ID	NULL	NUMBER(10)	Customer contact reference. Fk to op_cust_con.
SLSREP_CODE	NULL	VARCHAR2(8)	Fk to op_slr_mst. Sales rep for order. Sets defaults for lines.
COMMISSION_CODE	NULL	VARCHAR2(8)	Fk to op_commission Commission code default.
BILLING_CURRENCY	NOT NULL	VARCHAR2(4)	Currency that customer is billed in and currency of order. Fk to gl_curr_mst.
FROM_WHSE	NULL	VARCHAR2(4)	Shipping warehouse; fk to ic_whse_mst.
TO_WHSE	NULL	VARCHAR2(4)	Destination warehouse for intra-enterprise shipments and consignments. Fk to ic_whse_mst.
FOB_CODE	NULL	VARCHAR2(4)	Fk to op_fobc_mst. Free-on-board code default.
TERMS_CODE	NULL	VARCHAR2(4)	Payment terms code; fk to op_term_mst.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code; all sales orders are organization specific; fk to sy_orgn_mst.
ORDER_COMMENT	NULL	VARCHAR2(70)	Freeform text/comments.
COMPLETED_IND	NOT NULL	NUMBER(5)	Indicates "completed" status of order; valid values are: 0 means that order is open and has not been completely shipped; 1 means that the order has been completely shipped; -1 means that the order has been cancelled.
REGISTERED_IND	NULL	NUMBER(5)	Registered indicator - not currently used.
PRINT_COUNT	NOT NULL	NUMBER(5)	Print count is incremented when sales order confirmation is printed to a printer. Shows number of times that this report has been printed for the order.
LOCKBOX_CODE	NULL	VARCHAR2(8)	Remit-to lockbox; not modified in sales order, but carried through to invoicing. Fk to op_lkbx_mst.
ORDER_STATUS	NOT NULL	NUMBER(5)	Status of order. Fk to op_ordr_status.
COA_REQUIRED	NULL	NUMBER(5)	Indicates if certificate of analysis is required for order. Value of 0 means that no coa is required; value of 1 means that coa is required; defaults to 0. Sets defaults for lines. For future use.
DATE_PRINTED	NULL	DATE	Contains last date that the sales order confirmation was printed.
ORDER_NO	NOT NULL	VARCHAR2(32)	Order number assigned by either system or user. Unique within an organization.
HOLDREAS_CODE	NOT NULL	VARCHAR2(4)	Hold reason code default; fk to op_hold_cds.
EMBARKATION_PORT	NULL	VARCHAR2(8)	Port of loading/port of discharge for shipments; fk to op_port_mst.
HOLD_EXPIRATION	NOT NULL	DATE	Hold expiration date; defaults to system maximum date and can be modified by user.
ORDER_DATE	NOT NULL	DATE	Date that order was placed.

Table and View Definitions

REQUESTED_SHIPDATE	NOT NULL	DATE	Date requested for shipment. Default for order lines.
PROMISED_SHIPDATE	NOT NULL	DATE	Promised ship date. Default for all order lines.
SCHED_SHIPDATE	NOT NULL	DATE	Scheduled ship date. Default for all order lines. Date used as transaction date for pending inventory transactions for the order (unless changed on one or more order lines).
REQUIRED_DLVDATE	NOT NULL	DATE	Required delivery date. Date required by customer. Default for all order lines. Date can be used to calculate scheduled ship date.
RELEASE_NO	NULL	NUMBER(5)	Release number (for future use).
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Logical delete. 0 means active record; 1 means "deleted".
PRESALES_ORD_ID	NULL	NUMBER(10)	Link to origin of sales order if created from a presales order, i.e., an order profile or blanket order.
TOTAL_OPEN_AMOUNT	NOT NULL	NUMBER	Total unshipped amount of the order. Updated by order entry and shipping. For a new order, this total equals the total order amount. As lines are shipped, they are decremented from this total. Field used for credit checking with Oracle AR.
SOURCE_IND	NULL	NUMBER(5)	Indicates the source of the order. Normal value is 0, however, if order originates from a Blanket Sales Order, then the value of this column is 2. If the order originates from an EDI Inbound PO, then the value is 3.
EDI_TRANS_COUNT	NULL	NUMBER(5)	For future use with EDI orders
CONSIGNEE_ID	NULL	NUMBER(10)	Ultimate customer when consignment inventory is shipped to a gemms-managed warehouse.
ULTIMATE_SHIPCUST_ID	NULL	NUMBER(10)	Ultimate shipping (destination) customer when shipcust is a freight forwarder or distribution center; fk to op_cust_mst.
SHIP_MTHD	NULL	VARCHAR2(4)	Fk to op_ship_mth; sets defaults for lines.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
CHANGEREAS_CODE	NULL	VARCHAR2(4)	Reason code for changes to an order; fk to sy_reas_cds.
FRTBILL_MTHD	NULL	VARCHAR2(4)	Freight bill method default; fk to op_frgt_mth.

Indexes

Index Name	Index Type	Sequence	Column Name
OP_ORDR_HDR_I1	NOT UNIQUE	5	ORDER_NO
OP_ORDR_HDR_PK	UNIQUE	10	ORDER_ID
OP_ORDR_HDR_U1	UNIQUE	10	ORDER_TYPE
		20	ORGN_CODE
		30	ORDER_NO
		40	RELEASE_NO

Sequences

Sequence	Derived Column
GMO_ORDER_ID_S	ORDER_ID

PM_BTCH_HDR

Batch/FPO header. This table stores the header information for both Firm Planned Orders (FPO's) and Batches, including the plant, the effectivity, formula, and routing on which the batch was based, and the planned and actual start and completion dates.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_EFF	FMEFF_ID	FMEFF_ID
FM_FORM_MST	FORMULA_ID	FORMULA_ID
FM_ROUT_HDR	ROUTING_ID	ROUTING_ID
IC_WHSE_MST	WHSE_CODE	WIP_WHSE_CODE
PM_MATL_DTL	LINE_ID	PARENTLINE_ID
PM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	PLANT_CODE

Column Descriptions

Name	Null	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to FPO or batch.
PLANT_CODE	NOT NULL	VARCHAR2(4)	Production organization in which the batch or FPO is/was/will be run.
BATCH_NO	NOT NULL	VARCHAR2(32)	Batch or FPO number.
BATCH_TYPE	NOT NULL	NUMBER(5)	Differentiates between Firm Planned Order(10) and batches (0).
PROD_ID	NULL	NUMBER(10)	Reserved for future use. Used for tying multiple batches to a campaign/prod ord. When used, validate against PM_PROD_MST.
PROD_SEQUENCE	NOT NULL	NUMBER(5)	Reserved for future use. Batch sequence in campaign/prod order.
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key to formula on which batch or FPO is based.
ROUTING_ID	NULL	NUMBER(10)	Surrogate key to routing used.
PLAN_START_DATE	NOT NULL	DATE	Planned release date/time for batch.
ACTUAL_START_DATE	NULL	DATE	Actual start date/time for batch.
DUE_DATE	NOT NULL	DATE	Required batch completion date/time, notational.
EXPCT_CMPLT_DATE	NOT NULL	DATE	Planned batch completion date/time.
ACTUAL_CMPLT_DATE	NULL	DATE	Actual completion date.
BATCH_STATUS	NOT NULL	NUMBER(5)	Batch or FPO status. -3=Converted FPO, -1=Cancelled,1=Pending; 2=WIP; 3=Certified; 4=Closed.
PRIORITY_VALUE	NOT NULL	NUMBER	Not currently used.
PRIORITY_CODE	NOT NULL	VARCHAR2(4)	Not currently used.
PRINT_COUNT	NOT NULL	NUMBER(5)	Number of times batch ticket was printed.
IN_USE	NULL	NUMBER(10)	Not currently used
FMEFF_ID	NOT NULL	NUMBER(10)	Surrogate key to the formula effectivity the batch or FPO was based on.
FMCONTROL_CLASS	NULL	VARCHAR2(8)	Not currently used.
WIP_WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse used to cost production activity.
BATCH_CLOSE_DATE	NULL	DATE	Date/time the batch was closed.

LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
PARENTLINE_ID	NULL	NUMBER(10)	For phantom batches. Surrogate key to the batch ingredient line for which this phantom batch produces product.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PM_BTCH_HDRI2	NOT UNIQUE	1	PLANT_CODE
		2	BATCH_STATUS
		3	BATCH_NO
PM_BTCH_HDRI3	NOT UNIQUE	1	PARENTLINE_ID

Table and View Definitions

PM_BTCH_HDR_PK	UNIQUE	10	BATCH_ID
PM_BTCH_HDR_U1	UNIQUE	10	PLANT_CODE
		20	BATCH_NO
		30	BATCH_TYPE

Sequences

Sequence	Derived Column
GEM5_BATCH_ID_S	BATCH_ID

PM_MATL_DTL

Batch or FPO material details. This table contains data on the products, ingredients, and by products of an FPO or batch, including the planned and actual quantity.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
PM_BTCH_HDR	BATCH_ID	BATCH_ID
PM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM
SY_UOMS_MST	UM_CODE	ITEM_UM2

Column Descriptions

Name	Null	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to batch.
LINE_ID (PK)	NOT NULL	NUMBER(10)	Key that uniquely identifies a batch or FPO line.
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate key to the formula line on which the batch line was based, if any.
LINE_NO	NOT NULL	NUMBER(5)	Sequential line number for each line type in a batch or FPO.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key to the item that is a product, ingredient, or byproduct.
LINE_TYPE	NOT NULL	NUMBER(5)	-1=Ingredient; 1=Product; 2=Byproduct.
PLAN_QTY	NOT NULL	NUMBER	The quantity that this line was planned to produce or consume, in the batch UOM (item_um column).
PLAN_QTY2	NULL	NUMBER	The quantity that this line was planned to produce or consume, in the secondary UOM of an item(for dual UOM items).
ITEM_UM	NOT NULL	VARCHAR2(4)	UOM in which planned and actual qty is entered on the batch.
ITEM_UM2	NULL	VARCHAR2(4)	Secondary UOM of item.
ACTUAL_QTY	NOT NULL	NUMBER	Sum (trans_qty) of completed transactions for line, in the batch UOM.
ACTUAL_QTY2	NULL	NUMBER	Sum (trans_qty) of completed transactions for line, in the secondary UOM of an item(for dual UOM items).
RELEASE_TYPE	NOT NULL	NUMBER(5)	Release (or certification) type. 0=Automatic release (certification), 1=Manual release (certification).
SCRAP_FACTOR	NOT NULL	NUMBER	Scrap factor decimal used to a trans_qty that allows for scrap.
SCALE_TYPE	NOT NULL	NUMBER(5)	0=Fixed qty (non-scalable), 1=Linear scaling.
PHANTOM_TYPE	NOT NULL	NUMBER(5)	Phantom indicator. 0=not a phantom, 1=automatic phantom replacement, 2>manual phantom.
COST_ALLOC	NULL	NUMBER	For products, fraction of cost allocated to this product.
ALLOC_IND	NOT NULL	NUMBER(5)	Allocation indicator. 0=Not fully allocated, 1=Fully allocated.
COST	NULL	NUMBER	Not currently used.

Table and View Definitions

TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
PHANTOM_ID	NULL	NUMBER(10)	For phantoms. Surrogate key of the phantom batch which produces the ingredient.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
IN_USE	NULL	NUMBER(10)	Not currently used
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PM_MATL_DTLI1	UNIQUE	10	LINE_ID
PM_MATL_DTLI2	NOT UNIQUE	1	BATCH_ID
		2	LINE_TYPE
		3	LINE_NO
PM_MATL_DTL_PK	UNIQUE	10	BATCH_ID
		20	LINE_ID

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PO_BPOS_DTL

PO_BPOS_DTL contains the detail information of items bought on a particular Blanket Purchase Order. It contains the blanket purchase order lines.

This table holds information that is captured from a Blanket Purchase Order, for example the warehouse from which the item will be shipped, the quality grade wanted, the quantity purchased, the shipping method and the shipper code, the terms and conditions for the purchase. This table is updated when Planned Purchase Orders entered in Oracle Purchasing are approved and transferred into OPM via the CPG_PURCHASING_INTERFACE table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_PRCH_CLS	ICPURCH_CLASS	ICPURCH_CLASS
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_GNRC_ITM	GENERIC_ID	GENERIC_ID
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_TERM_MST	TERMS_CODE	TERMS_CODE
PO_BPOS_HDR	BPO_ID	BPO_ID
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
PO_VEND_MST	VENDOR_ID	SHIPVEND_ID
QC_GRAD_MST	QC_GRADE	QC_GRADE_WANTED
SY_ADDR_MST	ADDR_ID	RECVADDR_ID
SY_REAS_CDS	REASON_CODE	CLOSURE_CODE
SY_REAS_CDS	REASON_CODE	BPOHOLD_CODE
SY_REAS_CDS	REASON_CODE	CANCELLATION_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
LINE_ID (PK)	NOT NULL	NUMBER(10)	Unique surrogate key.
FROM_WHSE	NULL	VARCHAR2(4)	Consignment warehouse. Fk to ic_whse_mst.
ITEM_ID	NOT NULL	NUMBER(10)	Fk to ic_item_mst.
GENERIC_ID	NULL	NUMBER(10)	Fk to op_gnrc_itm.
ITEM_DESC	NOT NULL	VARCHAR2(70)	Free form item description.
CONTRACT_VALUE	NULL	NUMBER	Max money purchasable on this line.
AMOUNT_PURCHASED	NULL	NUMBER	Amount purchased on this line.
CONTRACT_QTY	NULL	NUMBER	Max qty purchasable on this line.
TO_WHSE	NOT NULL	VARCHAR2(4)	Ship to whse. Fk to ic_whse_mst.
QTY_PURCHASED	NULL	NUMBER	Quantity purchased on this line.
STD_QTY	NOT NULL	NUMBER	Standard release quantity.

Table and View Definitions

RELEASE_INTERVAL	NOT NULL	NUMBER	Standard time interval between releases.
ICPURCH_CLASS	NULL	VARCHAR2(8)	Fk to ic_prch_cls.
BPO_STATUS	NOT NULL	NUMBER(5)	Bpo line status.
NET_PRICE	NOT NULL	NUMBER	Unit price for item being purchased.
RECV_LOCT	NULL	VARCHAR2(16)	Default receiving location.
RECVADDR_ID	NULL	NUMBER(10)	Default receiving address.
RECV_DESC	NULL	VARCHAR2(40)	Free form receiving description.
SHIP_MTHD	NULL	VARCHAR2(4)	Fk to op_ship_mth.
SHIPPER_CODE	NULL	VARCHAR2(4)	Fk to op_ship_mst.
SHIPVEND_ID	NOT NULL	NUMBER(10)	Fk to po_vend_mst.
QC_GRADE_WANTED	NULL	VARCHAR2(4)	Necessary quality grade.
FRTBILL_MTHD	NULL	VARCHAR2(4)	Fk to op_frgt_mth.
TERMS_CODE	NULL	VARCHAR2(4)	Fk to op_term_mst.
BPOHOLD_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
CANCELLATION_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
CLOSURE_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
FOB_CODE	NULL	VARCHAR2(4)	Fk to op_tobc_mst.
VENDSO_NO	NULL	VARCHAR2(32)	Vendors sales order number.
BUYER_CODE	NULL	VARCHAR2(35)	Buyer on PO
PROJECT_NO	NULL	VARCHAR2(16)	Not currently supported
MAX_RELS_QTY	NOT NULL	NUMBER	Maximum quantity (in bpo um) that can be released on any one shipment.
MATCH_TYPE	NOT NULL	NUMBER	Reserved for future use.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
ITEM_UM	NOT NULL	VARCHAR2(4)	Unit of measure for quantity fields.
BPO_ID	NOT NULL	NUMBER(10)	Fk to po_bpos_hdr.
LINE_NO	NOT NULL	NUMBER(5)	Line number within document.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_BPOS_DTL_PK	UNIQUE	1	LINE_ID
PO_BPOS_DTL_U1	UNIQUE	1	TO_WHSE
		2	BPO_ID
		3	LINE_NO

Sequences

Sequence	Derived Column
GEM5_BPO_LINE_ID_S	LINE_ID

PO_BPOS_HDR

PO_BPOS_HDR contains the header information for your blanket purchase order documents. You need one row for each blanket purchase order you create. This table is updated when Planned Purchase Orders entered in Oracle Purchasing are approved and transferred into OPM via the CPG_PURCHASING_INTERFACE table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	CONTRACT_CURRENCY
IC_PRCH_CLS	ICPURCH_CLASS	ICPURCH_CLASS
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_TERM_MST	TERMS_CODE	TERMS_CODE
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
PO_VEND_MST	VENDOR_ID	SHIPVEND_ID
PO_VEND_MST	VENDOR_ID	PAYVEND_ID
SY_ADDR_MST	ADDR_ID	ORGNADDR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_REAS_CDS	REASON_CODE	BPOHOLD_CODE
SY_REAS_CDS	REASON_CODE	CLOSURE_CODE
SY_REAS_CDS	REASON_CODE	CANCELLATION_CODE

