Oracle® Process Manufacturing Process Execution Technical Reference Manual

RELEASE 11*i*

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ORACLE

OPM Process Execution Technical Reference Manual

Release 11*i*

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Oracle Process Manufacturing Process Execution Technical Reference Manual

Part No. A81215-01

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1

Introduction

The *Oracle Process Manufacturing Process Execution 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 Execution Technical Reference Manual*, and explains how to use it.

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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 Execution 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 Execution 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 Execution 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*).

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Audience

The *Oracle Process Manufacturing Process Execution 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 Execution 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

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- 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 Execution 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 Execution 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.

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Other Information Sources

There are additional information sources, including other documentation, training and support services, that you can use to increase your knowledge and understanding of Oracle Designer, Oracle Application Object Library, and 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 11*i* 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.

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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.

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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.

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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.

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About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support, and office automation, as well as Oracle Applications, an integrated suite of more than 75 software modules for financial management, supply chain management, manufacturing, project systems, human resources, and sales and service management.

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

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

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2

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 Execution building blocks, lists of database tables and views, and a list of modules.

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Overview of High-Level Design

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

You can refer to this High-Level Design chapter to quickly acquaint yourself with the tables, views, and modules that comprise OPM Process Execution. 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 Execution tables and the relationships between them, organized by building block.

Use this section to quickly learn what tables each OPM Process Execution 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 Execution 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.

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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 Execution; we do not provide additional documentation for these tables.

View Lists

The View List sections list the OPM Process Execution 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 11*i* data model, but simplify coding or improve performance for Oracle Developer.

Internal Views

This section includes each private, internal view that OPM Process Execution uses.

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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 Execution 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 Execution. Use your user's guide to learn more about reports and concurrent processes.

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Summary Database Diagram

This Summary Database Diagram graphically represents the most important OPM Process Execution 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 Execution 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 Execution tables and the relationships between them, see the Database DIagrams section in this chapter.

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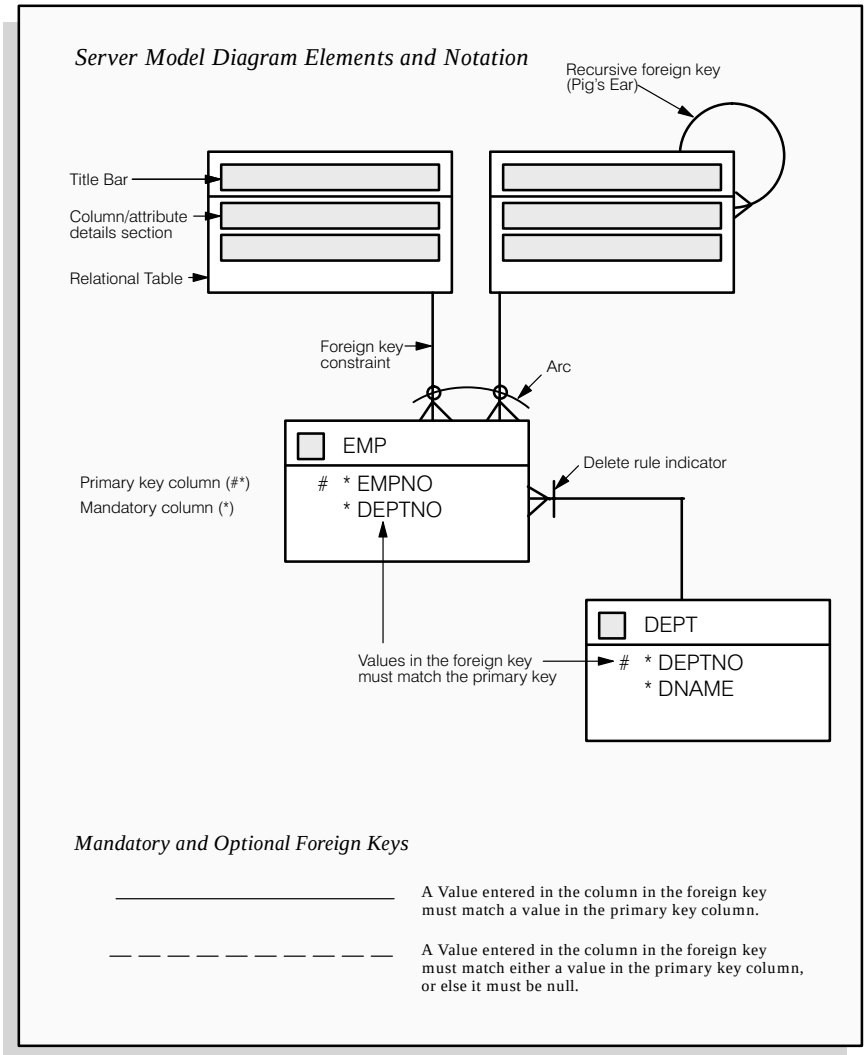
Database Diagramming Conventions

We use the following notational conventions in our database diagrams:



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 Execution tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each OPM Process Execution 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 Execution building blocks:

- Diagram 1:Process Operation Control
- Diagram 2:Production Management

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_

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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.

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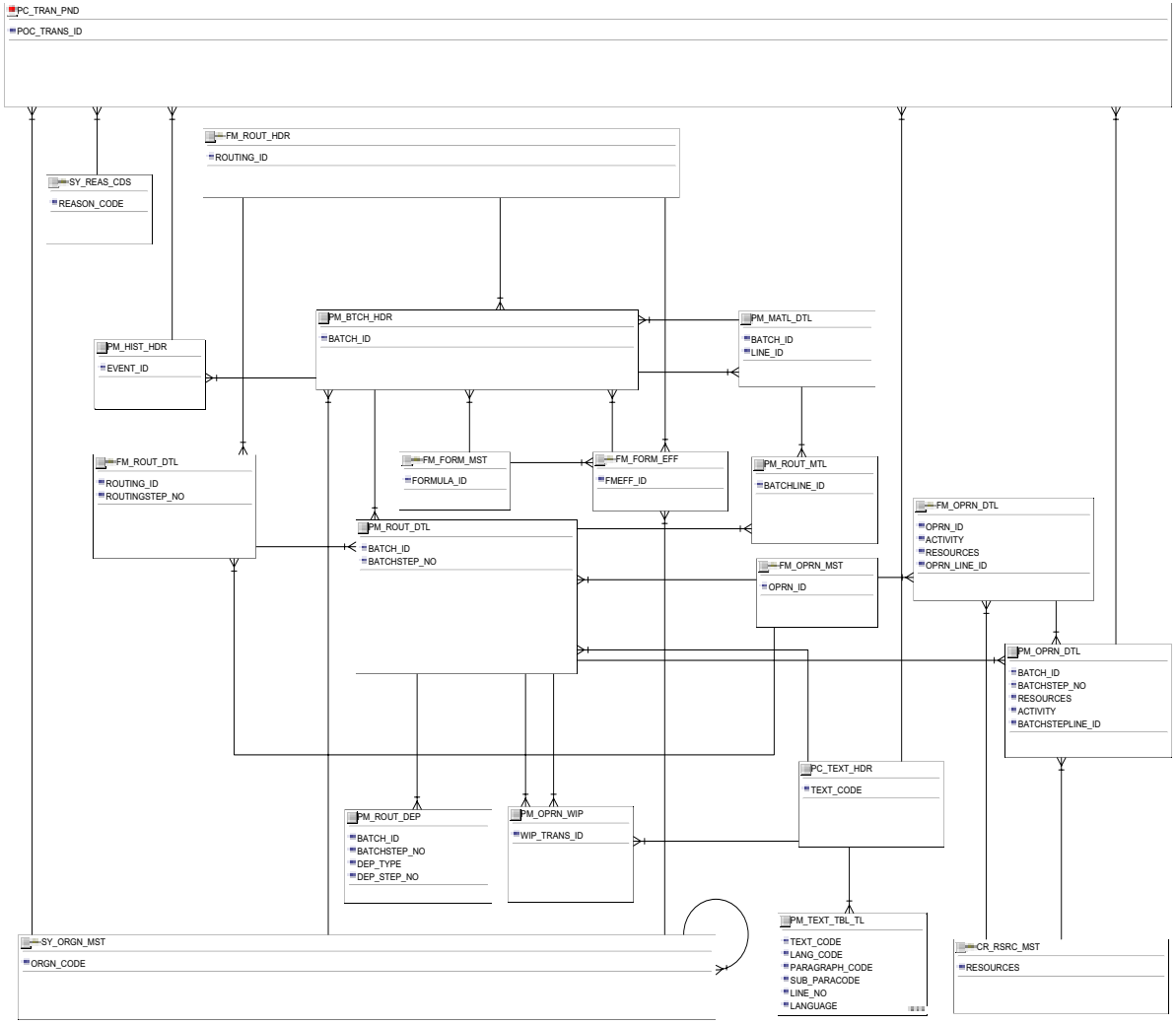
Process Operation Control



