Oracle® Process Manufacturing Product Development Technical Reference Manual

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ORACLE

OPM Product Development Technical Reference Manual

Release 11*i*

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Major Contributor: Michele-Andrea Fields

Contributors: Karen Theel, Joe DiIorio

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Oracle Process Manufacturing Product Development Technical Reference Manual

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1

Introduction

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

Audience

The *Oracle Process Manufacturing Product Development 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 Product Development 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 Product Development 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 Product Development 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.

Thank You

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Oracle Applications Documentation Manager

Oracle Corporation

500 Oracle Parkway

Redwood Shores, California 94065

U.S.A.

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

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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 Product Development 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 Product Development. 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 Product Development tables and the relationships between them, organized by building block.

Use this section to quickly learn what tables each OPM Product Development 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 Product Development 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 Product Development; we do not provide additional documentation for these tables.

View Lists

The View List sections list the OPM Product Development 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.

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Internal Views

This section includes each private, internal view that OPM Product Development uses.

Single-Organization Views

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

Multiple Reporting Currency Views

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

MultiLingual Views

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

Module List

The Module List section briefly describes each of the OPM Product Development 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 Product Development. 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 Product Development 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 Product Development 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 Product Development tables and the relationships between them, see the Database DIagrams section in this chapter.

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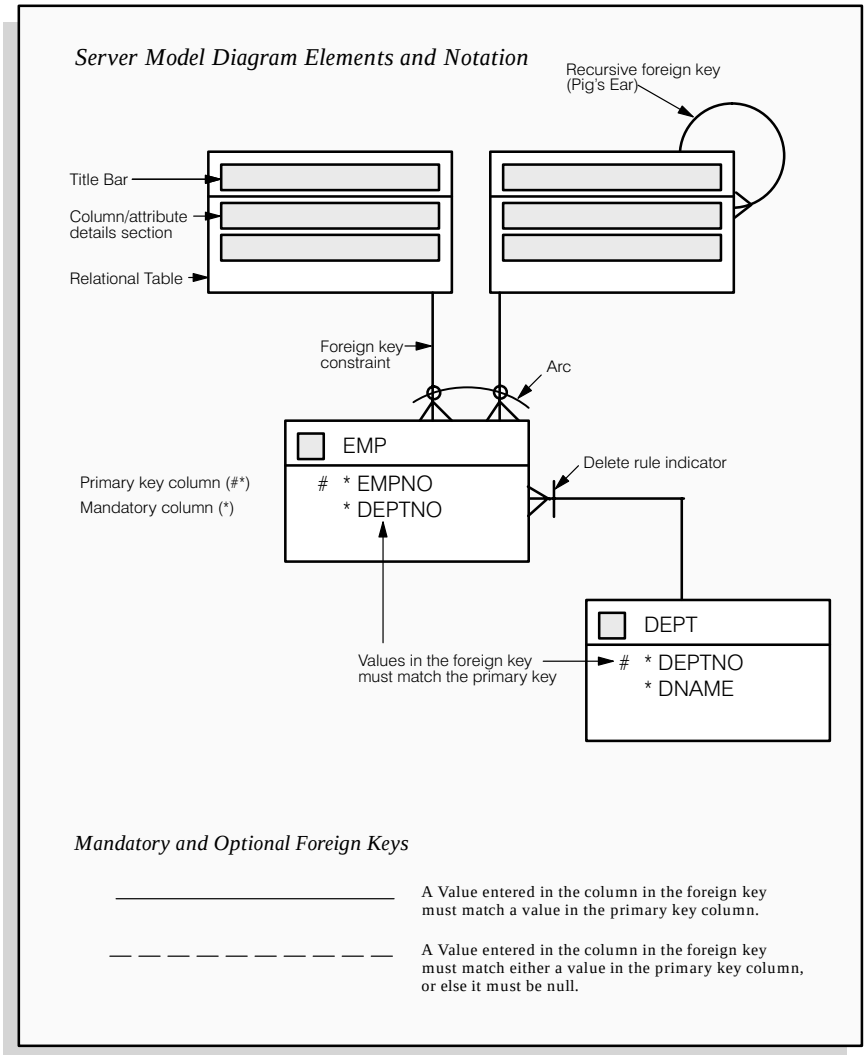
Database Diagramming Conventions

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

- Diagram 1:Formula Management
- Diagram 2:Formulae
- Diagram 3:Indented BOM
- Diagram 4:Quality Check Grading and Holds
- Diagram 5:Quality Control Tests

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

How to Use These Database Diagrams

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

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

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

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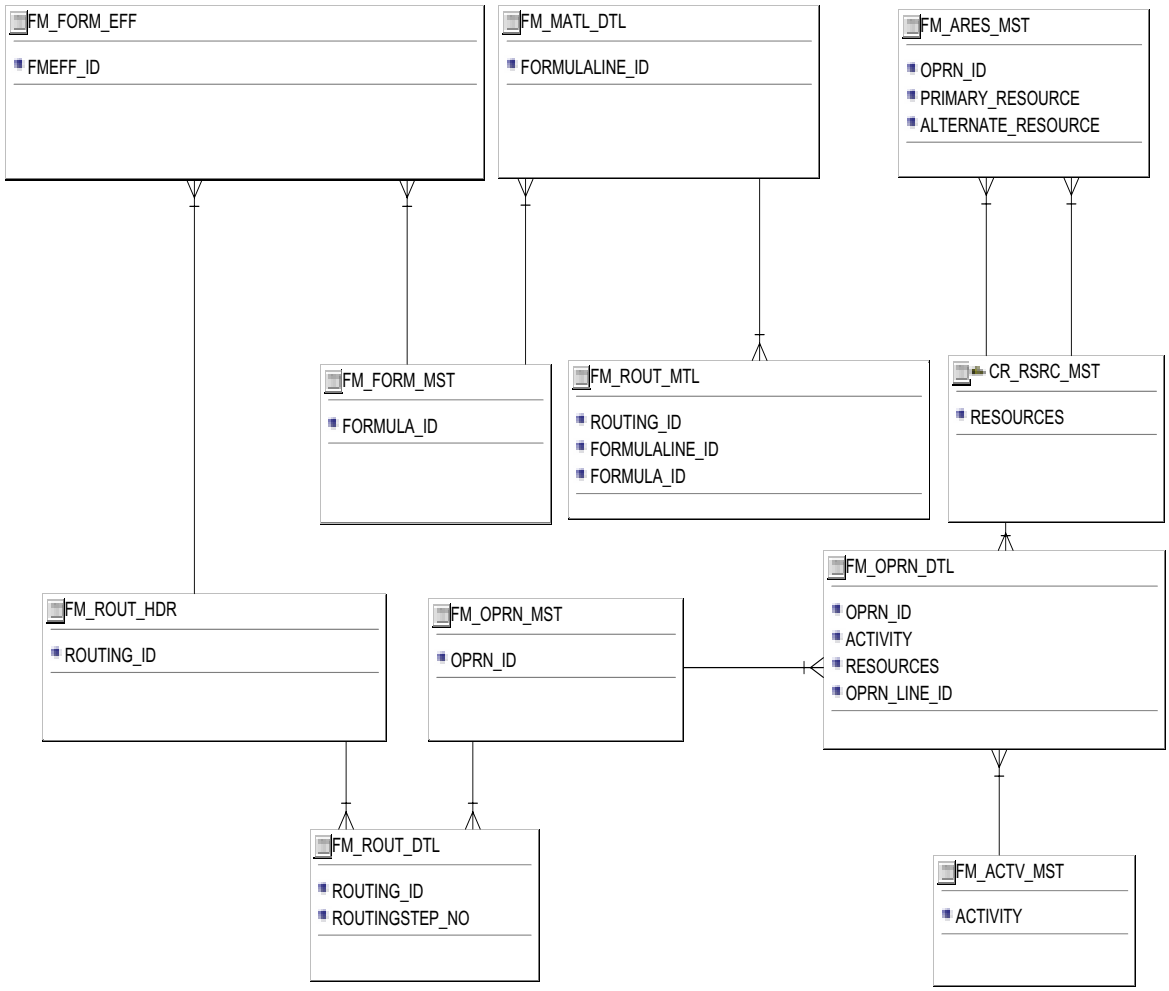
Formula Management



