

Oracle® Process Manufacturing

System Administration User's Guide

Release 11*i*

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Oracle Process Manufacturing System Administration User's Guide, Release 11*i*

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

- Did you find any errors?
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- FAX: 650-506-7200 Attn: Oracle Process Manufacturing
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If you would like a reply, please give your name, address, and telephone number below.

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Preface

Welcome to the *Oracle Process Manufacturing System Administration User's Guide*. This user's guide includes the information you need to work with the Oracle Process Manufacturing (OPM) application effectively.

This preface explains how this user's guide is organized and introduces other sources of information that can help you.

Intended Audience

This guide assumes that you have working knowledge of your business area's processes and tools. It also assumes that you are familiar with OPM System Administration. If you have never used OPM, we suggest you attend one or more of the Oracle Process Manufacturing training classes available through Oracle World Wide Education.

This guide also assumes that you are familiar with the Oracle Applications graphical user interface. To learn more about Oracle Applications graphical user interface, read the *Oracle Applications User's Guide*.

About This Guide

This guide contains overviews as well as task and reference information. It includes the following:

Name	Description
OPM System Setup	This topic explains how to set up and manage the OPM System Administration Functions.
Purge and Archive	This topic explains how to use the Purge and Archive functions in OPM.
OPM Lookups	This topic explains how to use the OPM Lookup window. The information found in the List of Values (LOVs), is set from this window.
Workflow Setup	This topic explains how to set up and active a Workflow.
Navigation Paths	This topics lists the navigation paths through the OPM System Administration module.

Information Sources

You can choose from many sources of information, including documentation, training, and support services to increase your knowledge and understanding.

Online Documentation

Oracle Applications documentation is available on CD-ROM, except for technical reference manuals. User's guides are available in HTML format and on paper. Technical reference manuals are available on paper only. Other documentation is available on paper and sometimes in PDF format.

The content of the documentation remains the same from format to format. Slight formatting differences could occur due to publication standards, but such differences do not affect content. For example, page numbers are included on paper, but are not included in HTML.

The HTML documentation is available from all Oracle Applications windows. Each window is programmed to start your web browser and open a specific, context-sensitive section. Once any section of the HTML documentation is open, you can navigate freely throughout all Oracle Applications documentation.

Related Documents

Oracle Process Manufacturing shares business and setup information with other Oracle products. You may find the following Oracle Applications user's guides useful:

- *Oracle Applications User's Guide Release 11i*
- *Oracle Applications Flexfields Guide Release 11i*
- *Oracle Workflow User Guide*
- *Oracle Applications System Administrator's Guide Release 11i*
- *Oracle General Ledger User's Guide Release 11i*
- *Oracle Payables User's Guide Release 11i*
- *Oracle Receivables User's Guide Release 11i*
- *Oracle Human Resources North American User's Guide Release 11i*
- *Oracle Purchasing User's Guide Release 11i*

Oracle Process Manufacturing Guides

The following is a list of documentation in each product group for OPM Release 11i:

Financials

- *Oracle Process Manufacturing Accounting Setup User's Guide*
- *Oracle Process Manufacturing Cost Management User's Guide*
- *Oracle Process Manufacturing Manufacturing Accounting Controller User's Guide*
- *Oracle Process Manufacturing and Oracle Financials Integration User's Guide*

Inventory Control

- *Oracle Process Manufacturing Intrastat Reporting User's Guide*
- *Oracle Process Manufacturing Inventory Management User's Guide*
- *Oracle Process Manufacturing Physical Inventory User's Guide*

Logistics

- *Oracle Process Manufacturing Order Fulfillment User's Guide*
- *Oracle Process Manufacturing Purchase Management User's Guide*

Process Execution

- *Oracle Process Manufacturing Process Operation Control User's Guide*
- *Oracle Process Manufacturing Production Management User's Guide*

Process Planning

- *Oracle Process Manufacturing Capacity Planning User's Guide*
- *Oracle Process Manufacturing Capacity Planning with RHYTHM Factory Planner User's Guide*
- *Oracle Process Manufacturing MPS/MRP and Forecasting User's Guide*

Product Development

- *Oracle Process Manufacturing Formula Management User's Guide*
- *Oracle Process Manufacturing Laboratory Management User's Guide*
- *Oracle Process Manufacturing Quality Management User's Guide*

Regulatory

- *Oracle Process Manufacturing Regulatory Management User's Guide*

System Administration and Technical Reference

- *Oracle Process Manufacturing Implementation Guide*
- *Oracle Process Manufacturing System Administration User's Guide*
- Oracle Process Manufacturing Technical Reference Manuals

Training

Oracle offers a complete set of formal training courses to help you master Oracle Process Manufacturing and reach full productivity quickly. We organize these courses into functional learning paths, so you take only those courses appropriate to your area of responsibility.