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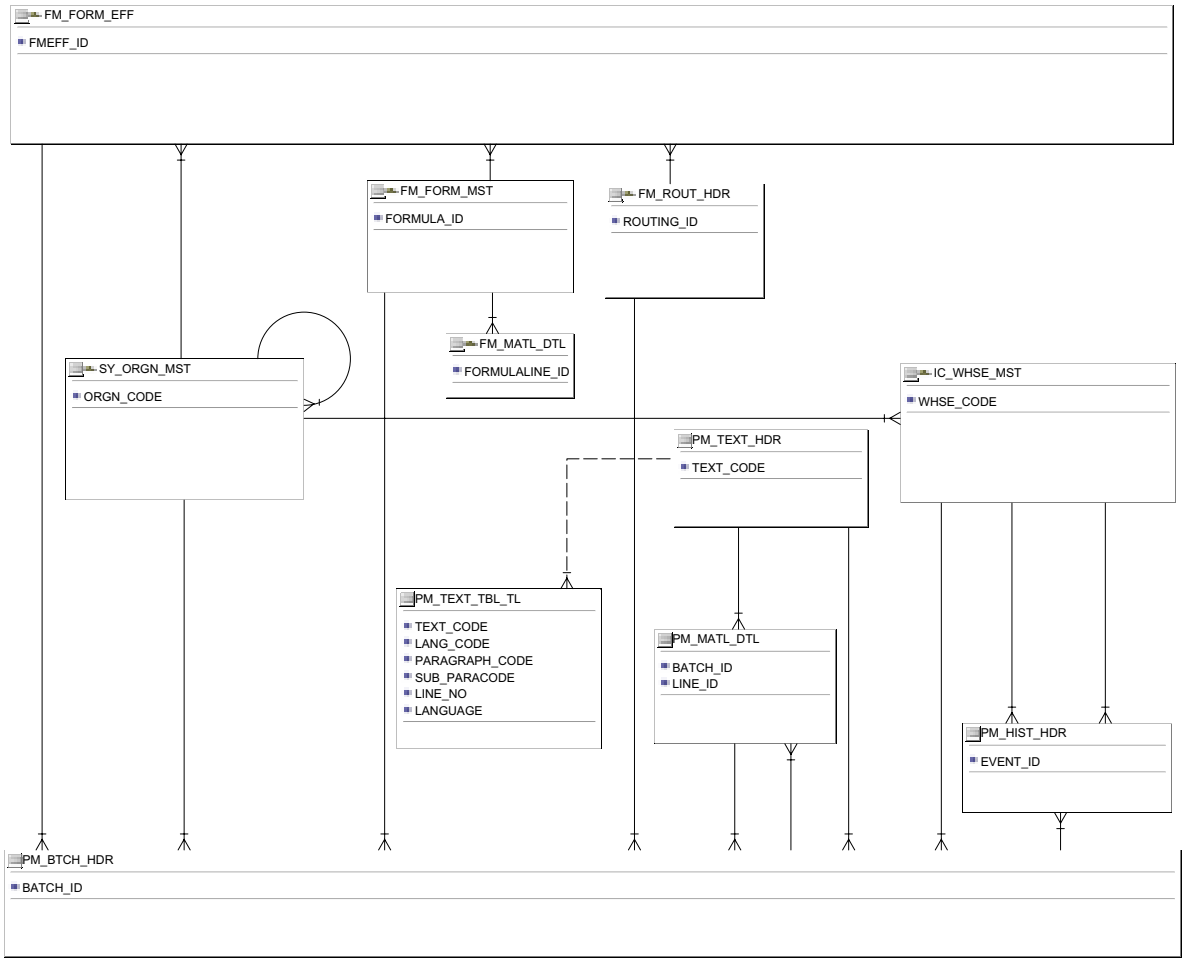
Production Management



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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_ALYS_MST	Cost Analysis Code Master Table
CM_CMPT_MST	Cost Component Master
CR_RSRC_MST	Resource master
FM_ACTV_MST	Activity master. Defines activities which are performed in operations.
FM_FORM_EFF	Formula/routing effectivities. Conditions under which a Formula/Routing can be used
FM_FORM_MST	Formula header table
FM_MATL_DTL	Formula material details - contains products,byproducts and ingredient information
FM_OPRN_DTL	Operation details. Specifies the resources, activities and their usage.
FM_OPRN_MST	Operation master
FM_ROUT_CLS	Routing class - used to group routings.
FM_ROUT_DEP	Routing step dependencies
FM_ROUT_DTL	Routing details
FM_ROUT_HDR	Routing header
FM_ROUT_MTL	Routing Steps to Formula Lines Association
FM_TEXT_HDR	Table used to store text types for Formula Model
FND_USER	Application users
IC_ALLC_CLS	Automatic Allocation class
IC_ALOT_PRM	Automatic lot allocation parameters

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Table Name	Description
IC_CLDR_DTL	Inventory calendar detail
IC_CLDR_HDR	This table contains header information for the inventory calendar. The fiscal year is defined, calendar periods will be setup in the IC_CLDR_DTL table.
IC_ITEM_CNV	This table contains the Item / lot conversion factors.
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_LOCT_INV	Location inventory table.
IC_LOCT_MST	This table contains location information for location controlled warehouses.
IC_LOTS_MST	This is the lot master table. This table stores data about individual lots for an item.
IC_LOTS_STS	Lot status table.
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. 6)
IC_TRAN_PND	Pending inventory transactions
IC_WHSE_MST	Warehouse master.This table contains warehouse definition information.
PC_BATCH_STEP_WK	Batch Step Variance Inquiry table.
PC_RESOURCE_WK	Resource Variance Inquiry table.
PC_TEXT_HDR	Table used to store text types for POC
PC_TEXT_TBL_TL	PC Module Text Lines. Descriptive text for all tables in this module.
PC_TRAN_PND	POC transaction table.
PC_WIP_INQ_WK	WIP Inquiry table.
PM_BTCH_HDR	Batch / FPO header.
PM_BTCH_PKG	* NOT USED *
PM_HIST_HDR	Production history table.
PM_MATL_DTL	Batch or FPO material details.