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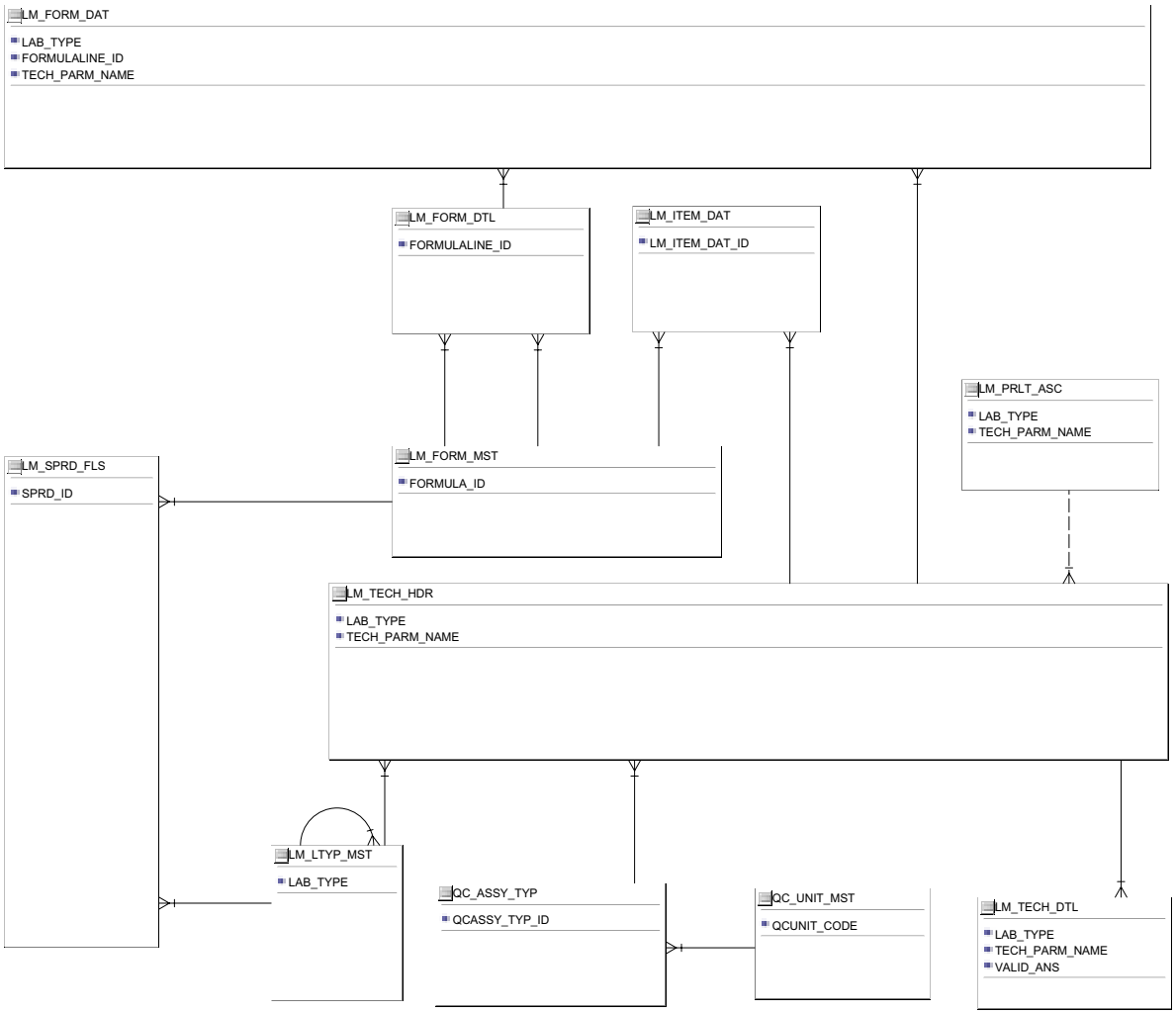
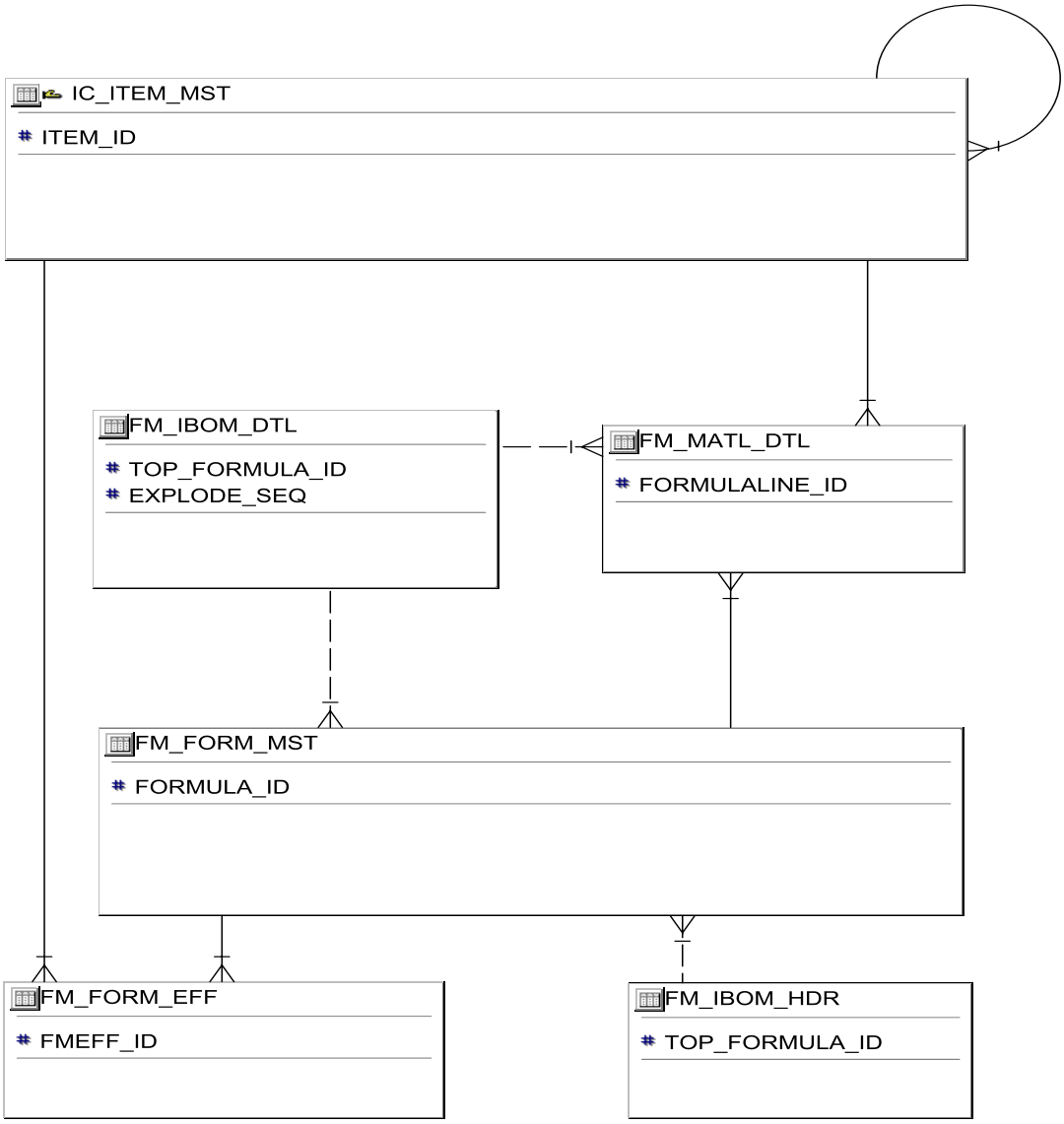
Formulae


LM_FORM_DAT
LAB_TYPE
FORMULALINE_ID
TECH_PARM_NAME
LM_FORM_DTL
FORMULALINE_ID
LM_ITEM_DAT
LM_ITEM_DAT_ID
LM_PRLT_ASC
LAB_TYPE
TECH_PARM_NAME
LM_SPRD_FLS
SPRD_ID
LM_FORM_MST
FORMULA_ID
LM_TECH_HDR
LAB_TYPE
TECH_PARM_NAME
LM_LTYP_MST
LAB_TYPE
QC_ASSY_TYP
QCASSY_TYP_ID
QC_UNIT_MST
QCUNIT_CODE
LM_TECH_DTL
LAB_TYPE
TECH_PARM_NAME
VALID_ANS

Indented BOM



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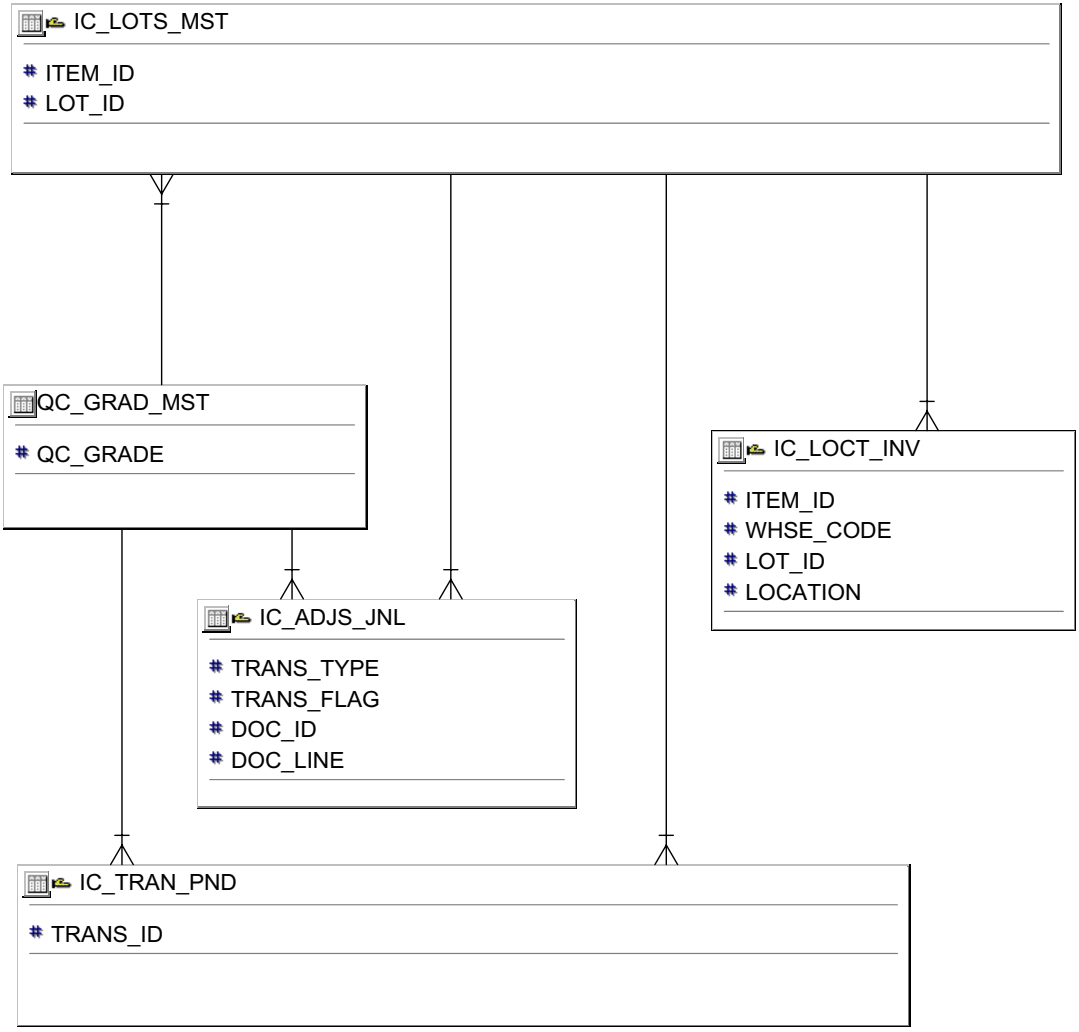
Quality Check Grading and Holds