You have a choice of educational environments. You can attend courses offered by Oracle Education Services at any one of our many Education Centers, or you can arrange for our trainers to teach at your facility. In addition, Oracle Training professionals can tailor standard courses or develop custom courses to meet your needs. For example, you may want to use your organization's structure, terminology, and data as examples in a customized training session delivered at your own facility.

Conventions

The following conventions are used in this guide:

Bolded Text

Buttons, fields, keys, menus, and selections are bolded in procedures only. For example: To access the next window, click **OK**. Otherwise, references to these features appear in regular type.

Additional Menu Options

Only nonstandard menu options are discussed. Standard menu bar options (such as Save) are not discussed. These standard options are described in the *Oracle Applications User's Guide Release 11i*. Only menu options unique to the use of the specific window are discussed.

Field References

References to fields within procedures are in bold type. References within the body of this guide appear in regular type.

Required Fields

The word Required appears as the last word in the field description of all required fields. When the field is required contingent on the entry in another field, or only in specific situations, "Required if..." is the last sentence of the field description.

Fields Reserved for Future Use

Fields with no current processing implications are referenced by the statement "This field is not currently used" or "Reserved for future use." Do not use these fields for your own reference data, because there are plans to link future functionality to these fields. Fields intended for informational purposes only are referenced by the statement "This field is for informational purposes only."

Pending/Completed Transactions

Discussions about processing transactions that use the words pending and completed refer to the status of a transaction. Pending and completed do not refer to the database tables that are updated as a result of transactions (for example, some completed transactions are stored in the Pending Transactions table).

Procedures

Most topics contain a procedure with numbered steps. Any actions which are subordinate to a step are assigned letters. You can customize your Oracle Application, therefore, all procedures are suggestive only. Navigate to windows and

between responsibilities in a way that works best for your particular setup. Also note that fields may appear in a different order than they are discussed.

Use of the Word Character

The word character means an alphanumeric character. Characters that are numeric or alphabetic only are referenced specifically. Depending on your system security profile, you may not have access to all of the windows and functions described in this guide. If you do not see a menu option described in this guide, and you want access to it, contact your System Administrator.

Do Not Use Database Tools to Modify Oracle Applications Data

Oracle Applications tables are interrelated. As a result, any change you make using Oracle Applications can update many tables at once. If you modify the Oracle Applications data using anything other than Oracle Applications, you could change a row in one table without making corresponding changes in related tables. If your tables are not synchronized with each other, you risk retrieving erroneous information and receiving unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also track who changes information. If you enter information into database tables using database tools, you could store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

Consequently, we strongly recommend that you never use SQL*Plus or any other tool to modify Oracle Applications data unless otherwise instructed by Oracle Support Services.

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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 45 software modules for financial management, supply chain management, manufacturing, project systems, human resources, 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 140 countries around the world.

Thank You

Thank you for choosing Oracle Process Manufacturing and this user's guide.

We value your comments and feedback. At the beginning of this guide is a Reader's Comment Form that you can use to explain what you like or dislike about this user's guide. Mail your comments to the following address or call us directly at 650-506-7000.

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OPM System Setup

This topic explains how to set up and manage the OPM System Administration Functions. This includes, Document Types, Unit of Measure, Users and Organizations, as well as several others.

The following topics are covered:

- Document Types
- Document Ordering
- Geography Codes
- HR Locations
- Organization Parameters
- OPM Organizations
- Paragraphs
- Reason Codes
- Session Parameters
- Text Tokens
- Units Of Measure
- Unit Of Measure Type
- User Organization
- User Planning Classes
- Special Menu

Editing Document Types

Documents are used to categorize transaction activity that is generated from many OPM functions including inventory, sales, purchasing, production, etc. OPM documents are categorized by type, each recording different kinds of information related to different transactions. Document types and organizations must be defined before you can define document ordering.

Note: Do not modify the document types supplied with OPM. You can add and maintain new document types, but do not change the supplied document types.