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Table Name	Description
PM_OPRN_DTL	Batch operation details.
PM_OPRN_WIP	Completed incoming / output WIP transactions.
PM_ROUT_DEP	Non-standard batch steps dependencies.
PM_ROUT_DTL	Batch routing steps.
PM_ROUT_MTL	Batch steps to batch lines relationships.
PM_SCAL_DTL	Variance reports table.
PM_TEXT_HDR	Table used to store text types for Production Management
PM_TEXT_TBL_TL	PM Module Text Lines. Descriptive text for all tables in this module.
PS_PLNG_CLS	Planning class definitions.
PS_WHSE_EFF	Plant-warehouse relationship (effectivity).
QC_GRAD_MST	QC grade code master.
SY_DOCS_MST	Document master.
SY_DOCS_SEQ	Document sequencing by organization.
SY_ORGN_MST	Organization code master.
SY_REAS_CDS	The Reason Code table is used to store Reason Code definitions which provide information on the increase or decrease in inventory. Reason codes are used to flag transactions and attach reasons to them.
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.
SY_UOMS_TYP	Unit of measure type master for Oracle Process Manufacturing products. Define unit of measure types here, which categorize Units of Measure. Synchronized with MTL_UOM_CLASSES

Public View List

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

Oracle Capacity uses the following public views:

View Name	Description
GEM_LOOKUPS	View of all OPM lookups
PC_TEXT_TBL_VL	
PM_TEXT_TBL_VL	

Module List

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

Forms

PCBOWED1	Batch Operation WIP
PCBSTED1	Batch Steps
PCBSVDB	Batch Step Variance Inquiry
PCMVRDB	Material Variance
PCRDPED1	Routing Step Dependencies
PCRFIED1	Formula/Routing Association
PCRSVDB	Resource Variance
PCWIPDB	WIP Inquiry
PMBCHED1	Production Batches
PMBCHED2	Batch Ingredients
PMBCHED3	Batch By-Products
PMCRTDB1	Create Batch or Firm Planned Order
PMEFFVW	Production View Effectivities
PMFPOED1	Firm Planned Order
PMINPDT1	Batch Input
PMISHDB1	Production Inventory Shortage
PMOUTDT1	Batch Output
PMPARTDB	Partial Certification
PMSCHDB1	Production Schedule
PMUNIDB1	Unallocated Items

Reports

PMR03USR	Material Usage and Substitution Variance Report
PMR06USR	Batch Yield Variance Report
RIPMBUSR	Batch Yield Variance Report
RIPMIUSR	Batch Pick List Report
RIPMSUSR	Production Activity Report

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3

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.

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Overview of Detailed Design

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

You can refer to this Detailed Design chapter to gain a detailed understanding of the underlying structure and processing of 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 Execution 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 Execution 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

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- 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 Execution 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.

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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 *upgraded* your software from an earlier version, you may still have this column, depending upon whether you chose to delete it during an upgrade process. If you *install* OPM, you do not have this column.

Standard Who Columns

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

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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.

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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.

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CM_ALYS_MST

This is the cost analysis code master table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name		Null	Type	Description
COST_ANALYSIS_CODE	(PK)	NOT NULL	VARCHAR2(4)	Cost Analysis Code
COST_ANALYSIS_DESC		NOT NULL	VARCHAR2(40)	Cost Analysis Code Description
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

Indexes

Index Name	Index Type	Sequence	Column Name
CM_ALYS_MST_PK	UNIQUE	1	COST_ANALYSIS_CODE

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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 aproduct 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 theGL 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.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

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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

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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

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FM_ACTV_MST

Activity master table. Defines activities which are performed in operations.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_ALYS_MST	COST_ANALYSIS_CODE	COST_ANALYSIS_CODE
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
ACTIVITY (PK)	NOT NULL	VARCHAR2(16)	Code for the activity.
ACTIVITY_DESC	NOT NULL	VARCHAR2(40)	Description of the activity.
COST_ANALYSIS_CODE	NOT NULL	VARCHAR2(4)	The cost analysis code for this activity, for example, is this a value added or non-value added activity.
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
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_ACTV_MST_PK	UNIQUE	10	ACTIVITY

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 effectiviity 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.

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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.
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

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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 20FORMULA_VERS

Sequences

Sequence	Derived Column
GEM5_FORMULA_ID_S	FORMULA_ID

FM_MATL_DTL

Formula material details. Product, ingredient, byproduct data for a formula.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_FORM_MST	FORMULA_ID	FORMULA_ID
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_ITEM_MST	ITEM_ID	ITEM_ID
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
FORMULALINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the formula line.
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key for the formula/version.
LINE_TYPE	NOT NULL	NUMBER(5)	1=product; -1=ingredient; 2=byprod.
LINE_NO	NOT NULL	NUMBER(5)	List order on screen within a line_type.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item on the formula line.
QTY	NOT NULL	NUMBER	Item qty produced or consumed.
ITEM_UM	NOT NULL	VARCHAR2(4)	Uom of qty.
RELEASE_TYPE	NOT NULL	NUMBER(5)	0=automatic release; 1=partial release.
SCRAP_FACTOR	NOT NULL	NUMBER	Scrap factor decimal used to calculate required qty.
SCALE_TYPE	NOT NULL	NUMBER(5)	0=fixed, no scaling; 1=proportional scaling.
COST_ALLOC	NULL	NUMBER	If product, fractional cost absorption.
PHANTOM_TYPE	NOT NULL	NUMBER(5)	Phantom indicator. 0=not a phantom, 1=automatic phantom replacement, 2=manual phantom.
REWORK_TYPE	NOT NULL	NUMBER(5)	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_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
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

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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
FM_MATL_DTLI1	NOT UNIQUE	1	ITEM_ID 2LINE_TYPE 3 FORMULA_ID
FM_MATL_DTLI2	NOT UNIQUE	1	FORMULA_ID 2LINE_TYPE
FM_MATL_DTL_PK	UNIQUE	10	FORMULALINE_ID
FM_MATL_DTL_U1	UNIQUE	10	FORMULA_ID 20LINE_TYPE 30 LINE_NO

Sequences

Sequence	Derived Column
GEM5_FORMULALINE_ID_S	FORMULALINE_ID

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FM_OPRN_DTL

Operation details. Specifies the resources, activities, and processing quantities.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_ALYS_MST	COST_ANALYSIS_CODE	COST_ANALYSIS_CODE
CM_CMPT_MST	COST_CMPNTCLS_ID	COST_CMPNTCLS_ID
CR_RSRC_MST	RESOURCES	RESOURCES
FM_ACTV_MST	ACTIVITY	ACTIVITY
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	USAGE_UM

Column Descriptions

Name	Null	Type	Description
OPRN_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the operation.
ACTIVITY (PK)	NOT NULL	VARCHAR2(16)	The activity performed by the resource to create the operation line.
RESOURCES (PK)	NOT NULL	VARCHAR2(16)	The resource used in the operation line.
OPRN_LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the operation line.
PROCESS_QTY	NOT NULL	NUMBER	Qty processed per resource_usage.
DEP_OPRN_LINE_ID	NULL	NUMBER(10)	Not currently used.
POC_CTL_CLASS	NULL	VARCHAR2(8)	Not currently used.
PRIM_RSRC_IND	NOT NULL	NUMBER(5)	0=Non-primary resource, 1=Primary resource, 2=Auxilliary
SCALE_TYPE	NOT NULL	NUMBER(5)	0=Non-scalable, 1=Linear scaling.
COST_ANALYSIS_CODE	NOT NULL	VARCHAR2(4)	The cost analysis code. Defaults from the activity, but can be overridden.
COST_CMPNTCLS_ID	NOT NULL	NUMBER(10)	Surrogate key for a cost component class. Defaults from the resource, but can be overridden.
RESOURCE_COUNT	NOT NULL	NUMBER(5)	Number of resources to use.
RESOURCE_USAGE	NOT NULL	NUMBER	Usage for 1 resource to do process_qty.
USAGE_UM	NOT NULL	VARCHAR2(4)	Uom for resource usage.
OFFSET_INTERVAL	NOT NULL	NUMBER	Time offset from operation start.
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
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
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