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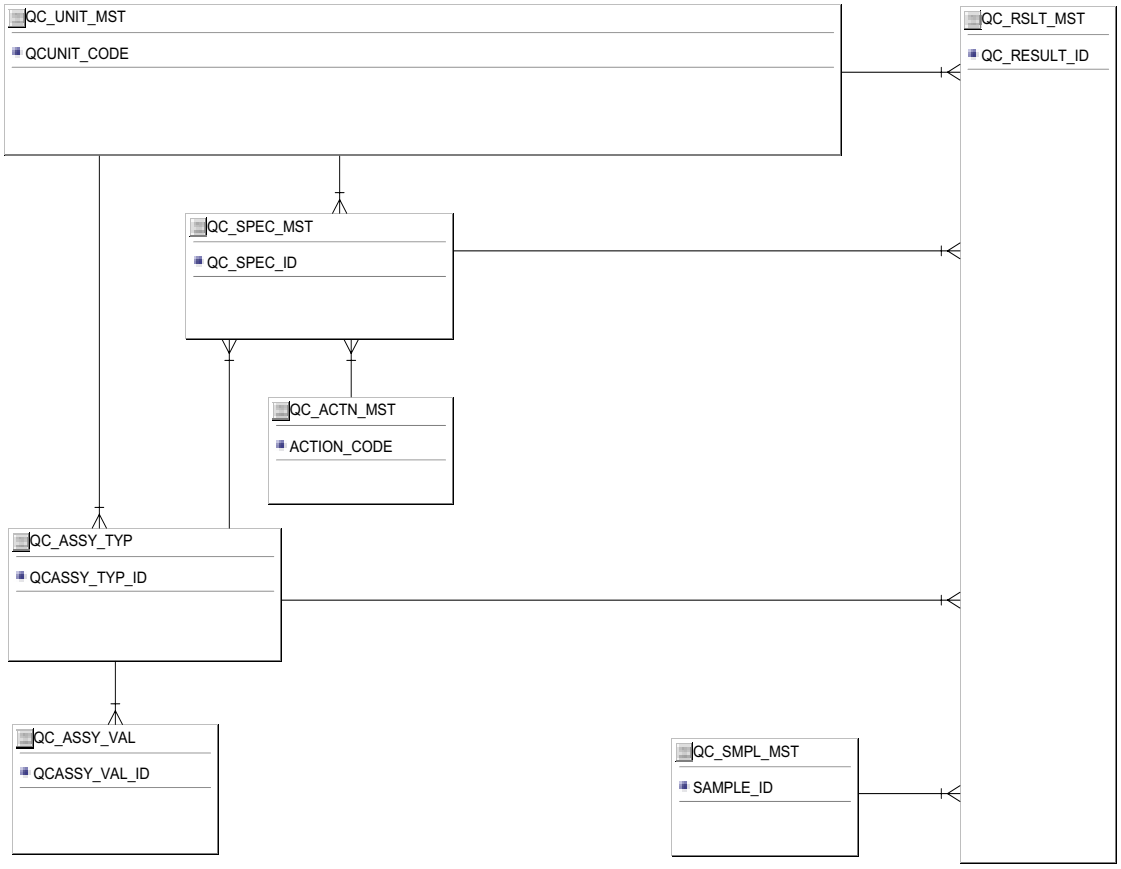
Quality Control Tests



Public Table List

This section lists each public database table that OPM Product Development 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 Product Development uses the following Public tables:

Table Name	Description
CM_ALYS_MST	Cost Analysis Code Master Table.
CM_CMPT_DTL	Cost Component Details
CM_CMPT_MST	Cost Component Master
CR_ARES_MST	Alternate resource table
CR_RSRC_MST	Resource master
FM_ACTV_MST	Activity master. Defines activities which are performed in operations.
FM_ARES_MST	Operation-specific alternate resource factors
FM_CONF_TBL	FM effectivity configuration. Controls how formula effectivities are created.
FM_FMCT_CLS	Formula control classes -NOT USED-
FM_FORM_CLS	Formula classes - used to group formulas.
FM_FORM_EFF	Formula/routing effectivities. Conditions under which a Formula/Routing can be used
FM_FORM_MST	Formula header table
FM_IBOM_DTL	Detail table for Indented Bill of Materials Report
FM_IBOM_HDR	Header table used for Indented Bill Of Materials report
FM_MATL_DTL	Formula material details - contains products,byproducts and ingredient information
FM_OPRN_CLS	Formula operation class. Used to group operations.
FM_OPRN_DTL	Operation details. Specifies the resources, activities and their usage.

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Table Name	Description
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
FM_TEXT_TBL_TL	FM Module Text Lines. Descriptive text for all tables in this module.
FND_DUAL	Dummy base table used by a form block that does not have a real base table (for commit purposes)
FND_USER	Application users
GMD_QC_ASSAY_CLASS	Quality Control Assay Classes
IC_ADJS_JNL	Inventory adjustment detail
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_JRNL_MST	Journal master header table
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_TRAN_PND	Pending inventory transactions
IC_WHSE_MST	Warehouse master.This table contains warehouse definition information.
LM_FORM_DAT	Lab formula item technical data
LM_FORM_DTL	Lab formula details
LM_FORM_MST	Lab formula header
LM_ITEM_DAT	Laboratory management item data

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Table Name	Description
LM_LTYP_MST	Laboratory type master
LM_PRLT_ASC	Laboratory technical parameter association
LM_SPRD_DTL	Table to store Lab Spreadsheet detail
LM_SPRD_FLS	Laboratory Spreadsheets files
LM_SPRD_PRM	Table used to store the technical paramter definitions that belong with the spreadsheet
LM_SPRD_TEC	Table used to store the values of the technical parameters on the spreadsheet
LM_TECH_DTL	Valid values for technical parameters
LM_TECH_HDR	Technical parameters header
LM_TEXT_HDR	Holds text types defined for Lab module
LM_TEXT_TBL_TL	LM Module Text Lines. Descriptive text for all tables in this module.
OP_CUST_MST	Customer master.
PM_BTCH_HDR	Batch / FPO header.
PM_MATL_DTL	Batch or FPO material details.
PO_VEND_MST	Vendor master.
QC_ACTN_MST	QC action codes.
QC_ASSY_TYP	QC assay master.
QC_ASSY_VAL	Valid QC assay values.
QC_GRAD_MST	QC grade code master.
QC_HRES_MST	QC hold reason code master.
QC_RSLT_MST	QC results master.
QC_SMPL_MST	QC sample master.
QC_SPEC_MST	QC specification master.
QC_TEXT_HDR	Holds text types defined for QC module
QC_TEXT_TBL_TL	QC Module Text Lines. Descriptive text for all tables in this module.
QC_UNIT_MST	Units of measure for QC assays.

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Table Name	Description
SY_DOCS_SEQ	Document sequencing by organization.
SY_ORGN_MST	Organization code master.
SY_ORGN_USR	Associates OPM Organizations with FND users
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 OPM Product Development uses and provides a brief description of each of those views. These views may be useful for your custom reporting or other data requirements.

OPM Product Development uses the following public views:

View Name	Description
FM_FORM_EFF_VW1	Item Effectivity View
FM_TEXT_TBL_VL	Formula Management Text View
GEM_LOOKUPS	View of all OPM lookups
GMD_CUST_VEND_MST_V1	Displays customer number and vendor number depednig on the report type selected by the user
LM_TEXT_TBL_VL	Laboratory Management Text View
QC_TEXT_TBL_VL	QC Text View
QC_TRAN_VW1	Lot source view.
QC_TRAN_VW2	Where-used view.

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Module List

This section lists each form, report and concurrent program comprising OPM Product Development.

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Forms

FMACTVED	Formula Activities
FMARESED	Operation Alternate Resources
FMCLSED	Formula Class
FMCNFED1	Configuration
FMEFFED1	Effectivities
FMEFFED2	Maintain Effectivities
FMEFFED4	View Effectivities
FMFRMED	Formulas
FMINGUSE	Ingredient Where Used
FMINQDB	Formula Inquiry
FMISRDB1	Ingredient Search and Replace
FMOPRCLS	Operation Class
FMOPRNED	Operations
FMROUCLS	Routing Class
FMROUTED	Routings
ICR01USF	Indented Bill of Materials Form
LMFRMED	Laboratory Formulas
LMISRDB1	Laboratory Ingredient Search and Replace
LMITDED1	Item Technical Data
LMITPDB	Ingredient / Product Technical Parameters
LMLEIDB1	List Experimental Items
LMLTYED1	Laboratory Types
LMSPRDSH	Laboratory Spreadsheet
LMTCHPRM	Technical Parameters
LMTPSEQ	Technical Parameter Sequence
QCACTNED	Actions
QCASYTV1	Assays
QCEXPDB	Expired Lots

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QCGRDED	Grades
QCHDRSED	Hold Reasons
QCLOTVW1	Lot Source
QCLOTVW2	Where Used
QCRESED1	Customer / Vendor Results
QCRESED2	Item / Location Results
QCRESED3	Production Results
QCSMPED1	Customer / Vendor Samples
QCSMPED2	Item / Location Samples
QCSMPED3	Production Samples
QCSPCED1	Customer / Vendor Specifications
QCSPCED2	Item / Locations Specifications
QCSPCED3	Productions Specifications
QCUNTED	Units

Reports

ICR01USR	Indented Bill of Materials Report
QCR01USR	Customer / Vendor Assay Results Report
QCR02USR	Item / Location Assay Results Report
QCR03USR	Production Assay Results Report
QCR05USR	Item / Location Required Analysis 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 Product Development 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 Product Development 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 Product Development 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_DTL

Cost Component Details

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CM_ACPR_CTL	ACPROC_ID	ACPROC_ID
CM_ALYS_MST	COST_ANALYSIS_CODE	COST_ANALYSIS_CODE
CM_CLDR_DTL	PERIOD_CODE	PERIOD_CODE
		CALENDAR_CODE
		CALENDAR_CODE
CM_CMPT_MST	COST_CMPNTCLS_ID	COST_CMPNTCLS_ID
CM_MTHD_MST	COST_MTHD_CODE	COST_MTHD_CODE
CM_RLUP_CTL	ROLLUP_ID	ROLLUP_REF_NO
CM_TEXT_HDR	TEXT_CODE	TEXT_CODE
FM_FORM_EFF	FMEFF_ID	FMEFF_ID
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE

Column Descriptions

Name	Null	Type	Description
CMPNTCOST_ID (PK)	NOT NULL	NUMBER(10)	Surrogate ID for the Cost Component
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate for item for which the cost is specified
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse for which the cost is specified
CALENDAR_CODE	NOT NULL	VARCHAR2(4)	Cost Calendar for which the cost is specified
PERIOD_CODE	NOT NULL	VARCHAR2(4)	Costing Period for which the cost is specified
COST_MTHD_CODE	NOT NULL	VARCHAR2(4)	Cost Method for which the cost is specified
COST_CMPNTCLS_ID	NOT NULL	NUMBER(10)	Surrogate for component class
COST_ANALYSIS_CODE	NOT NULL	VARCHAR2(4)	Analysis code
COST_LEVEL	NOT NULL	NUMBER(5)	Cost source. 0=Directly entered or Routing/Burden costs calculated by Cost Rollup process or Calculated by Actual Cost Process, 1= Costs via Ingredients calculated by Cost Rollup Process
CMPNT_COST	NOT NULL	NUMBER	Component cost
BURDEN_IND	NOT NULL	NUMBER(5)	Indicates if costs came from burdens 0=No 1=Yes
FMEFF_ID	NULL	NUMBER(10)	Effectivity used in determining Product(hence formula, routing - if any) during Cost Rollup Process
ROLLOVER_IND	NOT NULL	NUMBER(5)	Indicates if costs have been updated to GL area and hence frozen or not - 0=No 1=Yes, updated.
TOTAL_QTY	NULL	NUMBER	Written by Actual Cost Process. Usually the total transaction quantity of the item used in calculating the actual cost but not used currently by other programs.
COSTCALC_ORIG	NULL	NUMBER(5)	Cost calculation origin for actual costs only; 0 = Actual Cost Calculation, 1 = Cost Development Process
RMCALC_TYPE	NULL	NUMBER(5)	Raw Material Cost Calculation Type (applicable