Use the Document Types window to add and maintain document types. Examples of document types include the following:

- ADJI - Inventory Adjustment - Immediate
- ADJR - Inventory Adjustment - Journaled
- BAL - Balance Qty - For MRP
- CMOR - Combined MORD
- CREI - Create New Inventory - Immediate
- CRER - Create New Inventory - Journaled
- DMOR - Divided MORD
- DDOR - Dummy DORD
- FCST - Forecast
- FPO - Firm Planned Order
- GLVN - General Ledger Voucher No.
- GRDI - Change Grade - Immediate
- GRDR - Change Grade Journaled'
- JRNL - Inventory Quantities Document Sequencing
- OPCR - Credit Memo Document Number
- OPDB - Debit Memo document Number
- OPIN - Invoices

- OPOP - Sales Order Profiles
- OPSO - Sales orders
- OPSP - Shipment
- MGRI - Mass Grade Update - Immediate
- MSTI - Jounaled Sales Return - Mass Status Update - Immediate
- MTRI - Mass Movement - Immediate
- PBPR - Planned BPO Release
- PBPO - Blanket Purchase Orders
- PICY - Physical Inventory - Cycle No
- PIPH - Physical Inventory - Physical
- PORD - Purchase orders
- PROD - Production Batch
- RECV - Receiving
- PPRD - Planned Production
- PPUR - Planned Purchase
- PTRN - Planned Transfer
- RVAL - Cost Revaluation Process
- REPI - Replace Quantity/Status - Immediate
- REPR - Replace Quantity/Status - Jounaled
- RTRN - Purchase Return (Rglr/Stock Receipt)
- SHRT - MRP - Document Type for Shortage
- STSI - Change Status - Immediate
- STSR - Change Status - Jounaled
- TRNI - Inventory Movement - Immediate
- TRNR - Inventory Movement - Jounaled
- XFER - Required to operate the Transfer form
- XPRD - Phantom
- XSHT - Phantom Shortage

Document Types Procedure

1. Navigate to the **Document Types** window.
2. Complete the fields as described.
3. Save the window.

Document Types Field Reference

Type

Displays the code, maximum four characters, that identifies this document type.

Description

Displays the text, maximum 40 characters, that describes this document type.

English Description

Displays additional text, maximum 40 characters, that describes this document type.

Editing Document Ordering

Use the Document Ordering window to determine the document number assignment for each type of document. A Document is an online window that creates a financial, inventory, or resource transaction. Different document numbers are assigned for each document type and organization. All document numbers are prefaced with an organization code; therefore, multiple organizations can use the same number ranges and still uniquely identify their documents.

Numbers can be assigned to documents manually or automatically.

- If you use automatic number assignment, OPM assigns numbers to documents sequentially. However, do the following:
 - Initiate the document numbering sequence by assigning a number that is smaller in value by 1 than the desired starting document number.
 - Define the maximum number of digits for the number, which cannot exceed 10 digits (or six digits if integrated with Oracle Financials).
 - Determine whether the number is padded with leading zeroes or blanks. Zeros are recommended for reporting/query purposes.
- If you use manual number assignment, assign the document numbers. Manual number assignment is useful when you are using pre-printed forms or when document numbers are generated by another system.

Note: Define a number assignment on the Document Order window for the document type JRNL to interact with the Inventory Quantities window. All inventory quantity documents use the numbering scheme defined for the document type JRNL.

Pay careful attention to the initial number assignment. Altering number assignment parameters after documents are saved may cause problems with the order in which documents are listed on reports and lookups.

Document Ordering Procedure

1. Navigate to the **Document Ordering** window.
2. Complete the fields as described.
3. Save the window.

Document Ordering Field Reference

Document Type

Enter the code, which was defined on the Document Type window, that identifies the document type for which you want to define this document numbering system. (Required)

Organization

Enter the code, which was defined on the Organizations window, that identifies the organization for which you want to define this document numbering system. Transactions generated from your documents will be associated with the Organization chosen here. (Required)

Assignment Type

Determines whether you assign document numbers manually or automatically for this document type and organization. (Required)

Manual = Manual number assignment (allows alphanumeric characters)

Automatic = Automatic number assignment (numeric only)

Last Assigned

This field is displayed when you enter Automatic as the Assign Type value. A document number may or may not be displayed depending upon whether you have already established document ordering:

- If you are assigning a document number for the first time, enter the document number that is smaller in value by 1 than the desired starting document number. For example, if you want purchase orders to begin with document number 200, enter 199 in this field.
- If you have already assigned a document number, the last number assigned to this document type and organization is displayed.