Column Descriptions

Name	Null	Type	Description
BPO_ID (PK)	NOT NULL	NUMBER	Unique surrogate.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Fk to sy_orgn_mst.
BPO_NO	NOT NULL	VARCHAR2(32)	Blanket po number.
REL_COUNT	NOT NULL	NUMBER	Number of releases against bpo.
PAYVEND_ID	NOT NULL	NUMBER	Fk to po_vend_mst. Vendor to pay.
CONTRACT_NO	NULL	VARCHAR2(32)	User defined contract number.
CONTRACT_VALUE	NULL	NUMBER	Max that can be spent on bpo.
CONTRACT_CURRENCY	NOT NULL	VARCHAR2(4)	Currency of contract_value.
CURRENCY_BGHT_FWD	NOT NULL	NUMBER	Currency bought forward flag (1=cbf).
CONTRACT_EXCHANGE_RATE	NOT NULL	NUMBER	Home/contract_currency exchange rate.
MUL_DIV_SIGN	NOT NULL	NUMBER	0 - multiply exchange rate; 1 - divide exchange rate
AMOUNT_PURCHASED	NULL	NUMBER	Amount spent on bpo.
CONTRACT_START_DATE	NOT NULL	DATE	Date line item prices effective.
CONTRACT_END_DATE	NOT NULL	DATE	Last date line item prices effective.
SHIPVEND_ID	NOT NULL	NUMBER	Fk to po_vend_mst (vendor that ships).
SHIPPER_CODE	NULL	VARCHAR2(4)	Fk to op_ship_mst.
RECV_DESC	NULL	VARCHAR2(40)	Free form ship-to destination.
SHIP_MTHD	NULL	VARCHAR2(4)	Fk to op_ship_mth.

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FRTBILL_MTHD	NULL	VARCHAR2(4)	Fk to op_frgt_mth.
TERMS_CODE	NULL	VARCHAR2(4)	Fk to op_term_mst.
BPO_STATUS	NOT NULL	NUMBER	0=not closed; 20=closed.
BPOHOLD_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
CANCELLATION_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
CLOSURE_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
ACTIVITY_IND	NOT NULL	NUMBER	1 if po has been cut, otherwise 0.
FOB_CODE	NULL	VARCHAR2(4)	Fk to op_fobc_mst.
BUYER_CODE	NULL	VARCHAR2(35)	Fk to po_buyr_mst.
ICPURCH_CLASS	NULL	VARCHAR2(8)	Fk to ic_prch_cls.
VENDSO_NO	NULL	VARCHAR2(32)	Vendor sales order number.
PROJECT_NO	NULL	VARCHAR2(16)	Not currently supported
DATE_PRINTED	NOT NULL	DATE	Date printed onto form for vendor.
REVISION_COUNT	NULL	NUMBER	Number of times revised.
IN_USE	NULL	NUMBER	Not currently used
PRINT_COUNT	NOT NULL	NUMBER	Number of times printed.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
ORGNADDR_ID	NULL	NUMBER	Fk to sy_addr_mst. Address of the organization creating the bpo.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_BPOS_HDR_PK	UNIQUE	1	BPO_ID
PO_BPOS_HDR_U1	UNIQUE	1	ORGN_CODE
		2	BPO_NO

Sequences

Sequence	Derived Column
GEM5_BPO_ID_S	BPO_ID

PO_ORDR_DTL

PO_ORDR_DTL holds the details of your purchase order document. It stores various information such as ordered quantity, received quantity, the dual uoms of the item, freight details, terms and conditions of the PO, the promised delivery dates and requested delivery dates. Purchase orders are entered in the Oracle Purchasing application and transferred to this table via the CPG_PURCHASING_INTERFACE table and a synchronization program run under the concurrent manager.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_PRCH_CLS	ICPURCH_CLASS	ICPURCH_CLASS
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_GNRC_ITM	GENERIC_ID	GENERIC_ID
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_TERM_MST	TERMS_CODE	TERMS_CODE
PO_BPOS_DTL	LINE_ID	BPO_LINE_ID
PO_ORDR_HDR	PO_ID	PO_ID
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
PO_VEND_MST	VENDOR_ID	SHIPVEND_ID
QC_GRAD_MST	QC_GRADE	QC_GRADE_WANTED
SY_ADDR_MST	ADDR_ID	RECVADDR_ID
SY_REAS_CDS	REASON_CODE	CANCELLATION_CODE
SY_REAS_CDS	REASON_CODE	POHOLD_CODE
SY_UOMS_MST	UM_CODE	ORDER_UM1
SY_UOMS_MST	UM_CODE	ORDER_UM2
SY_UOMS_MST	UM_CODE	PRICE_UM

Column Descriptions

Name	Null	Type	Description
PO_ID	NOT NULL	NUMBER(10)	In po_ordr_hdr.
ACCT_MAP_IND	NULL	NUMBER(5)	0=gl. acct dist are not populated in po_dist_ dist, 1=gl acct. dist are populated in po_dist_ dtl
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate for access from other tables.
LINE_NO	NOT NULL	NUMBER(5)	Duplicates on partial recvs allowed.
BPO_LINE_ID	NULL	NUMBER(10)	Fk to po_bpos_dtl.
APINV_LINE_ID	NULL	NUMBER(10)	Reserved for future use.
ITEM_ID	NOT NULL	NUMBER(10)	In ic_item_mst.
GENERIC_ID	NULL	NUMBER(10)	If >0, in op_gnrc_item.
ITEM_DESC	NOT NULL	VARCHAR2(70)	Free form item description.

Table and View Definitions

ICPURCH_CLASS	NULL	VARCHAR2(8)	Fk to ic_prch_cls.
PO_STATUS	NOT NULL	NUMBER(5)	Determines the status of a purchase order: 0 - open; 1 - cancelled; 2 - closed
ORDER_QTY1	NOT NULL	NUMBER	Quantity ordered. Original line only.
ORDER_QTY2	NULL	NUMBER	Quantity ordered. Original line only.
ORDER_UM1	NOT NULL	VARCHAR2(4)	Uom of order_qty1.
ORDER_UM2	NULL	VARCHAR2(4)	Used if order_qty2 >0.
RECEIVED_QTY1	NULL	NUMBER	Total of receipts in order_um1.
RECEIVED_QTY2	NULL	NUMBER	Total of receipts in order_um2.
NET_PRICE	NOT NULL	NUMBER	Price per price_um.
EXTENDED_PRICE	NOT NULL	NUMBER	Total price for line.
PRICE_UM	NOT NULL	VARCHAR2(4)	Uom for pricing purposes.
FROM_WHSE	NULL	VARCHAR2(4)	For intra-company transfers.
TO_WHSE	NOT NULL	VARCHAR2(4)	Anticipated receiving warehouse.
RECV_LOCT	NULL	VARCHAR2(16)	Anticipated receiving location.
RECVADDR_ID	NULL	NUMBER(10)	In sy_addr_mst. Usually warehouse address.
RECV_DESC	NULL	VARCHAR2(40)	Free form shipment destination.
SHIP_MTHD	NULL	VARCHAR2(4)	Anticipated ship method (op_ship_mth).
SHIPPER_CODE	NULL	VARCHAR2(4)	Anticipated shipper (op_ship_mst).
SHIPVEND_ID	NOT NULL	NUMBER(10)	Shipping vendor id.
QC_GRADE_WANTED	NULL	VARCHAR2(4)	Necessary quality grade.
FRTBILL_MTHD	NULL	VARCHAR2(4)	Fk to op_frgt_mth.
TERMS_CODE	NULL	VARCHAR2(4)	Fk to op_term_mst.
POHOLD_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
CANCELLATION_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_cds.
FOB_CODE	NULL	VARCHAR2(4)	Fk to op_fobc_mst.
VENDSO_NO	NULL	VARCHAR2(32)	Vendor sales order number.
BUYER_CODE	NULL	VARCHAR2(35)	Buyer on PO
PROJECT_NO	NULL	VARCHAR2(16)	Not currently supported
AGREED_DLVDTE	NOT NULL	DATE	Agreed delivery date.
EXPEDITE_DATE	NULL	DATE	Date expedited.
REQUESTED_DLVDTE	NOT NULL	DATE	Requested delivery date.
REQUIRED_DLVDTE	NOT NULL	DATE	Required delivery date.
SCHED_SHIPDATE	NOT NULL	DATE	Scheduled ship date.
MATCH_TYPE	NOT NULL	NUMBER	Reserved for future use
EXPORTED_DATE	NULL	DATE	Date that the transaction was exported to oracle finanacials. Defaults to sy\$mindate.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_ORDR_DTL	UNIQUE	1	LINE_ID
PO_ORDR_DTL_U1	UNIQUE	1	PO_ID
		2	LINE_NO

Sequences

Sequence	Derived Column
GEM5_PO_LINE_ID_S	LINE_ID
GEM5_APIINV_LINE_ID_S	APIINV_LINE_ID