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			under actual costs only, =0 otherwise) 1-PMAC, 2-PWAC, 3-PPAC, 4-LSTT, 5 -LSTI
ROLLUP_REF_NO	NULL	NUMBER(10)	Reference number of the Cost Rollup process that calculated this cost
ACPROC_ID	NULL	NUMBER(10)	Reference number of the Actual Cost Process that calculated this cost
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.
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
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
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

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ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
CM_CMPT_DTLI1	NOT UNIQUE	2	CALENDAR_CODE
		4	PERIOD_CODE
		6	COST_MTHD_CODE
CM_CMPT_DTL_PK	UNIQUE	1	CMPNTCOST_ID
CM_CMPT_DTL_U1	UNIQUE	1	ITEM_ID
		2	WHSE_CODE
		3	CALENDAR_CODE
		4	PERIOD_CODE
		5	COST_MTHD_CODE
		6	COST_CMPNTCLS_ID
		7	COST_ANALYSIS_CODE
		8	COST_LEVEL

Sequences

Sequence	Derived Column
GEM5_CMPNT_COST_ID_S	CMPNTCOST_ID

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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.

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

Indexes

Index Name	Index Type	Sequence	Column Name
CM_CMPT_MST_PK	UNIQUE	1	COST_CMPNTCLS_ID

Sequences

Sequence	Derived Column
GEM5_COST_CMPNTCLS_ID_S	COST_CMPNTCLS_ID

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CR_ARES_MST

Alternate resource table.

Foreign Keys

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

Column Descriptions

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

Indexes

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

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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)	Cod 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

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FM_ARES_MST

Operation-specific alternate resource factors. This table overrides the default alternate resource factors set up in CR_ARES_MST, for a specific operation.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
OPRN_ID (PK)	NOT NULL	NUMBER	The surrogate key for the operation for which alternate resource factors are defined.
PRIMARY_RESOURCE (PK)	NOT NULL	VARCHAR2(16)	The resource usually used for the operation.
ALTERNATE_RESOURCE (PK)	NOT NULL	VARCHAR2(16)	The alternate resource for the operation.
SETUP_FACTOR	NOT NULL	NUMBER	The factor by which setup time is multiplied when using the alternate resource. For example, this would be 2 if the alternate resource requires double the setup time of the primary resource.
RUNTIME_FACTOR	NOT NULL	NUMBER	The factor by which runtime is multiplied when using the alternate resource. For example, this would be 2 if the alternate resource requires double the runtime of the primary resource.
POSTOP_FACTOR	NOT NULL	NUMBER	The factor by which postop time is multiplied when using the alternate resource. For example, this would be 2 if the alternate resource requires double the postop time of the primary resource.
DELETE_MARK	NOT NULL	NUMBER	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER	Not currently used
TEXT_CODE	NULL	NUMBER	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
FM_ARES_MST_PK	UNIQUE	10	OPRN_ID
		20	PRIMARY_RESOURCE
		30	ALTERNATE_RESOURCE

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FM_CONF_TBL

FM effectivity configuration. Controls how formula effectivities are created.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
FMCONF_ID (PK)	NOT NULL	NUMBER(15)	Surrogate key for fm_conf_tbl.
ORGN_CODE	NULL	VARCHAR2(4)	Organization for which effectivity behavior is defined. May also be blank, meaning ALL organizations.
FORMULA_USE	NOT NULL	NUMBER(5)	The formula can be used for: 0=Production,1=MRP,2=Costing,3=MSDS.
EFF_BEHAV	NOT NULL	NUMBER(5)	How effectivity is created: 0=Effectivity must be entered manually, 1=Maintain effectivity form is brought up when going from Products form to ingredients or by-products,2=Automatically created with the organization specified
ORGN_DEFAULT	NOT NULL	NUMBER(5)	Default for organization on effectivity record: 0=Use user's default organization,1=Use blank for ALL organizations
CONFLICT_RES	NULL	NUMBER(5)	Controls how overlapping effectvities are handled on the creation of a new effectivity: 0=Do not modify other effectivities,1=Lower the preference (increase preference number) so new effectivity is preferred,2=Reset end dates for othereffectivity records so that they are no longer effective
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_CONF_TBL_PK	UNIQUE	10	FMCONF_ID
FM_CONF_TBL_U1	UNIQUE	10	ORGN_CODE
		20	FORMULA_USE

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Sequences

Sequence	Derived Column
GEM5_FMCONF_ID_S	FMCONF_ID

FM_FMCT_CLS

THIS TABLE IS NOT CURRENTLY USED. Formula control classes.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
FMCONTROL_CLASS (PK)	NOT NULL	VARCHAR2(8)	Used to group formulas together for security purposes
FMCONTROL_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of Class
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
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

Indexes

Index Name	Index Type	Sequence	Column Name
FM_FMCT_CLS_PK	UNIQUE	10	FMCONTROL_CLASS

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FM_FORM_CLS

Table used to group formulas into classes.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
FORMULA_CLASS (PK)	NOT NULL	VARCHAR2(8)	Code identifying the formula class.
FORMULA_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of the formula class.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	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

Indexes

Index Name	Index Type	Sequence	Column Name
FM_FORM_CLS_PK	UNIQUE	10	FORMULA_CLASS

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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
		20	FORMULA_VERS

Sequences

Sequence	Derived Column
GEM5_FORMULA_ID_S	FORMULA_ID

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FM_IBOM_DTL

Detail table for Indented Bill of Materials Report

Column Descriptions

Name	Null	Type	Description
TOP_FORMULA_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to reference fm_form_mst for top level formula being exploded
EXPLODE_SEQ (PK)	NOT NULL	VARCHAR2(75)	The sequence number used to determine in what order formulas should be exploded
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key to fm_form_mst for the formula which contains the item
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key used to reference ic_item_mst for item in the Bill of Materials
LINE_TYPE	NOT NULL	NUMBER(1)	1=product; -1=ingredient; 2=byprod.
LINE_NO	NOT NULL	NUMBER(5)	List order on screen within a line_type.
LINE_DESC	NOT NULL	VARCHAR2(100)	Formula line description
LEVEL_NUM	NOT NULL	NUMBER(5)	How many levels deep this formula is from the top formula
SCALE_QTY	NOT NULL	NUMBER	Quantity for line when scaled to quantity for top level formula
FORMULA_QTY	NOT NULL	NUMBER	Quantity from formula line
STD_QTY	NOT NULL	NUMBER	Standard quantity
I_QTY_UOM	NOT NULL	VARCHAR2(4)	Unit of measure in which the quantities are expressed
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_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
FM_IBOM_DTL_PK	UNIQUE	10	TOP_FORMULA_ID
		20	EXPLODE_SEQ

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FM_IBOM_HDR

Header table used for Indented Bill Of Materials report. Includes information relative to entire formula.

Column Descriptions

Name	Null	Type	Description
TOP_FORMULA_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to fm_form_mst for top level formula being exploded
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key used to reference ic_item_mst for product number
SCALE_PERCENT	NOT NULL	NUMBER	Percentage used to scale formula up or down
FORMULA_USE	NOT NULL	NUMBER(1)	The purpose for which the formula/routing can be used. 0=Prod, 1=MRP, 2=Costing, 3=MSDS.
EFFECTIVITY_DATE	NOT NULL	DATE	Date used to select for selection of appropriate effectivity record
FORMULA_QTY	NOT NULL	NUMBER	Quantity from formula line
REPORT_QTY	NOT NULL	NUMBER	Quantity for which the report is run - Quantity for top level formula
REPORT_UOM	NOT NULL	VARCHAR2(4)	Unit of measure in which report_qty is expressed
USE_INACTIVE_FLAG	NOT NULL	NUMBER(1)	0 = Don’t use inactive flag; 1 = Use inactive flag
MAX_EXPLODE_LEVELS	NOT NULL	NUMBER(2)	Maximum level that formula can be exploded out to.
EXPLODED_BY	NOT NULL	VARCHAR2(4)	Name of person who ran the formula explosion
EXPLODED_DATE	NOT NULL	DATE	Date formula was exploded
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_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
FM_IBOM_HDR_PK	UNIQUE	10	TOP_FORMULA_ID

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

Sequences

Sequence	Derived Column
GEM5_FORMULALINE_ID_S	FORMULALINE_ID

FM_OPRN_CLS

Formula operation class. Used to group operations.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
OPRN_CLASS (PK)	NOT NULL	VARCHAR2(4)	Code identifying the operation class.
OPRN_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of the operation class.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	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

Indexes

Index Name	Index Type	Sequence	Column Name
FM_OPRN_CLS_PK	UNIQUE	10	OPRN_CLASS

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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 ROUTINGSTEP_NO	ROUTING_ID	ROUTING_ID ROUTINGSTEP_NO
FM_ROUT_DTL ROUTINGSTEP_NO	ROUTING_ID	ROUTING_ID ROUTINGSTEP_NODEP_
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
		20	DEP_ROUTINGSTEP_NO
		30	ROUTING_ID

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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
		20	ROUTINGSTEP_NO

Sequences

Sequence	Derived Column
GEM5_ROUTINGSTEP_ID_S	ROUTINGSTEP_ID

FM_ROUT_HDR

Routing header. Contains information applicable to entire routing.

Foreign Keys

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

Column Descriptions

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

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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
		20	ROUTING_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
		2	ROUTING_ID
		3	ROUTINGSTEP_NO
FM_ROUT_MTL_PK	UNIQUE	1	FORMULA_ID
		2	ROUTING_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

FM_TEXT_TBL_TL

FM 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
TEXT	NULL	VARCHAR2(70)	Descriptive text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	
SOURCE_LANG	NOT NULL	VARCHAR2(4)	
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

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

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FND_DUAL

FND_DUAL stores a dummy constant value. You always need at least one row in this table. Oracle Application Object Library provides this table as a base table for forms that only submit concurrent requests (such as reporting forms) and therefore need to perform a commit cycle without updating an application database table. Such forms generally insert a record into this table (usually the value 1). You should delete rows from this table occasionally, but you should always leave at least one row in this table (for a form that may update a record instead of inserting one).