Format Size

Enter the maximum number of digits for this document type and organization. You can enter any positive number between 1 and 10. For example, if you will assign purchase order numbers 1 to 999, enter the value 3.

If you are integrating with Oracle Financials, the maximum size is 6.

Editing Geography Codes

Use the Geography Code window to add and maintain user-defined geography codes. Geography codes are used to reference geographical areas on purchase orders, customer receipts, and other documents that contain addresses.

Geography Code Procedure

1. Navigate to the **Geography Code** window.
2. Complete the fields as described.
3. Save the window.

Geography Code Field Reference

Type

Defines the type of Geography Code. The options are:

- Country
- State
- Province
- County

Code

Displays the code that identifies the geographical area; for example, NY for New York.

Description

Displays the text that describes the geography code.

Editing HR Organizations

Use the HR Organization window to set up:

- Business Groups
- GRES (Government Reporting Entities)
- internal organizations
- external organizations

The nature of each organization is determined by the *classification* you select for it. The setup information you enter for an organization depends in large part on its *classification*. You must create a Business Group and a responsibility to allow access to it, before you create other organizations.

You can enter the basic information into this form to set up a Business Group. It is critical at this point to set up the Inventory Organization Parameters.

For more details on setting up this form, refer to the *Oracle Human Resources North American User's Guide Release 11i*.

Editing Organization Parameters

The Organization Parameters for is found by navigating to OPM System Setup > HR Organizations > Description > Others > Inventory Information.

This form is used to define the organization parameters (inventory, costing etc.) for the organizations classified as 'Inventory Organization'. This form will be modified to add two new fields:

1. Process Enabled
2. Process Organization

The user will enable the flag 'Process Enabled' on the folder 'Inventory Parameters' to indicate that this is an OPM warehouse. As a result of enabling this flag, the field 'Process Organization' will become active and mandatory. The field 'Process Organization' will contain of a list of values of all OPM companies and their children organizations that are attached to the Operating Unit of this Inventory Organization.

For more details on setting up this form, refer to the *Oracle Inventory User's Guide Release 11i*.

Editing HR Locations

This menu option has been added to OPM System Administration responsibility to allow creation of HR Locations which gets attached to the HR Organizations. When this HR Organization is classified as an Inventory Organization (Process Enabled) and saved, a database trigger will create an OPM warehouse. The address in the HR Location for the Organization will be synchronized to OPM as the warehouse address.

No changes have been made to the form. However, a new address style 'OPM' is defined for the Human Resources Descriptive flexfield Location Address. This address style and the flexfield structure could be seeded into the application or alternatively part of the setup and included in the OPM setup documentation.

In the case where a different address style is used, the organization trigger will use the mapping defined for the 'OPM' address style and attempt to synchronize the addresses.

Users can extend the 'OPM' address style, if needed. The organization trigger will work properly as long as the seeded values of this address style flexfield are not modified.

For more details on setting up this form, refer to the *Oracle Human Resources North American User's Guide Release 11i*.

Editing Organizations

Organizations are entities to which you can assign resources, warehouses, General Ledger accounts, and other cross-module items. When you define an organization, specify whether it is a company, a plant, or both. A company is a legal entity that must maintain a balanced set of books. A plant is an organization that manufactures goods.

Both companies and plants are classified as organizations in OPM.

You can set up "parent" organizations with multiple "child" organizations. Child organizations can have independent resources and warehouses that are accounted for on the parent general ledger; you must, however, set up the parent organization before the child organizations. You can also create independent organizations. Organizational setup accommodates multi-company accounting.

Organizational Hierarchies

In setting up an organization, you must specify the organization's parent organization. In this way, organizational hierarchies can be constructed. For example, a company may have several subsidiary companies, and each company may have several plants.

Organizations Procedure

1. Navigate to the **Organizations** window.
2. Complete the fields as described.
3. Save the window.

Organizations Field Reference

Organization

Enter a unique code to identify the organization, for example, 100.

If you are defining an organization that you will associate with a parent company, you may want to enter a code that relates the organization to the parent company. If this is an organization under 100, enter 101.

The code entered will be used to identify documents printed for this organization.

Name

Displays descriptive information, such as the company or plant name, for the organization you are defining.