PO_ORDR_HDR

PO_ORDR_HDR holds the main header information of your Purchase order documents. This is the header block of the Purchase order transaction in OPM. Every purchasing document except blanket purchase orders has a row in this table. Purchase orders are entered in the Oracle Purchasing application and transferred to this table via the CPG_PURCHASING_INTERFACE table and a synchronization program run under the concurrent manager.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	BILLING_CURRENCY
IC_PRCH_CLS	ICPURCH_CLASS	ICPURCH_CLASS
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_FOBC_MST	FOB_CODE	FOB_CODE
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
OP_TERM_MST	TERMS_CODE	TERMS_CODE
PO_BPOS_HDR	BPO_ID	BPO_ID
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
PO_VEND_MST	VENDOR_ID	PAYVEND_ID
PO_VEND_MST	VENDOR_ID	SHIPVEND_ID
SY_ADDR_MST	ADDR_ID	RECVADDR_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_REAS_CDS	REASON_CODE	POHOLD_CODE
SY_REAS_CDS	REASON_CODE	CANCELLATION_CODE

Column Descriptions

Name	Null	Type	Description
ACCT_MAP_DATE	NULL	DATE	Date the gl acct dist was created
PO_ID (PK)	NOT NULL	NUMBER(10)	Physical key.
ORGN_CODE	NOT NULL	VARCHAR2(4)	In sy_orgn_mst.
BPO_ID	NULL	NUMBER(10)	Fk to po_bpos_hdr.
FRTBILL_MTHD	NULL	VARCHAR2(4)	In op_frgt_mth. Optional.
BPO_RELEASE_NO	NULL	NUMBER(5)	User relevant bpo release number.
PO_TYPE	NOT NULL	NUMBER(5)	In sy_type_mst.
PAYVEND_ID	NOT NULL	NUMBER(10)	Billing vendor id in po_vend_mst.
SHIPVEND_ID	NOT NULL	NUMBER(10)	Shipping vendor. Default for line item.
RECVADDR_ID	NULL	NUMBER(10)	Receive location address. Default for line.
SHIPPER_CODE	NULL	VARCHAR2(4)	Default anticipated shipper (op_ship_mst).
RECV_DESC	NULL	VARCHAR2(40)	Free form ship to destination.
FROM_WHSE	NULL	VARCHAR2(4)	For intra-company transfers.
TO_WHSE	NOT NULL	VARCHAR2(4)	Default. Anticipated receiving warehouse.
RECV_LOCT	NULL	VARCHAR2(16)	Default. Anticipated receiving location.
SHIP_MTHD	NULL	VARCHAR2(4)	Default. Anticipated ship method.

PO_NO	NOT NULL	VARCHAR2(32)	Logical key. May have orgn_code pre-pend.
PURCHASE_EXCHANGE_RATE	NOT NULL	NUMBER	Home/billing_currency exchange rate.
MUL_DIV_SIGN	NOT NULL	NUMBER(5)	0 - multiply exchange rate; 1 - divide exchange rate
BILLING_CURRENCY	NOT NULL	VARCHAR2(4)	Currency in which to pay invoice.
CURRENCY_BGHT_FWD	NOT NULL	NUMBER(5)	Currency brought forward flag.
TERMS_CODE	NULL	VARCHAR2(4)	Default from bill vendor in op_term_mst.
PO_STATUS	NOT NULL	NUMBER(5)	0=not closed; 20=closed.
POHOLD_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_mst.
CANCELLATION_CODE	NULL	VARCHAR2(4)	Fk to sy_reas_mst.
FOB_CODE	NULL	VARCHAR2(4)	In op_fobc_mst. Default from ship vendor.
BUYER_CODE	NULL	VARCHAR2(35)	Buyer on PO
ICPURCH_CLASS	NULL	VARCHAR2(8)	Fk to ic_prch_cls.
VENDSO_NO	NULL	VARCHAR2(32)	Vendor sales order number.
PROJECT_NO	NULL	VARCHAR2(16)	Not currently supported
PO_DATE	NOT NULL	DATE	User defined date of purchase order.
REQUESTED_DLVDTE	NOT NULL	DATE	Requested delivery date.
SCHED_SHIPDATE	NOT NULL	DATE	Scheduled ship date.
REQUIRED_DLVDTE	NOT NULL	DATE	Required delivery date.
AGREED_DLVDTE	NOT NULL	DATE	Agreed delivery date.
DATE_PRINTED	NOT NULL	DATE	Date printed onto form for vendor.
EXPEDITE_DATE	NULL	DATE	Not recvd by date/tickler date for rpt.
REVISION_COUNT	NULL	NUMBER(5)	Number of times revised.
IN_USE	NULL	NUMBER(10)	Not currently used
PRINT_COUNT	NULL	NUMBER(5)	Number of times printed.
EXPORTED_DATE	NULL	DATE	Date the transaction was exported to oracle financials.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_ORDR_HDR_PK	UNIQUE	1	PO_ID
PO_ORDR_HDR_U1	UNIQUE	1	ORGN_CODE
		2	PO_NO

Sequences

Sequence	Derived Column
GEM5_PO_ID_S	PO_ID

PO_RELS_SCH

PO_RELS_SCH holds all the information about the release schedules of a Blanket purchase order. It has information such as the agreed delivery date and the line status. Release schedules are created when Planned Purchase Orders are approved in Oracle Purchasing and transferred into OPM via the CPG_PURCHASING_INTERFACE table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_WHSE_MST	WHSE_CODE	FROM_WHSE
IC_WHSE_MST	WHSE_CODE	TO_WHSE
OP_SHIP_MST	SHIPPER_CODE	SHIPPER_CODE
OP_SHIP_MTH	SHIP_MTHD	SHIP_MTHD
PO_BPOS_DTL	LINE_ID	BPOLINE_ID
PO_ORDR_DTL	LINE_ID	POLINE_ID
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ADDR_MST	ADDR_ID	RECVADDR_ID
SY_UOMS_MST	UM_CODE	ORDER_UM2
SY_UOMS_MST	UM_CODE	ORDER_UM1

Column Descriptions

Name	Null	Type	Description
BPOLINE_ID (PK)	NOT NULL	NUMBER	Fk to po_bpos_dtl.
AGREED_DLVDATE (PK)	NOT NULL	DATE	Agreed delivery date.
LINE_STATUS	NOT NULL	NUMBER	0=advisory; 1=released.
ORDER_QTY1	NOT NULL	NUMBER	Anticipated quantity necessary.
ORDER_QTY2	NULL	NUMBER	Anticipated quantity necessary.
ORDER_UM1	NOT NULL	VARCHAR2(4)	Fk to sy_uoms_mst.
ORDER_UM2	NULL	VARCHAR2(4)	Fk to sy_uoms_mst.
FROM_WHSE	NULL	VARCHAR2(4)	Consignment whse. Fk to ic_whse_mst.
TO_WHSE	NOT NULL	VARCHAR2(4)	Fk to ic_whse_mst.
RECV_LOCT	NULL	VARCHAR2(16)	Fk to ic_loct_mst.
RECVADDR_ID	NULL	NUMBER	Receiving address id. Fk to sy_addr_mst.
RECV_DESC	NULL	VARCHAR2(40)	Free form receiving description.
SHIP_MTHD	NULL	VARCHAR2(4)	Fk to op_ship_mth.
SHIPPER_CODE	NULL	VARCHAR2(4)	Fk to op_ship_mst.
POLINE_ID	NULL	NUMBER	0 until the line is release to a a po then fk to po_ordr_dtl.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER	Not currently used

Table and View Definitions

DELETE_MARK	NOT NULL	NUMBER	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_RELS_SCH_PK	UNIQUE	1	BPOLINE_ID
		2	AGREED_DLVDATE

PO_VEND_MST

The vendor master for OPM is updated via a database trigger from the Supplier entered in Oracle Purchasing. Vendor information can not be edited or viewed in OPM. Purchase orders transferred to OPM will reference the vendor number from OPM and stock receipts must contain a vendor number which can be looked up from the OPM vendor master. In addition to updating this table, the vendor relationships maintained in PO_VEND_ASC are also created when vendors are transferred from Oracle Purchasing.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GL_CURR_MST	CURRENCY_CODE	DEFAULT_CURRENCY
OP_FRGT_MTH	FRTBILL_MTHD	FRTBILL_MTHD
OP_TERM_MST	TERMS_CODE	TERMS_CODE
PO_TEXT_HDR	TEXT_CODE	TEXT_CODE
PO_VEND_CLS	VEND_CLASS	VEND_CLASS
PO_VGLD_CLS	VENDGL_CLASS	VENDGL_CLASS
PO_VTRD_CLS	VENDTRADE_CLASS	VENDTRADE_CLASS
SY_ADDR_MST	ADDR_ID	ADDR_ID
SY_ADDR_MST	ADDR_ID	MAILADDR_ID
SY_ORGN_MST	ORGN_CODE	CO_CODE