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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
FM_OPRN_DTLI1	UNIQUE	1	OPRN_LINE_ID
FM_OPRN_DTL_PK	UNIQUE	10	OPRN_ID 20ACTIVITY 30 RESOURCES 40 OPRN_LINE_ID

Sequences

Sequence	Derived Column
GEM5_OPRNLINE_ID_S	OPRN_LINE_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

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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_CLS

Routing class. Defines default values used to group routings.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
ROUTING_CLASS (PK)	NOT NULL	VARCHAR2(4)	Code for the routing class.
ROUTING_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of the routing class.
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
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
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
FM_ROUT_CLS_PK	UNIQUE	10	ROUTING_CLASS

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FM_ROUT_DEP

Routing step dependencies. Defines relationships from one step to another--sequences, delays, transfer quantities

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_ROUT_DTL	ROUTING_ID	ROUTING_ID ROUTINGSTEP_NO
ROUTINGSTEP_NO		
FM_ROUT_DTL	ROUTING_ID	ROUTING_ID ROUTINGSTEP_NODEP_
ROUTINGSTEP_NO		
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
ROUTINGSTEP_NO (PK)	NOT NULL	NUMBER(5)	Routingstep_no from fm_rout_dtl
DEP_ROUTINGSTEP_NO (PK)	NOT NULL	NUMBER(5)	Routingstep_no from fm_rout_dtl that is dependent upon the previously entered routingstep_no
ROUTING_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the routing for which step dependencies are defined.
DEP_TYPE	NOT NULL	NUMBER(5)	Dependency type (0=normal; 1=rework, not currently used).
REWORK_CODE	NULL	VARCHAR2(4)	Not currently used.
STANDARD_DELAY	NOT NULL	NUMBER	Period between start of dep_step and step.
MINIMUM_DELAY	NOT NULL	NUMBER	Minimum delay between start of dep_step and step. Not currently used.
MAX_DELAY	NOT NULL	NUMBER	Maximum delay between start of dep_step and step . Not currently used.
TRANSFER_QTY	NOT NULL	NUMBER	Not currently used.
ITEM_UM	NOT NULL	VARCHAR2(4)	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_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
FM_ROUT_DEP_PK	UNIQUE	10	ROUTINGSTEP_NO 20DEP_ROUTINGSTEP_
NO			30 ROUTING_ID

FM_ROUT_DTL

Routing details. Contains the operations that comprise a routing and their scaleability types.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_ROUT_HDR	ROUTING_ID	ROUTING_ID
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
ROUTING_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the routing.
ROUTINGSTEP_NO (PK)	NOT NULL	NUMBER(5)	Step number of routing step.
ROUTINGSTEP_ID	NOT NULL	NUMBER(10)	Surrogate key for the routing step.
OPRN_ID	NOT NULL	NUMBER(10)	Surrogate key for the operation performed in this step.
STEP_QTY	NOT NULL	NUMBER	Quantity processed by the routing step.
STEPRELEASE_TYPE	NOT NULL	NUMBER(5)	Step release type. 0=Automatic, 1=Manual.
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
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
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

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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_DTLI1	UNIQUE	1	ROUTINGSTEP_ID
FM_ROUT_DTLI2	NOT UNIQUE	10	OPRN_ID
FM_ROUT_DTL_PK	UNIQUE	10	ROUTING_ID 20ROUTINGSTEP_NO

Sequences

Sequence	Derived Column
GEM5_ROUTINGSTEP_ID_S	ROUTINGSTEP_ID

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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

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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 20ROUTING_VERS

Sequences

Sequence	Derived Column
GEM5_ROUTING_ID_S	ROUTING_ID

FM_ROUT_MTL

Contains the association between formula lines and routing steps.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_MATL_DTL	FORMULALINE_ID	FORMULALINE_ID
FM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
ROUTING_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the routing.
FORMULALINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key of the formula line to which a routing step is associated.
FORMULA_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the formula.
ROUTINGSTEP_NO	NULL	NUMBER(5)	Number of the routing step to which a formula line is associated.
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
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
FM_ROUT_MTLI1	NOT UNIQUE	1	FORMULA_ID 2ROUTING_ID 3 ROUTINGSTEP_NO
FM_ROUT_MTL_PK	UNIQUE	1	FORMULA_ID 2ROUTING_ID 3 FORMULALINE_ID

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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

IC_ALLC_CLS

Allocation class for automatic allocation in Production Management and Order Processing.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
ALLOC_CLASS (PK)	NOT NULL	VARCHAR2(8)	Allocation class code.
ALLOC_DESC	NOT NULL	VARCHAR2(70)	Allocation class description.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_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
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

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ALLC_CLS_PK	UNIQUE	10	ALLOC_CLASS

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IC_ALOT_PRM

Automatic lot allocation parameters for use in Production Management. Contains allocation parameters by warehouse and allocation class.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ALLC_CLS	ALLOC_CLASS	ALLOC_CLASS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE

Column Descriptions

Name	Null	Type	Description
ALLOC_CLASS (PK)	NOT NULL	VARCHAR2(8)	The allocation class for which allocation parameters are defined.
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	The warehouse in which the allocation parameters apply.
ALLOC_METHOD	NOT NULL	NUMBER(5)	Allocation method. 0=FIFO, 1=FEFO.
ALLOC_TYPE	NOT NULL	NUMBER(5)	Allocation type. 0=User initiated, 1=Fully automatic.
SHELF_DAYS	NOT NULL	NUMBER	Expiration buffer. Lots which expire within this number of days will not be allocated.
ALLOC_HORIZON	NOT NULL	NUMBER	Allocation horizon. Batches which begin this many days or more in the future will not be auto-allocated.
LOT_QTY	NOT NULL	NUMBER(5)	Single lot indicator. 0=Can allocate from multiple lots, 1=Must allocate from only one lot.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_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
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

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ALOT_PRM_PK	UNIQUE	10	ALLOC_CLASS 20WHSE_CODE

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IC_CLDR_DTL

This table holds inventory periods for use throughout OPM. This table is associated with IC_CLDR_HDR table which contains the calendar header information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_CLDR_HDR	FISCAL_YEAR	FISCAL_YEAR ORGN_CODEORGN_CODE
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
PERIOD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the period.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization for which the inventory calendar is defined.
FISCAL_YEAR	NOT NULL	VARCHAR2(4)	Name of the inventory calendar.
PERIOD	NOT NULL	NUMBER(5)	Number of the period.
PERIOD_END_DATE	NOT NULL	DATE	End date of the period.
PERIOD_DESC	NOT NULL	VARCHAR2(40)	Period description.
CLOSED_PERIOD_IND	NOT NULL	NUMBER(5)	Period status. 1=Open; 2=Preliminary close; 3=Final close.
CURRENT_PERIOD_IND	NOT NULL	NUMBER(5)	Not currently used.
PERIOD_TYPE	NOT NULL	NUMBER(5)	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
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
IC_CLDR_DTL_PK	UNIQUE	10	PERIOD_ID
IC_CLDR_DTL_U1	UNIQUE	10	ORGN_CODE 20FISCAL_YEAR 30 PERIOD

Sequences

Sequence	Derived Column
GEM5_PERIOD_ID_S	PERIOD_ID

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IC_CLDR_HDR

This table contains header information for the inventory calendar. The fiscal year is defined, calendar periods will be setup in the IC_CLDR_DTL table.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization for which the inventory calendar is defined.
FISCAL_YEAR (PK)	NOT NULL	VARCHAR2(4)	Code for the inventory calendar.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CALENDAR_DESC	NOT NULL	VARCHAR2(40)	Inventory calendar description.
BEGIN_DATE	NOT NULL	DATE	Start date for the calendar.
CLOSED_YEAR_IND	NOT NULL	NUMBER(5)	Not currently used.
CURRENT_YEAR_IND	NOT NULL	NUMBER(5)	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
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
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.