Column Descriptions

Name	Null	Type	Description
DUMMY	NULL	NUMBER(2)	Dummy column

GMD_QC_ASSAY_CLASS

Quality Control Assay Classes- Used to group similar types of assays together for user defined reports and testing workflow.

Column Descriptions

Name	Null	Type	Description
ASSAY_CLASS (PK)	NOT NULL	VARCHAR2(8)	Class used to group QC assays
ASSAY_CLASS_DESC	NOT NULL	VARCHAR2(40)	Description of assay class
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
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Standard: Program flag to control locking.
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
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

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Indexes

Index Name	Index Type	Sequence	Column Name
GMD_QC_ASSAY_CLASS_PK	NOT UNIQUE	1	ASSAY_CLASS

IC_ADJS_JNL

Inventory adjustment detail table. Contains the document details for actions performed on the Inventory Quantities form, such as inventory adjustments, moves, status and grade changes.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_JRNL_MST	JOURNAL_ID	JOURNAL_ID
IC_LOTS_MST	LOT_ID	LOT_ID ITEM_IDITEM_ID
IC_LOTS_STS	LOT_STATUS	LOT_STATUS
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE
SY_DOCS_MST	DOC_TYPE	TRANS_TYPE
SY_ORGN_MST	ORGN_CODE	CO_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE
SY_REAS_CDS	REASON_CODE	REASON_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM
SY_UOMS_MST	UM_CODE	ITEM_UM2

Column Descriptions

Name	Null	Type	Description
TRANS_TYPE (PK)	NOT NULL	VARCHAR2(4)	Transaction type, for example, CREI, ADJI.
TRANS_FLAG (PK)	NOT NULL	NUMBER(10)	0 or session_no if selected or updated.
DOC_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key to the adjustment document (joins to ic_tran_cmp).
DOC_LINE (PK)	NOT NULL	NUMBER(10)	Line number of the adjustment. Moves and grade and status changes create two rows with different values for doc_line, but the same value for line_id.
JOURNAL_ID	NOT NULL	NUMBER(10)	Surrogate key to the journal (joins to ic_jrnl_mst).
COMPLETED_IND	NOT NULL	NUMBER(5)	0=Pending; 1=Updated to inventory.
WHSE_CODE	NULL	VARCHAR2(4)	The warehouse in which the adjustment took place.
REASON_CODE	NOT NULL	VARCHAR2(4)	Reason code for the adjusment.
DOC_DATE	NOT NULL	DATE	Date of the adjustment.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item adjusted.
ITEM_UM	NOT NULL	VARCHAR2(4)	Primary unit of measure of item.
ITEM_UM2	NULL	VARCHAR2(4)	Secondary unit of measure of item, for dual UOM items.
LOT_ID	NULL	NUMBER(10)	Surrogate key to the lot that was adjusted.
LOCATION	NULL	VARCHAR2(16)	Location in which the adjustment took place.
QTY	NULL	NUMBER	Quantity of the adjustment in the item_um.
QTY2	NULL	NUMBER	Quantity of the adjustment in the item_um2.
QC_GRADE	NULL	VARCHAR2(4)	The grade of the lot.
LOT_STATUS	NULL	VARCHAR2(4)	The status of the lot.
LINE_TYPE	NOT NULL	NUMBER(5)	Line type. 0=Adjustment, -1=From line (for

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			moves and grade and status changes), 1=To line (for moves and grade and status changes).
LINE_ID	NOT NULL	NUMBER(10)	Surrogate key for the adjustment ”line”. The two lines created by moves, and grade and status changes share the same line_id, but have different values for doc_line.
CO_CODE	NULL	VARCHAR2(4)	The company of which the adjustment organization is a part.
ORGN_CODE	NOT NULL	VARCHAR2(4)	The organization for which the adjustment is made.
NO_INV	NOT NULL	NUMBER(5)	Not currently used.
NO_TRANS	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
TRANS_CNT	NULL	NUMBER(10)	Not currently used
LAST_UPDATED_BY	NOT 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
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ADJS_JNLI1	NOT UNIQUE	1	JOURNAL_ID
		2	DOC_LINE
IC_ADJS_JNLI2	NOT UNIQUE	1	DOC_ID
		2	LINE_ID
IC_ADJS_JNLI3	NOT UNIQUE	1	ITEM_ID
		2	LOT_ID
		3	WHSE_CODE
		4	LOCATION
IC_ADJS_JNL_PK	UNIQUE	10	TRANS_TYPE
		20	TRANS_FLAG
		30	DOC_ID
		40	DOC_LINE

Sequences

Sequence	Derived Column
GEM5_DOC_ID_S	DOC_ID
GEM5_LINE_ID_S	LINE_ID

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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_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
		2	LOT_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 theStandard conversion for dual UOM items w/ dualum_ind=2 or 3.
DEVIATION_HI	NOT NULL	NUMBER	Factor defining the allowable deviation above theStandard 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

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IC_JRNL_MST

Journal master. Header table for all actions performed on the Inventory Quantities form.

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
JOURNAL_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the journal.
JOURNAL_NO	NOT NULL	VARCHAR2(32)	Number of the journal.
JOURNAL_COMMENT	NULL	VARCHAR2(70)	Journal comment.
POSTING_ID	NOT NULL	NUMBER(10)	Posting ID.
PRINT_CNT	NOT NULL	NUMBER(5)	Number of times the journal was printed.
POSTED_IND	NOT NULL	NUMBER(5)	Indicates whether the journal has been posted.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization for which the journal was created.
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
IN_USE	NULL	NUMBER(10)	Not currently used
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_JRNL_MST_I1	UNIQUE	10	JOURNAL_NO
		20	ORGN_CODE
IC_JRNL_MST_PK	UNIQUE	10	JOURNAL_ID

Sequences

Sequence	Derived Column
GEM5_JOURNAL_ID_S	JOURNAL_ID
GEM5_POSTING_ID_S	POSTING_ID

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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_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
		20	WHSE_CODE
		30	LOT_ID