Column Descriptions

Name	Null	Type	Description
VENDOR_ID	NOT NULL	NUMBER(10)	Surrogate key for vendor.
PHONE_NO	NULL	VARCHAR2(20)	Phone number.
VENDOR_NO	NOT NULL	VARCHAR2(32)	Unique vendor number entered by user.
ALTVEND_NO	NULL	VARCHAR2(32)	User entered code
VENDSORT_NO	NULL	VARCHAR2(16)	Short name of the vendor
VENDOR_NAME	NOT NULL	VARCHAR2(40)	Vendor name
ADDR_ID	NOT NULL	NUMBER(10)	Fk to sy_addr_mst.
REMIT_NAME	NULL	VARCHAR2(40)	Remit to name of the vendor
MAILADDR_ID	NULL	NUMBER(10)	Fk to sy_addr_mst.
CO_CODE	NULL	VARCHAR2(4)	Company for which the vendor number is defined. A blank value indicates the vendor is defined for all companies.
FAX_NO	NULL	VARCHAR2(20)	Fax number.
TELEX_NO	NULL	VARCHAR2(20)	Telex number.
DEFAULT_CURRENCY	NOT NULL	VARCHAR2(4)	Default currency for a transaction. Fk to gl_curr_mst.
CHANGE_CURRENCY	NOT NULL	NUMBER(5)	Indicates whether the currency can be changed: 0 - default currency only; 1- other currencies are permitted.
TIMELINESS_RATING	NULL	NUMBER(5)	User entered timeliness of delivery rating.
PRICE_RATING	NULL	NUMBER(5)	How the user rates the vendor prices.
MISC_RATING	NULL	NUMBER(5)	Miscellaneous rating.

Table and View Definitions

BUS_START_DATE	NULL	DATE	Date when the first business activity took place.
BUS_END_DATE	NULL	DATE	Date when the final business activity took place.
BUS_AMOUNT	NULL	NUMBER	Amount of business done with the vendor.
MIN_PURCHASE	NULL	NUMBER	The minimum amount that can be purchased on a single po.
APPROVED_IND	NOT NULL	NUMBER(5)	Indicates whether the vendor has been approved for purchases: 0 - orders not allowed; 1 - order allowed. Restricts or permits entry of the vendor in po.
INACTIVE_IND	NOT NULL	NUMBER(5)	Indicates if the vendor is inactive: 0 - active; 1 - not active. If the vendor is not active a po cannot be created.
SHIP_IND	NOT NULL	NUMBER(5)	Indicates whether the vendor ships product: 0 - no; 1 - yes
PAYMENT_IND	NOT NULL	NUMBER(5)	Does this vendor receive payments for merchandise: 0 - no; 1 - yes
INFORM_GOV	NOT NULL	NUMBER(5)	Is a 1099 issued: 0 - no; 1 - yes
TAXABLE_IND	NOT NULL	NUMBER(5)	Is the vendor taxable: 0 - tax exempt; 1 - taxable
TERMS_CODE	NULL	VARCHAR2(4)	Fk to op_term_mst
TERMS_VARY	NOT NULL	NUMBER(5)	Indicates whether the terms can vary on an order by order basis: 0 - no; 1 - yes
VENDOR_TYPE	NOT NULL	NUMBER(5)	0 - regular vendor; 1 - consignment vendor
SIC_CODE	NULL	VARCHAR2(8)	User entered sic code - not validated
SPLC_CODE	NULL	VARCHAR2(8)	User entered splc code - not validated
FRTBILL_MTHD	NULL	VARCHAR2(4)	Fk to op_ship_mth
CREDIT_LIMIT	NULL	NUMBER	Maximum credit limit granted by the vendor.
VEND_CLASS	NULL	VARCHAR2(8)	Fk to po_vend_cls.
VENDTRADE_CLASS	NULL	VARCHAR2(8)	Fk to po_vtrd_cls.
VENDGL_CLASS	NULL	VARCHAR2(8)	Fk to po_vgld_cls.
OF_VENDOR_ID	NULL	NUMBER(10)	Surrogate from Oracle Financials identifying the vendor.
OF_VENDOR_SITE_ID	NULL	NUMBER(10)	Surrogate from Oracle Financials identifying the vendor.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PO_VEND_MSTI1	UNIQUE	1	CO_CODE
		2	VENDOR_NO
PO_VEND_MSTI2	UNIQUE	1	VENDOR_NO
		2	VENDSORT_NO
		3	VENDOR_NAME
		4	CO_CODE
		5	INACTIVE_IND
		6	DELETE_MARK
PO_VEND_MST_PK	UNIQUE	1	VENDOR_ID

Sequences

Sequence	Derived Column
GEM5_VENDOR_ID_S	VENDOR_ID

PO_VNIT_MST

Vendor Item Table not supported in OPM Purchasing; this table may be dropped in a future release.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
PO_VEND_MST	VENDOR_ID	VENDOR_ID

Column Descriptions

Name	Null	Type	Description
VENDOR_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id for vendor from OPM Vendor Master table
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Item id from Item Master in OPM
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	Warehouse code
LEAD_TIME	NOT NULL	NUMBER	Number of days lead time required to purchase item in this warehouse
TIMELINESS_RATING	NOT NULL	NUMBER(5)	User-defined rating of vendor's timeliness for this item/warehouse
PRICE_RATING	NOT NULL	NUMBER(5)	User-defined price rating
PREFERENCE_RATING	NOT NULL	NUMBER(5)	User-defined preference rating
QUALITY_RATING	NOT NULL	NUMBER(5)	User-defined quality rating
MSDS_REQUIRED	NOT NULL	NUMBER(5)	Indicator if MSDS required
MSDS_VERSION_NO	NOT NULL	VARCHAR2(32)	Version number of MSDS last sent
MSDS_ISSUANCE_DATE	NOT NULL	DATE	Date of latest MSDS
DELETE_MARK	NOT NULL	NUMBER(5)	Indicates if record is logically deleted; 0 = active record; 1 = deleted record
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used

Indexes

Index Name	Index Type	Sequence	Column Name
PO_VNIT_MST_PK	UNIQUE	1	VENDOR_ID
		2	ITEM_ID
		3	WHSE_CODE

PS_MATL_DTL

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PS_MATL_HDR	ITEM_ID	ITEM_ID MATL_REP_IDMATL_REP_ID

Column Descriptions

Name	Null	Type	Description
MATL_REP_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id for the report
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id of the item in the report
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class of the item
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse in which the transaction occurs
QTY_ON_HAND	NULL	NUMBER	Quantity of the item on hand as of now.
PERD_NAME	NULL	VARCHAR2(20)	Name of the period - depending of the buckets defined.
PERD_END_DATE (PK)	NOT NULL	DATE	End date of the period (bucket)
SALES_ORDERS	NULL	NUMBER	Sum quantities of all sales orders in the period
FORE_CAST	NULL	NUMBER	Sum all forecasted quantities in the period
SCHED_INGRED	NULL	NUMBER	Quantities to be consumed in the scheduled batches as ingredient
FIRM_INGRED	NULL	NUMBER	Quantities to be consumed in the Firm Planned Orders as ingredient
PLND_INGRED	NULL	NUMBER	Quantities to be consumed in the Planned batches as ingredient
TOTAL_DEMAND	NULL	NUMBER	Total of all the demand quantities
PO_RECEIPTS	NULL	NUMBER	Quantity for the item to be received from the Purchase Order
REQ_RECEIPTS	NULL	NUMBER	Receipt quantity
SCHED_PROD	NULL	NUMBER	Quantity from the scheduled batches
FIRM_PROD	NULL	NUMBER	Quantity coming from the Firm Planned Orders
PLND_PROD	NULL	NUMBER	Quantity coming from the Planned Batches
ENDING_BAL	NULL	NUMBER	Net ending balance for that preiod EB=Starting qty + Total replenishment - Total demand
NET_SS_REQMT	NULL	NUMBER	Net Safety Stock requirement

Indexes

Index Name	Index Type	Sequence	Column Name
PS_MATL_DTL_PK	UNIQUE	1	MATL_REP_ID
		2	ITEM_ID
		3	PERD_END_DATE

PS_MATL_HDR

Column Descriptions

Name	Null	Type	Description
MATL_REP_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id of the report
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class of the item
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id of the item

Indexes

Index Name	Index Type	Sequence	Column Name
PS_MATL_HDR_PK	UNIQUE	1	MATL_REP_ID
		2	ITEM_ID