Indexes

Index Name	Index Type	Sequence	Column Name
IC_CLDR_HDR_PK	UNIQUE	10	ORGN_CODE 20FISCAL_YEAR

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IC_ITEM_CNV

This table contains the Item / lot conversion factors. Conversion factors can be created between the reference UOM for an item's primary UOM type and other UOM types, at the item, lot, and sublot level.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_LOTS_MST	LOT_ID	LOT_ID ITEM_IDITEM_ID
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_TYP	UM_TYPE	UM_TYPE

Column Descriptions

Name	Null	Type	Description
LOT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key identifying the lot/sublot for which a conversion is defined.
UM_TYPE (PK)	NOT NULL	VARCHAR2(10)	Unit of measure type to which you are converting.
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key identifying the item for which a conversion is defined.
TYPE_FACTOR	NOT NULL	NUMBER	Conversion factor. One unit of the conversion type (um_type) equals this many units of the items UOM type.
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
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
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TYPE_FACTORREV	NOT NULL	NUMBER	The inverse of type_factor (1/type_factor).
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ITEM_CNV_PK	UNIQUE	1	ITEM_ID 2LOT_ID 3 UM_TYPE

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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

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			are maintained.
DUALUM_IND	NOT NULL	NUMBER(5)	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.
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 sublot 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.

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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

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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
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_LOCT_INV

Location inventory table. This table stores the onhand inventory balance information by lot status at item / lot / sublot / warehouse / location level.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_LOTS_MST	ITEM_ID	ITEM_ID LOT_IDLOT_ID
IC_LOTS_STS	LOT_STATUS	LOT_STATUS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
QC_HRES_MST	QCHOLD_RES_CODE	QCHOLD_RES_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the item.
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	Warehouse in which the item is located.
LOT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the lot.
LOCATION (PK)	NOT NULL	VARCHAR2(16)	Location in which the item is located.
LOCT_ONHAND	NOT NULL	NUMBER	Current onhand quantity of the item/lot/sublot in the warehouse/location, expressed in the primary unit of measure for the item.
LOCT_ONHAND2	NULL	NUMBER	Current onhand quantity of the item/lot/sublot in the warehouse/location, expressed in the secondary unit of measure for the item, for dual UOM items.
LOT_STATUS	NULL	VARCHAR2(4)	Status of the lot in the warehouse/location.
QCHOLD_RES_CODE	NULL	VARCHAR2(4)	QC hold reason code.
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
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_LOCT_INV_PK	UNIQUE	10	ITEM_ID 20WHSE_CODE 30 LOT_ID 40 LOCATION

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IC_LOCT_MST

This table contains location information for location controlled warehouses.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
SY_UOMS_MST	UM_CODE	CAPACITY_UM

Column Descriptions

Name	Null	Type	Description
WHSE_CODE (PK)	NOT NULL	VARCHAR2(4)	Warehouse in which the location exists.
LOCATION (PK)	NOT NULL	VARCHAR2(16)	Code for the location.
LOCT_DESC	NULL	VARCHAR2(40)	Description of the location.
CAPACITY	NULL	NUMBER	Capacity of the location.
CAPACITY_UM	NULL	VARCHAR2(4)	Unit of measure in which the capacity is expressed.
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
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

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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_LOCT_MST_PK	UNIQUE	10	WHSE_CODE 20LOCATION

IC_LOTS_MST

This is the lot master table. This table stores data about individual lots for an item.

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
PO_VEND_MST	VENDOR_ID	SHIPVEND_ID
QC_ACTN_MST	ACTION_CODE	EXPACTION_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE

Column Descriptions

Name	Null	Type	Description
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the item.
LOT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the lot/sublot. 0 identifies the default lot. LOT_ID is set to '0' for items without lot control.
LOT_NO	NOT NULL	VARCHAR2(32)	Code for the lot.
SUBLOT_NO	NULL	VARCHAR2(32)	Code for the sublot.
LOT_DESC	NULL	VARCHAR2(40)	Description of the lot.
QC_GRADE	NULL	VARCHAR2(4)	QC grade of the lot.
EXPACTION_CODE	NULL	VARCHAR2(4)	Code identifying the action to be taken when the lot expires.
EXPACTION_DATE	NULL	DATE	Date the expaction_code action should be taken.
LOT_CREATED	NOT NULL	DATE	Lot creation date.
EXPIRE_DATE	NULL	DATE	Lot expiration date.
RETEST_DATE	NULL	DATE	Date the lot should be retested.
STRENGTH	NOT NULL	NUMBER	Strength of the lot.
INACTIVE_IND	NOT NULL	NUMBER(5)	Inactive indicator. 0=Active, 1=Inactive.
ORIGINATION_TYPE	NOT NULL	NUMBER(5)	Origination type. 0=Lot was created on Lot/Sublot form or Inventory Quantities form, 1=Lot was created through Production or Receiving.
SHIPVEND_ID	NULL	NUMBER(10)	Surrogate key of the vendor who shipped you the lot.
VENDOR_LOT_NO	NULL	VARCHAR2(32)	Vendor lot number.
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)	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
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column

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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
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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
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ATTRIBUTE21	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_LOTS_MST_I1	UNIQUE	1	LOT_NO 2SUBLOT_NO 3 ITEM_ID
IC_LOTS_MST_PK	UNIQUE	10	ITEM_ID 20LOT_ID

Sequences

Sequence	Derived Column
GEM5_LOT_ID_S	LOT_ID

IC_LOTS_STS

Lot status table. Defines whether lots with a given status are usable for certain functions (sales order processing, production, shipping).

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_HRES_MST	QCHOLD_RES_CODE	QCHOLD_RES_CODE

Column Descriptions

Name	Null	Type	Description
LOT_STATUS (PK)	NOT NULL	VARCHAR2(4)	Code for the lot status.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
STATUS_DESC	NOT NULL	VARCHAR2(40)	Description of status.
QCHOLD_RES_CODE	NULL	VARCHAR2(4)	Reason code for qc hold.
NETTABLE_IND	NOT NULL	NUMBER(5)	Indicates whether lots with this status are considered by MRP. 0=Lots are not considered by MRP, 1=Lots are considered by MRP.
ORDER_PROC_IND	NOT NULL	NUMBER(5)	0=Not available for sales orders; 1=Available for sales orders if nettable and not rejected.
PROD_IND	NOT NULL	NUMBER(5)	0=Not available for production; 1=Available for production if nettable and not rejected.
SHIPPING_IND	NOT NULL	NUMBER(5)	0=Not available for shipping; 1=Available for shipping if nettable and not rejected.
REJECTED_IND	NOT NULL	NUMBER(5)	0=lot accepted; 1=lot rejected.
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
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

Indexes

Index Name	Index Type	Sequence	Column Name
IC_LOTS_STS_PK	UNIQUE	10	LOT_STATUS

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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

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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 20ORGN_CODE

Sequences

Sequence	Derived Column
GEM5_PLNTINV_ID_S	PLNTINV_ID

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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 itemif 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 20WHSE_CODE 30 QC_GRADE

Sequences

Sequence	Derived Column
GEM5_SUMM_INV_ID_S	SUMM_INV_ID

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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 secodary 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.