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```
40        LOCATION
```

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
		20	LOCATION

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
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
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
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
		2	SUBLOT_NO
		3	ITEM_ID
IC_LOTS_MST_PK	UNIQUE	10	ITEM_ID
		20	LOT_ID

Sequences

Sequence	Derived Column
GEM5_LOT_ID_S	LOT_ID

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_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.

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

Indexes

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

Sequences

Sequence	Derived Column
GEM5_TRANS_ID_S	TRANS_ID
GEM5_LINE_ID_S	LINE_ID

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

Indexes

Index Name	Index Type	Sequence	Column Name
IC_WHSE_MST_PK	UNIQUE	10	WHSE_CODE

LM_FORM_DAT

Lab formula item tech data. Formula-specific item technical parameter data.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_FORM_DTL	FORMULALINE_ID	FORMULALINE_ID
LM_TECH_HDR	LAB_TYPE	LAB_TYPE
		TECH_PARM_NAME
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Laboratory type.
FORMULALINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate to lab formula detail line.
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Technical parameter name.
SORT_SEQ	NOT NULL	NUMBER(5)	Sorting sequence.
TEXT_DATA	NULL	VARCHAR2(80)	Technical data for character technical parameters.
NUM_DATA	NULL	NUMBER	Technical data for numeric technical parameters.
BOOLEAN_DATA	NULL	NUMBER(5)	Technical data for boolean technical parameters.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
IN_USE	NULL	NUMBER(10)	Not currently used

Indexes

Index Name	Index Type	Sequence	Column Name
LM_FORM_DAT_PK	UNIQUE	1	LAB_TYPE
		2	FORMULALINE_ID
		3	TECH_PARM_NAME

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LM_FORM_DTL

Lab formula details. Product, ingredient, byproduct specification for a formula.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
LM_FORM_MST	FORMULA_ID	TPFORMULA_ID
LM_FORM_MST	FORMULA_ID	FORMULA_ID
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
FORMULALINE_ID (PK)	NOT NULL	NUMBER(10)	Lab formula detail line surrogate.
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key for a formula/version.
LINE_NO	NOT NULL	NUMBER(5)	List order on screen within a line_type.
LINE_TYPE	NOT NULL	NUMBER(5)	1=product; -1=ingredient; 2=byprod.
ITEM_ID	NOT NULL	NUMBER(10)	Item surrogate (ic_item_mst).
QTY	NOT NULL	NUMBER	Item qty produced or consumed.
ITEM_UM	NOT NULL	VARCHAR2(4)	Uom of qty.
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)	Future use. 0=not rework; 1=non-netablerework.
RELEASE_TYPE	NOT NULL	NUMBER(5)	0=automatic release; 1=partial release.
SCRAP_FACTOR	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.
TPFORMULA_ID	NULL	NUMBER(10)	Surrogate key indicating the lab formula/version from which the technical parameters of an item are calculated.
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

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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
LM_FORM_DTL_PK	UNIQUE	1	FORMULALINE_ID

Sequences

Sequence	Derived Column
GEM5_LAB_FORMULALINE_ID_S	FORMULALINE_ID

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LM_FORM_MST

Lab formula header. Provides formula name, description, and classification.

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
LM_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 lab formula name or number.
FORMULA_VERS	NOT NULL	NUMBER(5)	Lab formula version.
FORMULA_DESC1	NOT NULL	VARCHAR2(70)	Lab formula description.
FORMULA_DESC2	NULL	VARCHAR2(70)	Lab formula comment.
FORMULA_CLASS	NULL	VARCHAR2(8)	Formula class.
FMCONTROL_CLASS	NULL	VARCHAR2(8)	Reserved for future use.
SCALE_TYPE	NOT NULL	NUMBER(5)	Controls scaling behavior of formula. 0=fixed; 1=scaleable.
FORMULA_TYPE	NULL	NUMBER(5)	Not relevant for lab formulas. 0=std formula; 1=packaged item formula.
IN_USE	NULL	NUMBER(10)	Not currently used
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
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.
INACTIVE_IND	NOT NULL	NUMBER(5)	Indicates whether the formula is active or inactive. 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

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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
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield

Indexes

Index Name	Index Type	Sequence	Column Name
LM_FORM_MST_PK	UNIQUE	1	FORMULA_ID
LM_FORM_MST_U1	UNIQUE	1	FORMULA_NO
		2	FORMULA_VERS

Sequences

Sequence	Derived Column
GEM5_LAB_FORMULA_ID_S	FORMULA_ID

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LM_ITEM_DAT

Laboratory management item data. Item and lot specific technical parameter data.

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
LM_FORM_MST	FORMULA_ID	FORMULA_ID
LM_TECH_HDR	LAB_TYPE	LAB_TYPE TECH_PARM_NAME
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
LM_ITEM_DAT_ID (PK)	NOT NULL	NUMBER(15)	Surrogate key for this record
LAB_TYPE	NOT NULL	VARCHAR2(4)	Laboratory type.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for item.
LOT_ID	NOT NULL	NUMBER(10)	Surrogate key for ic_lots_mst, lot_no and ic_ lots_mst, sublot_no.
FORMULA_ID	NOT NULL	NUMBER(10)	Surrogate key for the lab formula which produced this item, if the item is a product in a llab formula. Items may have different technical parameters values depending on the formula used to produce them.
TECH_PARM_NAME	NOT NULL	VARCHAR2(8)	Technical parameter name.
SORT_SEQ	NOT NULL	NUMBER(5)	Sorting sequence.
TEXT_DATA	NULL	VARCHAR2(80)	Technical data for character technical parameters.
NUM_DATA	NULL	NUMBER	Technical data for numeric technical parameters.
BOOLEAN_DATA	NULL	NUMBER(5)	Technical data for boolean technical parameters.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TRANS_CNT	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
LM_ITEM_DAT_PK	UNIQUE	1	LM_ITEM_DAT_ID
LM_ITEM_DAT_U1	UNIQUE	1	LAB_TYPE
		2	ITEM_ID

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3	LOT_ID
4	FORMULA_ID
5	TECH_PARM_NAME

Sequences

Sequence	Derived Column
GEM5_LM_ITEM_DATA_ID_S	LM_ITEM_DAT_ID

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LM_LTYP_MST

Laboratory type master. Lab types are used to segregate technical parameters used in one laboratory from those critical to another. Can also be a method of restricting access.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_LTYP_MST	LAB_TYPE	SHARED_LAB_TYPE
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Code identifying the lab type.
LAB_DESCRIPTION	NOT NULL	VARCHAR2(70)	Description of the lab type.
ACTIVE_IND	NOT NULL	NUMBER(5)	0=Inactive, 1=Active.
SHARED_LAB_TYPE	NULL	VARCHAR2(4)	Code identifying another lab type whose technical parameters the lab type shares.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
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
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	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
LM_LTYP_MST_PK	UNIQUE	1	LAB_TYPE

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LM_PRLT_ASC

Laboratory technical parameter association defines the sequence in which calculations are performed in lab, and in which technical parameters are displayed.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Laboratory type.
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Name of the technical paraemeter.
SORT_SEQ	NOT NULL	NUMBER(5)	Number that determines the order in which technical parameters are sorted for display and calculation.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TRANS_CNT	NULL	NUMBER(10)	Not currently used

Indexes

Index Name	Index Type	Sequence	Column Name
LM_PRLT_ASC_PK	UNIQUE	1	LAB_TYPE
		2	TECH_PARM_NAME

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LM_SPRD_DTL

Table to store Lab Spreadsheet detail information

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
IC_ITEM_MST	ITEM_ID	ITEM_ID
LM_LTYP_MST	LAB_TYPE	LAB_TYPE
LM_SPRD_FLS	SPRD_ID	SPRD_ID
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_UOMS_MST	UM_CODE	ITEM_UM

Column Descriptions

Name	Null	Type	Description
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id used to access line items on the spreadsheet
LAB_TYPE	NOT NULL	VARCHAR2(4)	Lab Type for which this spreadsheet was created
SPRD_ID	NOT NULL	NUMBER(10)	Surrogate id for the spreadsheet
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 used to reference ic_item_mst for item in the Bill of Materials
QTY	NOT NULL	NUMBER	Line quantity on spreadsheet
ITEM_UM	NOT NULL	VARCHAR2(4)	Unit of measure in which the quantity was expressed
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
TPFORMULA_ID	NULL	NUMBER(10)	Surrogate id to access lm_form_mst for the formula used for the tech parameter values
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate id used to access lm_form_dtl for the formulaline used for the tech parameters
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
LM_SPRD_DTL_PK	UNIQUE	1	LINE_ID

Sequences

Sequence	Derived Column
GEM5_SPRD_LINE_ID_S	LINE_ID

LM_SPRD_FLS

This table records the files in which a user has saved Laboratory Spreadsheets.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_FORM_MST	FORMULA_ID	FORMULA_ID
LM_LTYP_MST	LAB_TYPE	LAB_TYPE
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
SPRD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the operator code/spreadsheet.
SPRD_NAME	NOT NULL	VARCHAR2(8)	Name which the spreadsheet was saved.
ACTIVE_IND	NOT NULL	NUMBER(5)	Not currently used.
FORMULA_ID	NOT NULL	NUMBER(10)	The foreign key to Lab form master
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_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
LAB_TYPE	NOT NULL	VARCHAR2(4)	The Lab Type from Lab type master
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(5)	Not currently used

Indexes

Index Name	Index Type	Sequence	Column Name
LM_SPRD_FLS_PK	UNIQUE	1	SPRD_ID
LM_SPRD_FLS_U1	UNIQUE	1	SPRD_NAME

Sequences

Sequence	Derived Column
GEM5_SPRD_ID_S	SPRD_ID

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LM_SPRD_PRM

Table used to store the technical paramter definitions that belong with the spreadsheet

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_SPRD_FLS	SPRD_ID	SPRD_ID
LM_TECH_HDR	TECH_PARM_NAME	TECH_PARM_NAME
		LAB_TYPE
QC_ASSY_TYP	ORGN_CODE	QC_ORGN_CODE
		ASSAY_CODE
		QC_ASSAY_NAME

Column Descriptions

Name	Null	Type	Description
SPRD_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id for spreadsheet
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Lab type for which the spreadsheet was created
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Technical parameter name from lm_tech_prm
SORT_SEQ	NOT NULL	NUMBER(5)	Sort sequence for parameter on the spreadsheet
QC_ORGN_CODE	NULL	VARCHAR2(4)	Orgnanization code under which the QC assay was created IF the tech parameter is a QC assay, or null if not
QC_ASSAY_NAME	NULL	VARCHAR2(16)	Name of QC assay IF the tech parameter is a QC assay, or null if not
DATA_TYPE	NULL	NUMBER(5)	The data type of the technical parameter. 0=Character, 1=Numeric, 2=Validation List, 3=Boolean, 4=Expression, 5=Weight Percent, 6=Volume Percent, 7=Specific Gravity, 8=Cost, 9=Equivalent Weight, 10=Quantity per Unit.
EXPRESSION_CHAR	NULL	VARCHAR2(160)	The expression used to calculate the technical parameter, for data type 4 (Expression).
LM_UNIT_CODE	NULL	VARCHAR2(4)	The unit of measure in which the technical parameter value is expressed.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	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_DATE	NOT NULL	DATE	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
LM_SPRD_PRM_PK	UNIQUE	1	SPRD_ID
		2	LAB_TYPE
		3	TECH_PARM_NAME

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LM_SPRD_TEC

Table used to store the values of the technical parameters on the spreadsheet

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_SPRD_FLS	SPRD_ID	SPRD_ID
LM_TECH_HDR	TECH_PARM_NAME	TECH_PARM_NAME
		LAB_TYPE

Column Descriptions

Name	Null	Type	Description
LINE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id used to access lm_form_dtl
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Lab type for which the spreadsheet was created