Sequences

Sequence	Derived Column
GEM5_MATL_REP_ID_S	MATL_REP_ID

PS_OPER_PCL

Association table between operator codes and planning classes. Used to limit the items that are displayed on MPS and MRP reports run by the user.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PS_PLNG_CLS	PLANNING_CLASS	PLANNING_CLASS
PS_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
USER_ID (PK)	NOT NULL	NUMBER(15)	Surrogate key for the OPM user
PLANNING_CLASS (PK)	NOT NULL	VARCHAR2(8)	Code for the planning class associated with the operator.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_OPER_PCL_PK	UNIQUE	1	USER_ID
		2	PLANNING_CLASS

PS_PLNG_CLS

Planning class definitions. Items and operators can be associated to these to support report groupings for item activity by planning class.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
PLANNING_CLASS (PK)	NOT NULL	VARCHAR2(8)	Code for the planning class.
PLANNING_CLASS_DESC	NULL	VARCHAR2(40)	Description of the planning class.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive FlexfieldDescriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
PS_PLNG_CLS_PK	UNIQUE	1	PLANNING_CLASS

PS_SCHD_DTL

Schedule detail. Stores data on the organizations which are part of this schedule, and the shop calendar and time fences for those organizations.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
MR_SHCL_HDR	CALENDAR_ID	CALENDAR_ID
PS_SCHD_HDR	SCHEDULE_ID	SCHEDULE_ID
PS_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the schedule.
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Code for the organization which is part of the schedule.
CALENDAR_ID	NOT NULL	NUMBER(10)	Surrogate key for the shop calendar used by the organization.
INNER_TIMEFENCE	NOT NULL	NUMBER	Earliest date on which any replenishment action can be initiated in the warehouse
OUTER_TIMEFENCE	NOT NULL	NUMBER	Latest date on which any replenishmnt can be started for this organization (Warehouse)
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_SCHD_DTL_PK	UNIQUE	1	SCHEDULE_ID
		2	ORGN_CODE

PS_SCHD_FOR

Schedule forecast association. List of forecasts which are to be considered for this schedule.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FC_FCST_HDR	FORECAST_ID	FORECAST_ID
FC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PS_SCHD_HDR	SCHEDULE_ID	SCHEDULE_ID

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the schedule to which forecasts are associated.
FORECAST_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the forecast which is associated to a schedule.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_SCHD_FORI1	NOT UNIQUE	1	FORECAST_ID
PS_SCHD_FOR_PK	UNIQUE	1	SCHEDULE_ID
		2	FORECAST_ID

PS_SCHD_HDR

Schedule header table that stores general info about the schedule.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PS_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key that uniquely identifies each record.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code to which the schedule belongs
SCHEDULE	NOT NULL	VARCHAR2(16)	Name of the schedule.
SCHEDULE_DESC	NOT NULL	VARCHAR2(40)	Schedule description.
STOCK_IND	NOT NULL	NUMBER(5)	Make to stock indicator. 0=Do not include forecast demand, 1=Include Forecasted demand
ORDER_IND	NOT NULL	NUMBER(5)	Make to order indicator. 0=Do not include sales order demand, 1= include sales order demand
EXCESS_IND	NOT NULL	NUMBER(5)	Not currently used.
CONSUME_IND	NOT NULL	NUMBER(5)	Not currently used.
CARRY_IND	NOT NULL	NUMBER(5)	Not currently used.
BLANKET_IND	NOT NULL	NUMBER(5)	Not currently used.
ACTIVE_IND	NOT NULL	NUMBER(5)	0=Inactive schedule; 1=Active schedule.
BPO_IND	NOT NULL	NUMBER(5)	Consider Blanket Purchase Order release schedule supply flag. 0=MRP ignores BPO 1= MRP considers BPO as replenishments
BPO_SUGGEST	NOT NULL	NUMBER(5)	BPO suggestion flag. 0=MRP will not make suggestions regarding BPO 1=MRP will make BPO Suggestions if required
INNER_TIMEFENCE	NOT NULL	NUMBER	Earliest date for the schedule on which any replenishment action can be suggested under this schedule
OUTER_TIMEFENCE	NOT NULL	NUMBER	Latest date on which any replenishment action can be initiated.
MRP_HORIZON	NOT NULL	NUMBER	Maximum date up to which transactions are considered for planning by MRP
NO_DAYS	NOT NULL	NUMBER(10)	Number of day buckets displayed on the Bucketed Material Activity
NO_WEEKS	NOT NULL	NUMBER(10)	Number of weekly buckets displayed on the Bucketed Material Activity
NO_4WEEKS	NOT NULL	NUMBER(10)	Number of monthly buckets displayed on the Bucketed Material Activity
NO_13WEEKS	NOT NULL	NUMBER(10)	No of quarterly buckets that appear on the Bucketed Material Activity
IN_USE	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column

CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_SCHD_HDR_PK	UNIQUE	1	SCHEDULE_ID
PS_SCHD_HDR_U1	UNIQUE	1	ORGN_CODE
		2	SCHEDULE

Sequences

Sequence	Derived Column
GEM5_SCHEDULE_ID_S	SCHEDULE_ID

PS_TEXT_HDR

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

PS_TEXT_TBL_TL

Column Descriptions

Name	Null	Type	Description
TEXT_CODE (PK)	NOT NULL	NUMBER(10)	Surrogate key for the record. ID which joins any rows of text in this table to the Text Table for this Module
LANG_CODE (PK)	NOT NULL	VARCHAR2(4)	Indicates language used in text.
PARAGRAPH_CODE (PK)	NOT NULL	VARCHAR2(4)	Defined in sy_para_cds.
SUB_PARACODE (PK)	NOT NULL	NUMBER(5)	Defined in sy_para_cds.
LINE_NO (PK)	NOT NULL	NUMBER(5)	Line number which allows multiple lines of descriptive text for underlying record. -1 = line is used to recreate key of underlying record; 1 TEXTNULLVARCHAR2(70) Descriptive text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO
		6	LANGUAGE

PS_UBKT_DTL

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PS_MATL_HDR	ITEM_ID	ITEM_ID MATL_REP_IDMATL_REP_ID

Column Descriptions

Name	Null	Type	Description
LINE_ID	NOT NULL	NUMBER(10)	Surrogate for the line in the report
MATL_REP_ID	NOT NULL	NUMBER(10)	Surrogate id for the report
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate id of the item being reported
DOC_TYPE	NOT NULL	VARCHAR2(4)	Doc type of the transaction
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization under which the transaction falls
DOC_NO	NULL	VARCHAR2(32)	Document number (if any) of the document for the transaction
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class of the item
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse code of the warehouse in the transaction
START_BALANCE	NULL	NUMBER	Satrting balance quantity for the item
PAST_DUE	NULL	VARCHAR2(1)	Total past due quantity for the trans type
TRANS_DATE	NULL	DATE	Date of the transaction
TRANS_QTY	NULL	NUMBER	Quantity of the transaction
BALANCE	NULL	NUMBER	Balance = Starting balance + Replenishment - Demand
CRITICAL_IND	NULL	VARCHAR2(2)	Whether the item has become critical
CUST_VEND	NULL	VARCHAR2(32)	Customer - Vendor code

PS_WHSE_EFF

Plant-warehouse relationship (effectivity) table. Specifies the warehouses items are consumed from and replenished by plants. Used MRP, and by Production for determining default warehouse for transactions.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	WHSE_ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
PS_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	PLANT_CODE

Column Descriptions

Name	Null	Type	Description
PSWHSE_EFF_ID (PK)	NOT NULL	NUMBER(15)	Surrogate id for the effectivity
PLANT_CODE	NOT NULL	VARCHAR2(4)	Plant for which consumption and replenishment warehouses are defined.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse associated with the plant.
WHSE_ITEM_ID	NULL	NUMBER(10)	Surrogate key for a warehouse item. Warehouse items are used to group together items having similar consumption-replenishment characteristics
CONSUM_IND	NOT NULL	NUMBER(5)	Consumption indicator. 0=Item is not consumed from this warehouse,
REPLEN_IND	NOT NULL	NUMBER(5)	Replenishment indicator. 0=Item is not replenished into this warehouse; 1= Item can be replenished into this warehouse
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PS_WHSE_EFF_PK	UNIQUE	1	PSWHSE_EFF_ID
PS_WHSE_EFF_U1	UNIQUE	1	PLANT_CODE
		2	WHSE_CODE
		3	WHSE_ITEM_ID

Sequences

Sequence	Derived Column
GEM5_PSWHSE_EFF_ID_S	PSWHSE_EFF_ID

RH_ACTN_TBL

Column Descriptions

Name	Null	Type	Description
ACTION_SET (PK)	NOT NULL	VARCHAR2(240)	The export/import group of actions required to complete dtat transfer under one set
ACTION_TYPE	NOT NULL	VARCHAR2(240)	Type the command executed - OIL, PLSQL
ACTION_IND	NOT NULL	VARCHAR2(1)	Whether the action is Export (X) or Import (I)
DESCRIPTION	NOT NULL	VARCHAR2(240)	Description of the action command
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER	Number specifying sequence to be followed when executing commands in an action set
BATCH_COMMAND	NOT NULL	VARCHAR2(240)	Syntax of the OIL or PLSQL command to be exdcuted by the RL_ORACLE daemon
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	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(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_ACTN_TBL_PK	UNIQUE	1	ACTION_SET
		2	SEQUENCE_NUMBER