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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 2LOT_ID 3 WHSE_CODE 4 LOCATION
IC_TRAN_PNDI2	NOT UNIQUE	1	DOC_TYPE 2DOC_ID 3 LINE_ID
IC_TRAN_PNDI3	NOT UNIQUE	1	LINE_ID
IC_TRAN_PNDI4	NOT UNIQUE	1	ITEM_ID 2COMPLETED_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

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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 consigment 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
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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

Indexes

Index Name	Index Type	Sequence	Column Name
IC_WHSE_MST_PK	UNIQUE	10	WHSE_CODE

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PC_BATCH_STEP_WK

Table used forstoring temporary data for running the Batch Step Variance Inquiry.

Column Descriptions

Name	Null	Type	Description
SEQ_ID (PK)	NOT NULL	NUMBER(15)	Unique key identifying a run of the inquiry.
BATCH_ID (PK)	NOT NULL	NUMBER	Key identifying a batch.
BATCH_STEPS	NOT NULL	NUMBER	Number of steps in the batch.
ROUT_STEPS	NOT NULL	NUMBER	Number of steps in the routing on which the batch was based.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PC_BATCH_STEP_WK_PK	UNIQUE	10	SEQ_ID 20BATCH_ID

Sequences

Sequence	Derived Column
GEM5_RSV_ID_S	SEQ_ID

PC_RESOURCE_WK

Table used for storing temporary data for running the Resource Variance Inquiry.

Column Descriptions

Name	Null	Type	Description
SEQ_ID (PK)	NOT NULL	NUMBER(15)	Unique key identifying a run of the inquiry.
RESOURCES (PK)	NOT NULL	VARCHAR2(16)	A resource used in a batch step.
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key identifying a batch.
BATCHSTEP_NO (PK)	NOT NULL	NUMBER(5)	Number identifying a batch step.
ACTIVITY (PK)	NOT NULL	VARCHAR2(16)	Activity performed by a resource in a batch step.
ACTUAL_START_DATE	NOT NULL	DATE	Actual start date of a batch step.
PLAN_RSRC_USAGE	NOT NULL	NUMBER	Planned usage of the resource.
ACTUAL_RSRC_USAGE	NOT NULL	NUMBER	Actual usage of the resource.
USAGE_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which the usage is measured.
ACTUAL_RSRC_COUNT	NOT NULL	NUMBER	Actual number of the specific resource which were used.
PLAN_RSRC_COUNT	NOT NULL	NUMBER	Number of specific resources which were planned to be used.
ACTUAL_USAGE	NOT NULL	NUMBER	Actual usage of the resource, converted to the UOM specified by SY$UOM_HOURS.
PLND_USAGE	NOT NULL	NUMBER	Planned usage of the resource, converted to the UOM specified by SY$UOM_HOURS.
PLAN_CMPLT_DATE	NOT NULL	DATE	Planned completion date of the batch step.
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
ACTUAL_CMPLT_DATE	NOT NULL	DATE	Actual completion date of the batch step.
PLAN_START_DATE	NOT NULL	DATE	Planned start date of the batch step.

Indexes

Index Name	Index Type	Sequence	Column Name
PC_RESOURCE_WK_PK	UNIQUE	10	SEQ_ID 20RESOURCES 30 BATCH_ID 40 BATCHSTEP_NO 50 ACTIVITY

Sequences

Sequence	Derived Column
GEM5_RSV_ID_S	SEQ_ID

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PC_TEXT_HDR

Master table for creation and storage of text codes associated with POC 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
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
PC_TEXT_HDR_PK	UNIQUE	10	TEXT_CODE

PC_TEXT_TBL_TL

PC module text lines. Descriptive text for all tables in this module.

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 descripitive 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
PC_TEXT_TBL_TL_PK	UNIQUE	10	TEXT_CODE 20LANG_CODE 30 PARAGRAPH_CODE 40 SUB_PARACODE 50 LINE_NO 60 LANGUAGE

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PC_TRAN_PND

Process operations control transaction table. This table stores resource transactions created in POC.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PM_HIST_HDR	EVENT_ID	EVENT_ID
SY_DOCS_MST	DOC_TYPE	DOC_TYPE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_REAS_CDS	REASON_CODE	REASON_CODE
SY_UOMS_MST	UM_CODE	TRANS_UM

Column Descriptions

Name	Null	Type	Description
POC_TRANS_ID (PK)	NOT NULL	NUMBER(10)	Key identifying a POC transaction.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code of the POC transaction.
DOC_TYPE	NOT NULL	VARCHAR2(4)	Type of document that created the POC transaction.
DOC_ID	NOT NULL	NUMBER(10)	Surrogate key of the document that created the POC transaction.
LINE_TYPE	NOT NULL	NUMBER(5)	Type of line.
LINE_ID	NOT NULL	NUMBER(10)	Surrogate key of the document line that created the POC transaction.
RESOURCES	NOT NULL	VARCHAR2(16)	Resource used in the transaction.
RESOURCE_USAGE	NOT NULL	NUMBER	Quantity of the resource used.
TRANS_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which resource_usage is expressed.
TRANS_DATE	NOT NULL	DATE	Date of the POC transaction.
COMPLETED_IND	NOT NULL	NUMBER(5)	Completed indicator. 0=Pending, 1=Comleted.
EVENT_ID	NULL	NUMBER(10)	Event id.
POSTED_IND	NOT NULL	NUMBER(5)	Posted indicator. 0=Not posted, 1=Posted.
REASON_CODE	NULL	VARCHAR2(4)	Reason code associated with the POC transaction.
START_DATE	NOT NULL	DATE	Date/time the POC transaction started.
END_DATE	NOT NULL	DATE	Date/time the POC transaction ended.
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(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

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

Indexes

Index Name	Index Type	Sequence	Column Name
PC_TRAN_PND_I2	NOT UNIQUE	5	DOC_TYPE 10DOC_ID 15 LINE_ID
PC_TRAN_PND_PK	UNIQUE	10	POC_TRANS_ID

Sequences

Sequence	Derived Column
GEM5_POC_TRANS_ID_S	POC_TRANS_ID

PC_WIP_INQ_WK

Table used to store temporary data for the WIP Inquiry.

Column Descriptions

Name	Null	Type	Description
SEQ_ID (PK)	NOT NULL	NUMBER(15)	Unique key identifying a run of the inquiry.
BATCH_ID (PK)	NOT NULL	NUMBER	Surrogate key identifying a batch..
STEPS_TOTAL	NOT NULL	NUMBER	Total number of steps in the batch.
STEPS_CLOSED	NOT NULL	NUMBER	Total number of steps either Certified or Closed.
STEPS_PENDING	NOT NULL	NUMBER	Total number of steps either Pending or WIP.
LAST_UPDATE_LOGIN	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
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PC_WIP_INQ_WK_PK	UNIQUE	10	SEQ_ID 20BATCH_ID

Sequences

Sequence	Derived Column
GEM5_RSV_ID_S	SEQ_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 andcompletion 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.