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Technical parameter name from lm_tech_prm
SPRD_ID	NOT NULL	NUMBER(10)	Surrogate id for spreadsheet
SORT_SEQ	NOT NULL	NUMBER(5)	Sort sequence for parameter on the spreadsheet
TEXT_DATA	NULL	VARCHAR2(80)	Technical data for character technical parameters.
NUM_DATA	NULL	NUMBER	Technical data for numeric technical parameters.
BOOLEAN_DATA	NULL	NUMBER(5)	Technical data for boolean technical parameters.
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
LM_SPRD_TEC_PK	UNIQUE	1	LINE_ID
		2	LAB_TYPE
		3	TECH_PARM_NAME

LM_TECH_DTL

This table contains the valid values for technical parameters with a data type of 2 (Validation List).

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_TECH_HDR	LAB_TYPE	LAB_TYPE
		TECH_PARM_NAME
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Laboratory type.
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Name of the technical parameter.
VALID_ANS (PK)	NOT NULL	VARCHAR2(80)	Valid value for the technical parameter.
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.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
TRANS_CNT	NULL	NUMBER(10)	Not currently used

Indexes

Index Name	Index Type	Sequence	Column Name
LM_TECH_DTL_PK	UNIQUE	1	LAB_TYPE
		2	TECH_PARM_NAME
		3	VALID_ANS

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LM_TECH_HDR

Header table for technical parameters. This is where technical parameters are defined.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
LM_LTYP_MST	LAB_TYPE	LAB_TYPE
LM_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_ASSY_TYP	QCASSY_TYP_ID	QCASSY_TYP_ID

Column Descriptions

Name	Null	Type	Description
QCASSY_TYP_ID	NULL	NUMBER(15)	Surrogate key for this table
LAB_TYPE (PK)	NOT NULL	VARCHAR2(4)	Laboratory type.
TECH_PARM_NAME (PK)	NOT NULL	VARCHAR2(8)	Name of the technical parameter.
PARM_DESCRIPTION	NOT NULL	VARCHAR2(70)	Description of the technical parameter.
DATA_TYPE	NOT NULL	NUMBER(5)	The data type of the technical parameter. 0=Character, 1=Numeric, 2=Validation List, 3=Boolean, 4=Expression, 5=Weight Percent, 6=Volume Percent, 7=Specific Gravity, 8=Cost, 9=Equivalent Weight, 10=Quantity per Unit.
SIGNIF_FIGURES	NULL	NUMBER(5)	Number of significant figures for the technical parameter value, for data types 1 and 5-10.
LOWERBOUND_NUM	NULL	NUMBER	Lowest valid value, for data types 1 and 5-10.
UPPERBOUND_NUM	NULL	NUMBER	Highest valid value, for data types 1 and 5-10.
LOWERBOUND_CHAR	NULL	VARCHAR2(20)	Lowest valid value, for data type 0 (Character).
UPPERBOUND_CHAR	NULL	VARCHAR2(20)	Highest valid value, for data type 0 (Character).
MAX_LENGTH	NULL	NUMBER(5)	Maximum length, for data type 0 (Character).
EXPRESSION_CHAR	NULL	VARCHAR2(160)	The expression used to calculate the technical parameter, for data type 4 (Expression).
LM_UNIT_CODE	NULL	VARCHAR2(4)	The unit of measure in which the technical parameter value is expressed.
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
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield

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

Indexes

Index Name	Index Type	Sequence	Column Name
LM_TECH_HDR_PK	UNIQUE	1	LAB_TYPE
		2	TECH_PARM_NAME

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LM_TEXT_HDR

Holds text types defined for Lab 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
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
LM_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

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LM_TEXT_TBL_TL

LM 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
TEXT	NULL	VARCHAR2(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
LM_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO 6LANGUAGE

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OP_CUST_MST

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

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

Foreign Keys

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

Column Descriptions

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

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

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

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TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
OPEN_BALANCE	NULL	NUMBER	Contains current open order balance (value of unshipped orders). This amount is updated during order entry and shipping for use in credit checking under oracle financials. Balance is incremented for new open orders and decremented when an
CUSTPRICE_CLASS	NULL	VARCHAR2(8)	Class to group customers for pricing purposes. Used in pricing tables. Fk to op_cprc_cls.
EMAIL_ADDRESS	NULL	VARCHAR2(70)	Freeform text to store email address for customer.
LOCKBOX_CODE	NULL	VARCHAR2(8)	Default lockbox code where customer remits payment. Fk to op_lkbx_mst.
EDI_FLAG	NOT NULL	NUMBER(5)	For future use; identifies if customer uses edi.
USE_PROFILE	NOT NULL	NUMBER(5)	Indicates if order profile should be used to create orders for customer. Values are: 0 means that order profile is not used automatically when an order is taken for the customer 1 means that the order profile is automatically copied inwh
RESTRICT_TO_CUSTITEMS	NOT NULL	NUMBER(5)	Indicates if customer can order items which are not defined in the customer-item table. Value of 1 means that only items defined in the customer-item table can be ordered by this customer. Value of 0 means that any items canbe ordered b
SOCONFIRM_IND	NOT NULL	NUMBER(5)	Indicates if customer requires a sales order confirmation. Value of 0 means that no confirmation is required; value of 1 means that a sales order confirmation must be sent. Indicator will be used in the future.
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield

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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
LOWEST_PRICE_IND	NULL	NUMBER(5)	Value of 0 (zero) means that normal pricing rules are in effect; value of 1 (one) means that pricing of an order for this customer will select the lowest price from effective pricelists established for this customer.

Indexes

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

Sequences

Sequence	Derived Column
GEM5_CUST_ID_S	CUST_ID

PM_BTCH_HDR

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

Foreign Keys

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

Column Descriptions

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

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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
		2	BATCH_STATUS
		3	BATCH_NO

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PM_BTCH_HDRI3	NOT UNIQUE	1	PARENTLINE_ID
PM_BTCH_HDR_PK	UNIQUE	10	BATCH_ID
PM_BTCH_HDR_U1	UNIQUE	10	PLANT_CODE
		20	BATCH_NO
		30	BATCH_TYPE

Sequences

Sequence	Derived Column
GEM5_BATCH_ID_S	BATCH_ID

PM_MATL_DTL

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

Foreign Keys

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

Column Descriptions

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

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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
		2	LINE_TYPE
		3	LINE_NO

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PM_MATL_DTL_PK	UNIQUE	10	BATCH_ID
		20	LINE_ID

PO_VEND_MST

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

Foreign Keys

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

Column Descriptions

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

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

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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

Indexes

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

Sequences

Sequence	Derived Column
GEM5_VENDOR_ID_S	VENDOR_ID

QC_ACTN_MST

QC action codes. Expiration, out-of-spec, out-of-grade actions.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
ACTION_CODE (PK)	NOT NULL	VARCHAR2(4)	Code for the action to be performed.
ACTION_DESC	NOT NULL	VARCHAR2(40)	Full description of the action code.
ACTION_INTERVAL	NOT NULL	NUMBER	Days between failure to meet spec and performance of action.
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

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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
QC_ACTN_MST_PK	UNIQUE	1	ACTION_CODE

QC_ASSY_TYP

QC assay master. Definitions of quality control assays.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_UNIT_MST	QCUNIT_CODE	QCUNIT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
QCASSY_TYP_ID (PK)	NOT NULL	NUMBER(15)	
ORGN_CODE	NULL	VARCHAR2(4)	Code for the organization which uses the assay. Blank for global assays.
ASSAY_CODE	NOT NULL	VARCHAR2(16)	Assay code.
ASSAY_DESC	NOT NULL	VARCHAR2(40)	Assay description.
ASSAY_TYPE	NOT NULL	NUMBER(5)	0=Character; 1=Numeric range; 2=List of values.
QCUNIT_CODE	NOT NULL	VARCHAR2(4)	QC unit of measure code.
TEST_OPRN_ID	NULL	NUMBER(10)	Not currently used.
TEST_OPRN_LINE_ID	NULL	NUMBER(10)	Not currently used.
TEST_PROVIDER_CODE	NULL	VARCHAR2(8)	Not currently used.
MIN_VALID	NULL	NUMBER	Minimum valid numeric assay result.
MAX_VALID	NULL	NUMBER	Maximum valid numeric assay result.
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
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
ASSAY_CLASS	NULL	VARCHAR2(8)	Class that assay belongs to
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

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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
QC_ASSY_TYP_PK	UNIQUE	1	QCASSY_TYP_ID
QC_ASSY_TYP_U1	UNIQUE	1	ORGN_CODE
		2	ASSAY_CODE

Sequences

Sequence	Derived Column
GEM5_QCASSY_TYP_ID_S	QCASSY_TYP_ID

QC_ASSY_VAL

List of valid QC assay values, for assays with assay_type=2.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
QC_ASSY_TYP	QCASSY_TYP_ID	QCASSY_TYP_ID
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE

Column Descriptions

Name	Null	Type	Description
QCASSY_VAL_ID (PK)	NOT NULL	NUMBER(15)	Surrogate key to this record
QCASSY_TYP_ID	NOT NULL	NUMBER(15)	Surrogate key to access qc_assy_typ to get the assay type
ORGN_CODE	NULL	VARCHAR2(4)	Organization code.
ASSAY_CODE	NOT NULL	VARCHAR2(16)	Assay code.
ASSAY_VALUE	NOT NULL	VARCHAR2(16)	Valid value for the assay.
VALUE_DESC	NOT NULL	VARCHAR2(40)	Description of the value.
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
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
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

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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
QC_ASSY_VAL_PK	UNIQUE	1	QCASSY_VAL_ID
QC_ASSY_VAL_U1	UNIQUE	1	ORGN_CODE
		2	ASSAY_CODE
		3	ASSAY_VALUE

Sequences

Sequence	Derived Column
GEM5_QCASSY_VAL_ID_S	QCASSY_VAL_ID

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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

QC_HRES_MST

QC hold reason code master. Definition of QC hold reason 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
QCHOLD_RES_CODE (PK)	NOT NULL	VARCHAR2(4)	Code for the QC hold reason.
QCHOLD_RES_DESC	NOT NULL	VARCHAR2(40)	Description of the QC hold reason.
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.
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
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_HRES_MST_PK	UNIQUE	1	QCHOLD_RES_CODE

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QC_RSLT_MST

QC results master. Results of tests against QC assays. Results can be either for an item / location, a customer, a vendor, or a batch.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_MATL_DTL	FORMULALINE_ID	FORMULALINE_ID
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_ROUT_DTL	ROUTING_ID	ROUTING_ID
		ROUTINGSTEP_NO
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_LOCT_MST	WHSE_CODE	WHSE_CODE
		LOCATION
IC_LOTS_MST	LOT_ID	LOT_ID
		ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
OP_CUST_MST	CUST_ID	CUST_ID
PM_BTCH_HDR	BATCH_ID	BATCH_ID
PO_VEND_MST	VENDOR_ID	VENDOR_ID
QC_ASSY_TYP	QCASSY_TYP_ID	QCASSY_TYP_ID
QC_SMPL_MST	SAMPLE_ID	SAMPLE_ID
QC_SPEC_MST	QC_SPEC_ID	QC_SPEC_ID
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_UNIT_MST	QCUNIT_CODE	QCUNIT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
QCASSY_TYP_ID	NOT NULL	NUMBER(15)	Surrogate key id used to access qc_assy_typ to get the assay type