RH_DORD_IMP

Demand order import table. Stores imported details of demand orders.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
RH_IMPT_MST	IMPORT_ID	IMPORT_ID

Column Descriptions

Name	Null	Type	Description
IMPORT_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the import.
LINE_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the line.
LINE_NO (PK)	NOT NULL	NUMBER(10)	Key identifying the line.
PROCESS_ID	NOT NULL	NUMBER(10)	Key identifying the import process at time of update back into OPM.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code of the order document
DOC_TYPE (PK)	NOT NULL	VARCHAR2(4)	Document type.
ORDER_NO	NOT NULL	VARCHAR2(32)	Order Number
OLD_ORDER_QTY	NOT NULL	NUMBER(21,9)	Order quantity exported from OPM.
ORDER_QTY	NOT NULL	NUMBER(21,9)	Order quantity imported from Rhythm.
OLD_SCHED_DATE	NOT NULL	DATE	Scheduled ship date exported from OPM.
SCHED_DATE	NOT NULL	DATE	Scheduled ship date imported from Rhythm.
OLD_PRIORITY	NOT NULL	NUMBER(10)	Priority exported from OPM.
PRIORITY	NOT NULL	NUMBER(10)	Priority imported from Rhythm.
NEW_DOC_TYPE (PK)	NOT NULL	VARCHAR2(4)	New document type (e.g., DDOR, SHRT).
NEW_DOC_ID (PK)	NOT NULL	NUMBER(10)	Document id generated at time of export.
ACTION_TYPE (PK)	NOT NULL	NUMBER(1)	Action type. 1=Resize, 2=Reschedule, 3=Create, 4=Cancel.
OLD_ORDER_UOM	NOT NULL	VARCHAR2(4)	Unit Of Measure on the order exported from OPM
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_DORD_IMP11	NOT UNIQUE	1	IMPORT_ID
		2	ACTION_TYPE
		3	ORGN_CODE
RH_DORD_IMP_PK	UNIQUE	1	IMPORT_ID
		2	LINE_ID
		3	LINE_NO
		4	DOC_TYPE
		5	NEW_DOC_TYPE
		6	NEW_DOC_ID
		7	ACTION_TYPE

RH_EXPT_DTL

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
RH_EXPT_MST	EXPORT_ID	EXPORT_ID

Column Descriptions

Name	Null	Type	Description
EXPORT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id identifying one Export Run
EXPORT_TYPE (PK)	NOT NULL	VARCHAR2(16)	X= Export I=Import
ROWS_PROCESSED	NOT NULL	NUMBER(10)	Number of rows in OPM tables processed.
RUN_STATUS	NOT NULL	NUMBER(5)	Completion status of run. -2=OS error; -1=DB error; 0=Pending; 1= Run; 2= Completed
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_EXPT_DTL_PK	UNIQUE	1	EXPORT_ID
		2	EXPORT_TYPE

RH_EXPT_MST

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID	NOT NULL	NUMBER(22)	Surrogate id for the schedulr for which data transfer was made
RUN_STATUS	NOT NULL	NUMBER(5)	Completion status of run. -2=OS error; -1=DB error; 0=Pending; 1= Run; 2= Completed
RUN_BY	NOT NULL	VARCHAR2(4)	Operator code of the OPM user who made the run
EXPORT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id identifying the data transfer
QUEUE_NO	NOT NULL	NUMBER	NOW=Immediate QUEUE=Scheduled for future date
BATCH_DATE	NOT NULL	DATE	Date at which the data transfer is planned.
ACTUAL_END_DATE	NULL	DATE	Date of completion of data transfer
ACTUAL_START_DATE	NULL	DATE	Date when the data transfer actually started
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_EXPT_MST_I1	NOT UNIQUE	1	SCHEDULE_ID
		2	EXPORT_ID
RH_EXPT_MST_PK	UNIQUE	1	EXPORT_ID

Sequences

Sequence	Derived Column
GMY_DATALOAD_S	EXPORT_ID

RH_IMPT_DTL

Details of the import for the demand order.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
RH_IMPT_MST	IMPORT_ID	IMPORT_ID

Column Descriptions

Name	Null	Type	Description
IMPORT_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the import generated at time of import.
IMPORT_TYPE (PK)	NOT NULL	VARCHAR2(16)	Name of table that was imported from Rhythm.
RUN_STATUS	NOT NULL	NUMBER(5)	Completion status of run. -2=OS error; -1=DB error; 0=Pending; 1= Run; 2= Completed
ROWS_PROCESSED	NOT NULL	NUMBER(10)	Number of rows imported from Rhythm
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_IMPT_DTL_PK	UNIQUE	1	IMPORT_ID
		2	IMPORT_TYPE

RH_IMPT_MST

Import master.

Column Descriptions

Name	Null	Type	Description
IMPORT_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the import, generated at time of import.
SCHEDULE_ID	NOT NULL	NUMBER(22)	Surrogate key identifying the schedule for which data was imported.
ACTUAL_END_DATE	NULL	DATE	Date when the import actually completed
ACTUAL_START_DATE	NULL	DATE	Date at which the import run actually started.
QUEUE_NO	NOT NULL	NUMBER	NOW=Immediate; QUEUE=Scheduled for a future date.
RUN_STATUS	NOT NULL	NUMBER(5)	Completion status of run. -2=OS error; -1=DB error; 0=Pending; 1= Run; 2= Completed
RUN_BY	NOT NULL	VARCHAR2(4)	Operator code of the OPM user who initiated the import
BATCH_DATE	NOT NULL	DATE	Planned date of the import
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_IMPT_MST_I1	NOT UNIQUE	1	SCHEDULE_ID
		2	IMPORT_ID
RH_IMPT_MST_PK	UNIQUE	1	IMPORT_ID

Sequences

Sequence	Derived Column
GMY_DATALOAD_S	IMPORT_ID

RH_MESG_TBL

Column Descriptions

Name	Null	Type	Description
FKEY_ID (PK)	NOT NULL	NUMBER(10)	Export or Import id whose message is stored
LINE_NO (PK)	NOT NULL	NUMBER(10)	Unique number in the export/import specifying line of the message
MESSAGE_CODE	NOT NULL	VARCHAR2(32)	Error message code , text for this would give the details of error
PARAMETER1	NULL	VARCHAR2(32)	Parameter to be used in the text in message
PARAMETER2	NULL	VARCHAR2(32)	Parameter to be used in the text in message
PARAMETER3	NULL	VARCHAR2(32)	Parameter to be used in the text in message
PARAMETER4	NULL	VARCHAR2(32)	Parameter to be used in the text in message
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_MESG_TBL_PK	UNIQUE	1	FKEY_ID
		2	LINE_NO

Sequences

Sequence	Derived Column
RH_LINE_NO	LINE_NO

RH_MORD_IMP

Manufacturing order import.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PM_BTCH_HDR	BATCH_ID	BATCH_ID
RH_IMPT_MST	IMPORT_ID	IMPORT_ID
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
IMPORT_ID (PK)	NOT NULL	NUMBER(10)	Key for the import.
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the batch.
LINE_NO (PK)	NOT NULL	NUMBER(10)	MRP action line number.
PROCESS_ID	NOT NULL	NUMBER(10)	Process id generated when the data is updated back into GEMMS.
DOC_TYPE	NOT NULL	VARCHAR2(4)	Document type, PPRD, FPO, PROD, " ".
BATCH_NO	NOT NULL	VARCHAR2(32)	Batch number, FPO number, Rhythm batch number.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code.
OLD_ROUTING_NO	NOT NULL	VARCHAR2(32)	Routing number exported from OPM.
OLD_ROUTING_VERS	NOT NULL	NUMBER(5)	Routing version exported from OPM.
ROUTING_NO	NOT NULL	VARCHAR2(32)	New routing number imported from Rhythm.
ROUTING_VERS	NOT NULL	NUMBER(10)	New routing version imported from Rhythm.
EFF_ID	NOT NULL	NUMBER(10)	Surrogate key for the effectivity imported from Rhythm.
OLD_EFF_ID	NOT NULL	NUMBER(10)	Surrogate key for the effectivity exported from .
OLD_PLAN_QTY	NOT NULL	NUMBER(21,9)	Planned quantity exported from OPM
PLAN_QTY	NOT NULL	NUMBER(21,9)	Planned quantity imported from Rhythm.
OLD_PST	NOT NULL	DATE	Planned start time exported from OPM.
PST	NOT NULL	DATE	Planned start time imported from Rhythm.
OLD_PET	NOT NULL	DATE	Planend end time exported from GEMMS.
PET	NOT NULL	DATE	Planned end time imported from Rhythm.
NEW_DOC_TYPE (PK)	NOT NULL	VARCHAR2(4)	New document type, DMOR, CMOR, or " ".
NEW_DOC_ID (PK)	NOT NULL	NUMBER(10)	Key identifying the new document. - would be NULL or 0
ACTION_TYPE (PK)	NOT NULL	NUMBER(10)	Action type. 1=Resize, 2=Reschedule, 3=Reroute, 4=Create, 5=Cancel.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	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(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_MORD_IMP11	NOT UNIQUE	1	IMPORT_ID
		2	ACTION_TYPE