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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 2BATCH_STATUS 3 BATCH_NO
PM_BTCH_HDRI3	NOT UNIQUE	1	PARENTLINE_ID

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

Sequences

Sequence	Derived Column
GEM5_BATCH_ID_S	BATCH_ID

PM_BTCH_PKG

THIS TABLE IS NOT CURRENTLY USED.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PM_BTCH_HDR	BATCH_ID	PKG_BATCH_ID
PM_BTCH_HDR	BATCH_ID	BULK_BATCH_ID
PM_MATL_DTL	LINE_ID	BULK_LINE_ID BATCH_IDBULK_BATCH_ID

Column Descriptions

Name	Null	Type	Description
BULK_BATCH_ID (PK)	NOT NULL	NUMBER(10)	Batch_id of the incoming bulk batch.
BULK_LINE_ID (PK)	NOT NULL	NUMBER(10)	Line_id of the product to package.
PKG_BATCH_ID (PK)	NOT NULL	NUMBER(10)	Batch_id of the packaging batch.
CREATED_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
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PM_BTCH_PKG_PK	UNIQUE	10	BULK_BATCH_ID 20BULK_LINE_ID 30 PKG_BATCH_ID

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PM_HIST_HDR

Production history table. History table for the production events. Records event with financial implications, such as status changes and WIP warehouse changes.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_WHSE_MST	WHSE_CODE	ORIG_WIP_WHSE
IC_WHSE_MST	WHSE_CODE	NEW_WIP_WHSE
PM_BTCH_HDR	BATCH_ID	BATCH_ID

Column Descriptions

Name	Null	Type	Description
EVENT_ID (PK)	NOT NULL	NUMBER(10)	Event id used to identify the production event.
BATCH_ID	NOT NULL	NUMBER(10)	Surrogate key for the batch.
ORIG_STATUS	NOT NULL	NUMBER(10)	Batch status prior to the event represented by the event_id.
NEW_STATUS	NOT NULL	NUMBER(10)	Batch status after the event.
ORIG_WIP_WHSE	NOT NULL	VARCHAR2(4)	Original wip warehouse prior to the event represented by event_id.
NEW_WIP_WHSE	NOT NULL	VARCHAR2(4)	New wip warehouse after the event.
GL_POSTED_IND	NOT NULL	NUMBER(10)	0=Event has not been posted to GL, 1=Event has been posted to GL.
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
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column

Indexes

Index Name	Index Type	Sequence	Column Name
PM_HIST_HDR_PK	UNIQUE	10	EVENT_ID

Sequences

Sequence	Derived Column
GEM5_BATCH_EVENT_ID_S	EVENT_ID

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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.

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COST	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
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 2LINE_TYPE 3 LINE_NO
PM_MATL_DTL_PK	UNIQUE	10	BATCH_ID 20LINE_ID

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PM_OPRN_DTL

Batch operation (step) details. This table contains infromation for each resource / activity combination within a batch step.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_ALYS_MST	COST_ANALYSIS_CODE	COST_ANALYSIS_CODE
CM_CMPT_MST	COST_CMPNTCLS_ID	COST_CMPNTCLS_ID
CR_RSRC_MST	RESOURCES	RESOURCES
FM_ACTV_MST	ACTIVITY	ACTIVITY
FM_OPRN_DTL	OPRN_LINE_ID	OPRN_LINE_ID
PM_ROUT_DTL	BATCH_ID	BATCH_ID BATCHSTEP_NOBATCHSTEP_NO
PM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	USAGE_UM

Column Descriptions

Name	Null	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the batch.
BATCHSTEP_NO (PK)	NOT NULL	NUMBER(5)	The number of the batch step performing the operation.
RESOURCES (PK)	NOT NULL	VARCHAR2(16)	The resource used by the operation.
ACTIVITY (PK)	NOT NULL	VARCHAR2(16)	The activity performed in the operation.
BATCHSTEPLINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the batch step line.
OPRN_LINE_ID	NULL	NUMBER(10)	Surrogate key to the operation line, 0 if a resource/activity was inserted for the batch.
COST_ANALYSIS_CODE	NOT NULL	VARCHAR2(4)	Cost analysis code, defaults from fm_oprn_dtl.
COST_CMPNTCLS_ID	NOT NULL	NUMBER(10)	Surrogate key for a cost component class , defaults from fm_oprn_dtl.
PRIM_RSRC_IND	NOT NULL	NUMBER(5)	Primary resource indicator. 0=Not primary resource, 1=Primary resource.
SCALE_TYPE	NOT NULL	NUMBER(5)	Scale type. 0=Non-scaleable, 1=Linear scaling.
PLAN_RSRC_COUNT	NOT NULL	NUMBER	Planned resource count, defaults from fm_oprn_dtl.
ACTUAL_RSRC_COUNT	NULL	NUMBER	Actual resource count, recorded during WIP or certification.
PLAN_RSRC_QTY	NOT NULL	NUMBER	Planned quantity processed by the resource.
ACTUAL_RSRC_QTY	NULL	NUMBER	Actual quantity processed by the resource.
PLAN_RSRC_USAGE	NOT NULL	NUMBER	Planned resource usage, defaults from fm_oprn_dtl.
ACTUAL_RSRC_USAGE	NULL	NUMBER	Actual resource usage, recorded during WIP or certification.
USAGE_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which the usage is expressed.
DEP_OPRN_LINE_ID	NULL	NUMBER(10)	Surrogate key to the operation line that this step depends on.
OFFSET_INTERVAL	NOT NULL	NUMBER	Time offset in hours from operation start to this resource/activity.
PLAN_START_DATE	NOT NULL	DATE	Planned start date/time for this step.
ACTUAL_START_DATE	NULL	DATE	Actual start date/time for this step.

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PLAN_CMPLT_DATE	NOT NULL	DATE	Planned completion date/time for this step.
ACTUAL_CMPLT_DATE	NULL	DATE	Actual completion date/time for this step.
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
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
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_OPRN_DTL_PK	UNIQUE	10	BATCH_ID 20BATCHSTEP_NO 30 RESOURCES 40 ACTIVITY 50 BATCHSTEPLINE_ID

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Sequences

Sequence	Derived Column
GEM5_BATCHSTEPLINE_ID_S	BATCHSTEPLINE_ID

PM_OPRN_WIP

This table records information (quantity and date) about material that a step has received from a previous step and material that it has sent on to a subsequent step.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PM_ROUT_DTL	BATCH_ID	BATCH_ID BATCHSTEP_NOBATCHSTEP_NO
PM_ROUT_DTL	BATCH_ID	BATCH_ID BATCHSTEP_NOTRANSFER_ STEP_NO
SY_UOMS_MST	UM_CODE	TRANS_UM

Column Descriptions

Name	Null	Type	Description
WIP_TRANS_ID (PK)	NOT NULL	NUMBER(10)	Key to the WIP transaction.
BATCH_ID	NOT NULL	NUMBER(10)	Surrogate key to the batch.
BATCHSTEP_NO	NOT NULL	NUMBER(5)	Number of the batch step.
TRANSFER_STEP_NO	NOT NULL	NUMBER(5)	Transfer step.
LINE_TYPE	NOT NULL	NUMBER(5)	Line type.
TRANS_QTY	NOT NULL	NUMBER	WIP transaction quantity.
TRANS_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which the trans_qty is expressed.
TRANS_DATE	NOT NULL	DATE	Date of the WIP transaction.
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
CREATION_DATE	NOT NULL	DATE	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
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

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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_OPRN_WIPI1	NOT UNIQUE	1	BATCH_ID 2BATCHSTEP_NO 3 LINE_TYPE
PM_OPRN_WIP_PK	UNIQUE	10	WIP_TRANS_ID

Sequences

Sequence	Derived Column
GEM5_WIP_TRANS_ID_S	WIP_TRANS_ID

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PM_ROUT_DEP

This table contains data about dependencies between batch steps. For example, the start of a step can be dependent on the completion of a previous step.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PM_ROUT_DTL	BATCH_ID	BATCH_ID BATCHSTEP_NOBATCHSTEP_NO
PM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	TRANSFER_UM

Column Descriptions

Name	Null	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the batch.
BATCHSTEP_NO (PK)	NOT NULL	NUMBER(5)	Number of the batch step.
DEP_TYPE (PK)	NOT NULL	NUMBER(5)	Dependency type.
DEP_STEP_NO (PK)	NOT NULL	NUMBER(5)	Batch step number of the dependent step.
REWORK_CODE	NULL	VARCHAR2(4)	Rework reason code.
STANDARD_DELAY	NOT NULL	NUMBER	Standard period from start of dep_step_no to this step, in hours.
MIN_DELAY	NOT NULL	NUMBER	Minumum period from start of dep_step_no to this step, in hours.
MAX_DELAY	NOT NULL	NUMBER	Maximum period from start of dep_step_no to this step, in hours.
TRANSFER_QTY	NOT NULL	NUMBER	Dependent step output required before this step can start.
TRANSFER_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which transfer_qty is expressed.
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
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
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
PM_ROUT_DEP_PK	UNIQUE	10	BATCH_ID 20BATCHSTEP_NO 30 DEP_TYPE 40 DEP_STEP_NO