QC_RESULT_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the result.
QC_SPEC_ID	NULL	NUMBER(10)	Surrogate key for the specification to which the result is compared.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code.
SAMPLE_ID	NOT NULL	NUMBER(10)	Surrogate key for the sample which was tested to yield this result.
RESULT_DATE	NULL	DATE	Date on which the result was acquired.
ASSAY_CODE	NOT NULL	VARCHAR2(16)	Assay for which the sample was tested.
TEXT_RESULT	NULL	VARCHAR2(16)	Result for assay_types 0 and 2.
NUM_RESULT	NULL	NUMBER	Result for assay_type 1.
QCUNIT_CODE	NOT NULL	VARCHAR2(4)	Unit of measure for the result.
ACCEPT_ANYWAY	NOT NULL	NUMBER(5)	Indicates whether the results have been accepted. 0=Not accepted, 1=Accepted.
FINAL_MARK	NOT NULL	NUMBER(5)	Indicates whether the results are considered final and will print on certificates of analysis. 0=Not final, 1=Final.
TEST_PROVIDER_CODE	NULL	VARCHAR2(8)	Not currently used.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item for which results are

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			recorded.
LOT_ID	NULL	NUMBER(10)	Surrogate key for the lot/sublot for which results are recorded.
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse from which the item was taken.
LOCATION	NULL	VARCHAR2(16)	Location from which the item was taken.
FORMULA_ID	NULL	NUMBER(10)	Surrogate key for the formula for which results are recorded.
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate key for the formula line for which results are recorded.
ROUTING_ID	NULL	NUMBER(10)	Surrogate key for the routing for which results are recorded.
ROUTINGSTEP_ID	NULL	NUMBER(10)	Surrogate key for the routing step for which results are recorded.
OPRN_ID	NULL	NUMBER(10)	Surrogate key for the operation for which results are recorded.
CUST_ID	NULL	NUMBER(10)	Surrogate key for the customer for which results are recorded.
VENDOR_ID	NULL	NUMBER(10)	Surrogate key for the vendor for which results are recorded.
BATCH_ID	NULL	NUMBER(10)	Surrogate key for the batch for which results are recorded.
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_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
ROUTINGSTEP_NO	NULL	NUMBER(5)	The routing step number from Formula routing detail
ASSAY_TESTER	NULL	VARCHAR2(30)	Assay tester
WF_RESPONSE	NULL	VARCHAR2(240)	Workflow response
ASSAY_RETEST	NULL	NUMBER(5)	Assay Retest Flag
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

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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
QC_RSLT_MSTI1	NOT UNIQUE	1	ITEM_ID
		2	LOT_ID
		3	WHSE_CODE
		4	LOCATION
		5	ASSAY_CODE
QC_RSLT_MST_PK	UNIQUE	1	QC_RESULT_ID

Sequences

Sequence	Derived Column
GEM5_QC_RESULT_ID_S	QC_RESULT_ID

QC_SMPL_MST

QC sample master. Contains sample information, including what, when, where, who, and how much.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_MATL_DTL	FORMULALINE_ID	FORMULALINE_ID
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_ROUT_DTL	ROUTINGSTEP_NO	ROUTINGSTEP_NO
		ROUTING_ID
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_LOTS_MST	ITEM_ID	ITEM_ID
		LOT_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
OP_CUST_MST	CUST_ID	CUST_ID
PM_BTCH_HDR	BATCH_ID	BATCH_ID
PO_VEND_MST	VENDOR_ID	VENDOR_ID
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
SAMPLE_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the sample.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization for which the sample is drawn.
SAMPLE_NO	NOT NULL	VARCHAR2(32)	Sample number.
SAMPLE_DESC	NULL	VARCHAR2(70)	Sample description.
BATCH_ID	NULL	NUMBER(10)	Surrogate key for the batch from which the sample was drawn.
FORMULA_ID	NULL	NUMBER(10)	Surrogate key for the formula.
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate key for the formula line.
ROUTING_ID	NULL	NUMBER(10)	Surrogate key for the routing.
ROUTINGSTEP_ID	NULL	NUMBER(10)	Surrogate key for the routing step.
OPRN_ID	NULL	NUMBER(10)	Surrogate key for the operation.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item sampled.
LOT_ID	NULL	NUMBER(10)	Surrogate key for the lot/sublot sampled.
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse in which the item was sampled.
LOCATION	NULL	VARCHAR2(16)	Location in which the item was sampled.
CUST_ID	NULL	NUMBER(10)	Surrogate key for the customer for whom the item was sampled.
VENDOR_ID	NULL	NUMBER(10)	Surrogate key for the vendor for which the item was sampled.
SAMPLE_DATE	NOT NULL	DATE	Date on which the sample was drawn.
SAMPLED_BY	NOT NULL	NUMBER(15)	Operator who drew the sample.
SAMPLE_QTY	NOT NULL	NUMBER	Quantity of material sampled.
SAMPLE_UM	NOT NULL	VARCHAR2(4)	Units of the sampled quantity.
EXTERNAL_ID	NULL	VARCHAR2(32)	Alternate sample name.
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked

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			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
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
ROUTINGSTEP_NO	NULL	NUMBER(5)	
SAMPLE_STATUS	NOT NULL	VARCHAR2(80)	Disposition of sample (e.g. ACCEPTED)
SAMPLE_FINAL_APPROVER	NULL	VARCHAR2(30)	Final Sample Approver
SAMPLE_TEST_APPROVER	NULL	VARCHAR2(30)	Sample Test Approver
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
QC_SMPL_MST_PK	UNIQUE	1	SAMPLE_ID

Sequences

Sequence	Derived Column
GEM5_QC_SAMPLE_ID_S	SAMPLE_ID

QC_SPEC_MST

QC specification master. Contains customer, vendor, item / location, and production specifications for desired (nominal) assay results.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FM_MATL_DTL	FORMULALINE_ID	FORMULALINE_ID
FM_OPRN_MST	OPRN_ID	OPRN_ID
FM_ROUT_DTL	ROUTING_ID	ROUTING_ID
		ROUTINGSTEP_NO
IC_ITEM_MST	ITEM_ID	ITEM_ID
IC_LOCT_MST	WHSE_CODE	WHSE_CODE
		LOCATION
IC_LOTS_MST	LOT_ID	LOT_ID
		ITEM_ID
IC_WHSE_MST	WHSE_CODE	WHSE_CODE
OP_CUST_MST	CUST_ID	CUST_ID
PM_BTCH_HDR	BATCH_ID	BATCH_ID
PO_VEND_MST	VENDOR_ID	VENDOR_ID
QC_ACTN_MST	ACTION_CODE	OUTACTION_CODE
QC_ASSY_TYP	QCASSY_TYP_ID	QCASSY_TYP_ID
QC_TEXT_HDR	TEXT_CODE	TEXT_CODE
QC_UNIT_MST	QCUNIT_CODE	QCUNIT_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
QC_SPEC_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the specification.
QCASSY_TYP_ID	NOT NULL	NUMBER(15)	Surrogate key id used to access qc_assy_typ to get the assay type
ORGN_CODE	NULL	VARCHAR2(4)	Organization for which the specs are entered.
ITEM_ID	NOT NULL	NUMBER(10)	Surrogate key for the item for which specs are recorded.
LOT_ID	NULL	NUMBER(10)	Surrogate key for the lot/sublot for which specs are recorded.
WHSE_CODE	NULL	VARCHAR2(4)	Warehouse for which specs are recorded.
LOCATION	NULL	VARCHAR2(16)	Location for which specs are recorded.
FORMULA_ID	NULL	NUMBER(10)	Surrogate key to formula for which specs are recorded.
FORMULALINE_ID	NULL	NUMBER(10)	Surrogate key to formula line for which specs are recorded.
ROUTING_ID	NULL	NUMBER(10)	Surrogate key to routing for which specs are recorded.
ROUTINGSTEP_ID	NULL	NUMBER(10)	Surrogate key to routing step for which specs are recorded.
OPRN_ID	NULL	NUMBER(10)	Surrogate key to operation for which specs are recorded.
DOC_TYPE	NULL	VARCHAR2(4)	Not currently used.

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DOC_ID	NULL	NUMBER(10)	Not currently used.
DOCLINE_ID	NULL	NUMBER(10)	Not currently used.
CUST_ID	NULL	NUMBER(10)	Surrogate key to customer for which specs are recorded.
CUST_SPECIFICATION	NULL	NUMBER(5)	Not currently used.
CUST_CERTIFICATION	NULL	NUMBER(5)	Not currently used.
VENDOR_ID	NULL	NUMBER(10)	Surrogate key for vendor for which specs are recorded.
VENDOR_SPECIFICATION	NULL	NUMBER(5)	Not currently used.
VENDOR_CERTIFICATION	NULL	NUMBER(5)	Not currently used.
BATCH_ID	NULL	NUMBER(10)	Surrogate key for batch for which specs are recorded.
ASSAY_CODE	NOT NULL	VARCHAR2(16)	Assay for which specs are recorded.
TEXT_SPEC	NULL	VARCHAR2(16)	Specification for assay_type 0 and 2.
TARGET_SPEC	NULL	NUMBER	Specification for assay_type 1.
MIN_SPEC	NULL	NUMBER	Lower bound for result within spec for assay type 1.
MAX_SPEC	NULL	NUMBER	Upper bound for result within spec for aassay_ type 1.
QCUNIT_CODE	NOT NULL	VARCHAR2(4)	Unit of measure code associated with this assay.
FROM_DATE	NOT NULL	DATE	Earliest effective date for the specification.
TO_DATE	NOT NULL	DATE	Latest effective date for the specification.
OUTACTION_CODE	NULL	VARCHAR2(4)	Action to be performed upon failing to meet specification.
OUTACTION_INTERVAL	NULL	NUMBER	Interval (decimal days) between failing result and performance of out of spec action.
PREFERENCE	NOT NULL	NUMBER(5)	Preference among specs.
PRINT_COA_SHIPPED	NULL	NUMBER(5)	0=Do not print certificate of analysis when material is shipped, 1=Print certificate of analysis when material is shipped.
PRINT_COA_INVOICED	NULL	NUMBER(5)	0=Do not print certificate of analysis when material is invoiced, 1=Print certificate of analysis when material is invoiced.
VENDOR_COA_REQUIRED	NULL	NUMBER(5)	0=Certificate of analysis from vendor is not required, 1=Certificate of analysis from vendor is required.
TEST_OPRN_ID	NULL	NUMBER(10)	Not currently used.
TEST_OPRN_LINE_ID	NULL	NUMBER(10)	Not currently used.
TEST_PROVIDER_CODE	NULL	VARCHAR2(8)	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
TRANS_CNT	NULL	NUMBER(10)	Not currently used
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
ROUTINGSTEP_NO	NULL	NUMBER(5)	Routingstep_no from fm_rout_dtl
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield

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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
QC_SPEC_MSTI1	NOT UNIQUE	1	ORGN_CODE
		2	CUST_ID
		3	VENDOR_ID
		4	ITEM_ID
		5	FROM_DATE
		6	TO_DATE
QC_SPEC_MSTI2	NOT UNIQUE	1	ORGN_CODE
		2	ITEM_ID
		3	LOT_ID
		4	WHSE_CODE
		5	LOCATION
		6	ASSAY_CODE
		7	FROM_DATE
		8	TO_DATE
QC_SPEC_MSTI3	NOT UNIQUE	1	ORGN_CODE
		2	BATCH_ID
		3	FORMULA_ID

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		4	FORMULALINE_ID
		5	ROUTING_ID
		6	ROUTINGSTEP_ID
		7	OPRN_ID
		8	ITEM_ID
		9	FROM_DATE
		10	TO_DATE
QC_SPEC_MST_PK	UNIQUE	1	QC_SPEC_ID

Sequences

Sequence	Derived Column
GEM5_QC_SPEC_ID_S	QC_SPEC_ID

QC_TEXT_HDR

Holds text types defined for QC 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
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
QC_TEXT_HDR_PK	UNIQUE	1	TEXT_CODE

QC_TEXT_TBL_TL

QC 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
TEXT	NULL	VARCHAR2(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
QC_TEXT_TBL_TL_PK	UNIQUE	1	TEXT_CODE
		2	LANG_CODE
		3	PARAGRAPH_CODE
		4	SUB_PARACODE
		5	LINE_NO
		6	LANGUAGE

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QC_UNIT_MST

Units of measure for QC assays. These units typically differ from those units in which inventory are stored.

Foreign Keys

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

Column Descriptions

Name	Null	Type	Description
QCUNIT_CODE (PK)	NOT NULL	VARCHAR2(4)	Unit of measure code.
QCUNIT_DESC	NOT NULL	VARCHAR2(40)	Full description of the unit of measure 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
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

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

Indexes

Index Name	Index Type	Sequence	Column Name
QC_UNIT_MST_PK	UNIQUE	1	QCUNIT_CODE

SY_DOCS_SEQ

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

Foreign Keys

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

Column Descriptions

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

Indexes

Index Name	Index Type	Sequence	Column Name
SY_DOCS_SEQ_PK	UNIQUE	10	DOC_TYPE

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20	ORGN_CODE

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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_ORGN_USR

Associates OPM Organizations with FND users. This dictates what Organizationa User has access to, limiting the ability to process transactions and view organization specific data where necessary.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
USER_ID (PK)	NOT NULL	NUMBER(15)	Foreign Key to FND_USER
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization Code (Foreign key to SY_ORGN_MST)
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
SY_ORGN_USR_PK	UNIQUE	10	USER_ID
		20	ORGN_CODE

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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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