Table and View Definitions

RH_MORD_IMP_PK	UNIQUE	3	ORGN_CODE
		1	IMPORT_ID
		2	BATCH_ID
		3	LINE_NO
		4	NEW_DOC_TYPE
		5	NEW_DOC_ID
		6	ACTION_TYPE

RH_PARM_TBL

Column Descriptions

Name	Null	Type	Description
PARM_TYPE	NOT NULL	NUMBER(5)	1=Visible on parameter screen and modifyable 0=non-Visible on the screen
PARM_VALUE	NOT NULL	VARCHAR2(40)	Value of the parameter
PARAMETER (PK)	NOT NULL	VARCHAR2(16)	Name of the parameter
SCHEDULE_ID (PK)	NOT NULL	NUMBER(22)	Surrogate id for the schedule for which this parameter is defined
DESCRIPTION	NOT NULL	VARCHAR2(70)	Description of the parameter
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_PARM_TBL_PK	UNIQUE	10	SCHEDULE_ID
		20	PARAMETER

Sequences

Sequence	Derived Column
I2_INTERFACE_S	PARM_VALUE

RH_PARM_TYP

Column Descriptions

Name	Null	Type	Description
PARAMETER (PK)	NOT NULL	VARCHAR2(16)	Name of the parameter
PARM_TYPE	NOT NULL	NUMBER(5)	1=Visible on parameter screen and modifyable 0=non-Visible on the screen
DESCRIPTION	NOT NULL	VARCHAR2(70)	Description of the parameter
DEFAULT_VALUE	NOT NULL	VARCHAR2(40)	Default value of the parameter
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_PARM_TYP_PK	UNIQUE	1	PARAMETER

RH_RSCL_TBL

THIS TABLE IS NOT CURRENTLY USED.

Column Descriptions

Name	Null	Type	Description
SCHEDULE_ID (PK)	NOT NULL	NUMBER	Surrogate id of the schedule.
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization code
RESOURCES (PK)	NOT NULL	VARCHAR2(16)	Resource code
CALENDAR_ID	NOT NULL	NUMBER	Surrogate id for the calendar
DATE_EXPORTED	NOT NULL	DATE	Not used now
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
RH_RSCL_TBL_PK	UNIQUE	1	SCHEDULE_ID
		2	ORGN_CODE
		3	RESOURCES

SY_DOCS_MST

Oracle Process Manufacturing Document master. This table stores document definitions used by inventory, resource and costing transactions in OPM.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
DOC_TYPE (PK)	NOT NULL	VARCHAR2(4)	Document type.
DOC_DESC	NOT NULL	VARCHAR2(40)	Description of the document in the default language.
DESC_ENGLISH	NOT NULL	VARCHAR2(40)	Description of the document in english.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
SY_DOCS_MST_PK	UNIQUE	10	DOC_TYPE

SY_DOCS_SEQ

Document sequencing by OPM organization. Maintains document number assignment rules including auto assignment. Does not support blank padding characters.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_DOCS_MST	DOC_TYPE	DOC_TYPE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_ORGN_MST	ORGN_CODE	SY_DOCS_SEQ_ORGN_CODE
SY_ORGN_MST	ORGN_CODE	SY_DOCS_SEQ_ORGN_CODE2
SY_ORGN_MST	ORGN_CODE	SY_DOCS_SEQ_ORGN_CODE3
SY_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
DOC_TYPE (PK)	NOT NULL	VARCHAR2(4)	Document type for which the document sequencing rules are defined.
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization for which document sequencing rules are defined.
ASSIGNMENT_TYPE	NOT NULL	NUMBER(5)	1= manual assignment; 2=auto integer sequencing.
LAST_ASSIGNED	NULL	NUMBER(10)	Last integer assigned to the document in the organization.
FORMAT_SIZE	NULL	NUMBER(5)	Size of the document number. Must be greater than 0, less than 11.
PAD_CHAR	NULL	VARCHAR2(1)	Padding character used for padding leading spaces in the document number. Either blank or zero.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DUMMY_FILL	NULL	VARCHAR2(255)	Used to enlarge record so it fills more of a logical database page.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
SY_DOCS_SEQ_ORGN_CODE	NULL	VARCHAR2(4)	
SY_DOCS_SEQ_ORGN_CODE2	NULL	VARCHAR2(4)	
SY_DOCS_SEQ_ORGN_CODE3	NOT NULL	VARCHAR2(4)	

Indexes

Index Name	Index Type	Sequence	Column Name
SY_DOCS_SEQ_PK	UNIQUE	10	DOC_TYPE
		20	ORGN_CODE

SY_ORGN_MST

Organization code (business unit) master for Oracle Process Manufacturing. Define organization codes and addresses here. This table is linked to HR_ORGANIZATION_UNITS by ORGANIZATION_ID, where a one to one relationship exists. It also stores Resource Warehouse as used in the APS integration.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_ADDR_MST	ADDR_ID	ADDR_ID
SY_DOCS_SEQ	ORGN_CODE	SY_ORGN_MST_ORGN_CODE
ORGN_MST_DOC_TYPE		DOC_TYPESY_
SY_ORGN_MST	ORGN_CODE	CO_CODE
SY_ORGN_MST	ORGN_CODE	PARENT_ORGN_CODE
SY_TEXT_HDR	TEXT_CODE	TEXT_CODE
TX_TLOC_CDS	TAXLOC_CODE	TAXLOC_CODE

Column Descriptions

Name	Null	Type	Description
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization code.
ORGN_NAME	NOT NULL	VARCHAR2(40)	Organization name.
PARENT_ORGN_CODE	NOT NULL	VARCHAR2(4)	Orgn to which orgn_code reports. Must already exist in the table.
CO_CODE	NOT NULL	VARCHAR2(4)	Company code of the organization.
PLANT_IND	NOT NULL	NUMBER(5)	0=no the organization is not a plant; 1=yes the organization is a plant.
ADDR_ID	NULL	NUMBER(10)	Surrogate of the organization address.
ORGANIZATION_ID	NOT NULL	NUMBER(15)	Foreign reference to HR_ORGANIZATION_UNITS
TAXLOC_CODE	NULL	VARCHAR2(10)	Tax Location Code for this organization (FK to TX_TLOC_CDS)
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NOT NULL	NUMBER(10)	Not currently used
POC_IND	NOT NULL	NUMBER(5)	0=Do not generate POC transactions for organization; 1=Generate POC transactions for organization
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
RESOURCE_WHSE_CODE	NULL	VARCHAR2(4)	Resource warehouse code associated to Plants
SY_ORGN_MST_ORGN_CODE	NOT NULL	VARCHAR2(4)	
SY_ORGN_MST_DOC_TYPE	NOT NULL	VARCHAR2(4)	

Indexes

Index Name	Index Type	Sequence	Column Name
SY_ORGN_MST_PK	UNIQUE	10	ORGN_CODE
SY_ORGN_MST_U1	UNIQUE	10	ORGANIZATION_ID

SY_UOMS_MST

Unit of measure master for Oracle Process Manufacturing. Synchronized with MTL_UNITS_OF_MEASURE and associated tables when Oracle Financials is used.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_TYP	UM_TYPE	UM_TYPE

Column Descriptions

Name	Null	Type	Description
UM_CODE (PK)	NOT NULL	VARCHAR2(4)	Unit of Measure code for which the conversion is defined.
UM_DESC	NOT NULL	VARCHAR2(40)	Description of the Unit of Measure
UM_TYPE	NOT NULL	VARCHAR2(10)	The Unit of Measure Type associated with each Unit of Measure
STD_FACTOR	NOT NULL	NUMBER	Conversion factor to the reference UOM of the same Type.
RND_FACTOR	NOT NULL	NUMBER	Unused, defaulted to 0.
REF_UM	NULL	VARCHAR2(4)	Reference Unit of Measure for the same Unit of Measure Type.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
SY_UOMS_MST_PK	UNIQUE	10	UM_CODE

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