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PM_ROUT_DTL

Batch steps table. This table contains data about each step (operation) in a batch, such as the step status and planned and actual start and completion dates.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_ROUT_DTL	ROUTINGSTEP_ID	ROUTINGSTEP_ID
PC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PM_BTCH_HDR	BATCH_ID	BATCH_ID

Column Descriptions

Name	Null	Type	Description
BATCH_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the batch.
BATCHSTEP_NO (PK)	NOT NULL	NUMBER(5)	Batch routing step number, defaults from fm_rout_dtl.
ROUTINGSTEP_ID	NULL	NUMBER(10)	Reference to standard routing step for variance calculations. 0 if step was inserted.
OPRN_ID	NOT NULL	NUMBER(10)	Surrogate key to the operation, defaults from fm_rout_dtl.
PLAN_STEP_QTY	NOT NULL	NUMBER	Planned step quantity.
ACTUAL_STEP_QTY	NULL	NUMBER	Actual quantity processed at this step to date.
BACKFLUSH_QTY	NULL	NUMBER	Backflushed step quantity.
PLAN_START_DATE	NOT NULL	DATE	Planned step start date/time.
ACTUAL_START_DATE	NULL	DATE	Actual step start date/time.
DUE_DATE	NOT NULL	DATE	Required step completion date/time.
EXPCT_CMPLT_DATE	NOT NULL	DATE	Expected completion date/time.
ACTUAL_CMPLT_DATE	NULL	DATE	Actual completion date/time.
STEP_CLOSE_DATE	NULL	DATE	Date/time step closed.
STEP_STATUS	NOT NULL	NUMBER(5)	Step status. 0=New, 1=Pending, 2=WIP, 3=Certified, 4=Closed, 5=Cancelled.
PRIORITY_CODE	NULL	VARCHAR2(4)	Nature of priority for this batch step.
PRIORITY_VALUE	NULL	NUMBER	Relative priority of this step in this batch to this step in other batches.
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(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
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

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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
STEPRELEASE_TYPE	NOT NULL	NUMBER(5)	Step release type. 0=Automatic, 1=Manual.

Indexes

Index Name	Index Type	Sequence	Column Name
PM_ROUT_DTL_PK	UNIQUE	10	BATCH_ID 20BATCHSTEP_NO

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PM_ROUT_MTL

This table defines relationship between batch steps and batch lines. For example, if the third ingredient in a batch is consumed in the second step, that information is stored in this table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PM_MATL_DTL	BATCH_ID	BATCH_ID LINE_IDBATCHLINE_ID
PM_ROUT_DTL	BATCH_ID	BATCH_ID BATCHSTEP_NOBATCHSTEP_NO
PM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
BATCHLINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the batch line.
BATCH_ID	NOT NULL	NUMBER(10)	Surrogate key to the batch.
BATCHSTEP_NO	NOT NULL	NUMBER(5)	Key to the batch step.
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
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
PM_ROUT_MTLI1	NOT UNIQUE	1	BATCH_ID 2BATCHSTEP_NO 3 BATCHLINE_ID
PM_ROUT_MTL_PK	UNIQUE	10	BATCHLINE_ID

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PM_SCAL_DTL

Table used by the Batch Yield Variance and Batch Usage and Substitution Variance reports to hold scaled batch data.

Column Descriptions

Name	Null	Type	Description
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate key identifying a formula line.
LINE_TYPE	NULL	NUMBER(5)	Line Type. -1=Ingredient; 1=Product; 2=Byproduct.
ITEM_ID	NULL	NUMBER(10)	Surrogate key identifying the item on the formula line.
QTY	NULL	NUMBER	The formula quantity of the item.
ITEM_UM	NULL	VARCHAR2(4)	The unit of measure in which the quantity is expressed in the formula.
SCALE_TYPE	NULL	NUMBER(5)	Scale type of the formula line. 0=Fixed (non-scaleable); 1=Linear scaling.
CONV_QTY	NULL	NUMBER	The scaled quantity.

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PM_TEXT_HDR

Master table for creation and storage of text codes associated with Production Management 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_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
PM_TEXT_HDR_PK	UNIQUE	10	TEXT_CODE

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PM_TEXT_TBL_TL

Production Management module text lines. Descriptive text for all tables in this module.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
PC_TEXT_HDR	TEXT_CODE	PM_TEXT_TBL_TL_TEXT_CODE

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 descripitive 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
PM_TEXT_TBL_TL_TEXT_CODE	NOT NULL	NUMBER(10)	

Indexes

Index Name	Index Type	Sequence	Column Name
PM_TEXT_TBL_TL_PK	UNIQUE	10	TEXT_CODE 20LANG_CODE 30 PARAGRAPH_CODE 40 SUB_PARACODE 50 LINE_NO 60 LANGUAGE

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PS_PLNG_CLS

Planning class definitions. Items and operators can be associated to these to support report groupings for item activityby 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)	- Retrofitted
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

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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

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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)	- Retrofitted
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 2WHSE_CODE 3 WHSE_ITEM_ID

Sequences

Sequence	Derived Column
GEM5_PSWHSE_EFF_ID_S	PSWHSE_EFF_ID

QC_GRAD_MST

QC grade code master. Definitions of QC grade codes.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
QC_GRADE (PK)	NOT NULL	VARCHAR2(4)	Code for the QC grade.
QC_GRADE_DESC	NOT NULL	VARCHAR2(40)	Description of the QC grade.
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
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

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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
QC_GRAD_MST_PK	UNIQUE	1	QC_GRADE

SY_DOCS_MST

Oracle Process Manufacturing Document master. This table stores document definitionsused 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 paddingcharacters.

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 sequenc-ing.
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. 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

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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
	DOC_TYPE	SY_ORGN_MST_DOC_TYPE
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)	

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Indexes

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

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SY_REAS_CDS

The Reason Code table is used to store Reason Code definitions which provide information on the increase or decrease in inventory. Reason codes are used to flag transactions and attach reasons to them.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
REASON_CODE (PK)	NOT NULL	VARCHAR2(4)	Reason code.
REASON_DESC1	NOT NULL	VARCHAR2(40)	Description of the reason code.
REASON_DESC2	NULL	VARCHAR2(70)	Description of the reason code (not used).
REASON_TYPE	NOT NULL	NUMBER(5)	Indicates change type for the reason.
FLOW_TYPE	NOT NULL	NUMBER(5)	Indicates inventory flow. -1=inflow; 1=out-flow; 0=usage; 2=exclude.
AUTH_STRING	NULL	VARCHAR2(90)	Unused.
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_REAS_CDS_PK	UNIQUE	10	REASON_CODE

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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SY_UOMS_TYP

Unit of measure type master for Oracle Process Manufacturing products. Define unit of measure types here, which categorize Units of Measure. Synchronized with MTL_UOM_CLASSES when Oracle Financials is used.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
UM_TYPE (PK)	NOT NULL	VARCHAR2(10)	Unit of Measure Type
TYPE_DESC	NOT NULL	VARCHAR2(40)	Unit of Measure Type description.
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
STD_UM	NULL	VARCHAR2(4)	The Standard, or reference, UOM for this UOM Type

Indexes

Index Name	Index Type	Sequence	Column Name
SY_UOMS_TYP_PK	UNIQUE	10	UM_TYPE

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