Parent

Parent organization is one level above a given organization on the organizational hierarchy. If the given organization is at the top of the organizational hierarchy, enter its organization code.

Company

Displays a unique code to identify the Oracle Financials company. If the organization is a company, enter its organization code. If the organization is not a company, enter the organization code of the company to which the organization reports.

Plant

Determines whether the organization is a manufacturing plant.

Non Manufacturing Plant = Organization is not a manufacturing plant

Manufacturing Plant = Organization is a manufacturing plant

Process Operation Control

Determine whether Process Operations Control (POC) data (Routing information) will be collected.

Data Not Collected = POC data will not be collected

Data Collected = POC data will be collected

Tax Location

Displays the tax location code for the organization.

The tax location code is set up on the Tax Location Code window; however, you can enter the default value "NONE" until you set up tax information.

This field is only required if the system constant OP\$GEMMSTAX is set to a value of 1.

Editing Paragraphs

Paragraphs in OPM are structures that are used to store and categorize text. OPM is installed with one default paragraph per database table, the General Text paragraph. When you select Edit Text and access the Text Editor window, by default, the edited text is put into this General Text paragraph.

The Paragraphs window allows you to specify different paragraphs that can be associated with tables. After selecting Edit Text, a list of valid paragraphs displays in the Text Paragraph Selection window, even if the only available paragraph code is General Text. You must choose one to proceed.

Paragraph codes control whether text prints on hardcopy documents such as orders or shipping forms or what language your text is stored in. The default General Text paragraph is set up as display only, but it can be changed to enable printing.

Most OPM forms enable you to associate text with the document or record with which you are working. To add or update text, select Edit Text from the Special pulldown menu, choose the Paragraph which you want to associate the text with, and access the Text Editor window. The entered text can be displayed on-line and can be printed on hard copies of documents.

Take, for example, purchase orders. If you are creating or editing a purchase order header on the Purchase Orders window, you can select Edit Text from the Special pulldown menu and add the text that will be associated with the document. If you are creating or editing purchase order lines on the Purchase Order Lines window, you can add text to each line, which is associated with each line of the document. The text you add is associated only with the purchase order line that was highlighted when you selected Edit Text.

When you invoke the Text Editor, the entered text is associated only with the paragraph code and record on which you are working. For example, if you enter text for a line in an order using the General Text paragraph, that text is associated only with that line on that order.

Note: Paragraph codes are linked to specific database tables when they are set up; therefore, you will not see the same list of paragraphs from every OPM window.

For example, you could create a paragraph on the Batch Header table (pm_btch_hdr). When you select Edit Text from the Special menu, this paragraph is displayed as an option on the Text Paragraph Selection window. If you have defined a paragraph for Routing Instructions, select the Routing Instructions paragraph. The entered text is stored in this paragraph.

Paragraph Procedure

1. Navigate to the **Paragraph** window.
2. Complete the fields as described.
3. Save the window.

Paragraph Field Reference

Table

Displays the database table name to which this paragraph is to be linked.

Language

Displays the language code associated with this paragraph.

Code

Displays the code that identifies this paragraph.

Note: If you are creating subparagraphs, each subparagraph should have the same paragraph code as the main paragraph.

Sub Code

Displays a subparagraph code when you have one paragraph related to another paragraph. Subparagraphs are printed beneath the main paragraph in numerical order. Subparagraph codes must be integers, which determine the order in which subparagraphs are printed.

The subparagraph code for the main paragraph is the default value 0.

Nonprintable

Displays the print indicator, which specifies whether the paragraph text is to be included when documents are printed:

Yes - Text prints

No - Text does not print

Description

Displays a maximum 40-character description. This description is displayed when you select paragraphs for which you will enter text.

Editing Reason Codes

Reason codes provide information on increases or decreases in inventory. They are used to flag transactions and attach reasons to them. All transactions entered through the Inventory Quantities window, must have a reason code associated with it. Other OPM forms require Reason Codes as well.

For example, you may have a batch of product that cannot be shipped because the color is wrong. Should this be a common occurrence, you may want to set up a reason code which would readily identify such situations.

Reason Code Procedure

1. Navigate to the **Reason Codes** window.
2. Complete the fields as described.
3. Save the window.

Reason Code Field Reference

Code

Displays the code, maximum four characters, that identifies this reason.

Type

Indicates the effect on inventory quantity associated with this reason code.

Increases & Decreases = Allow increases and decreases to inventory. Reason codes for movement of inventory between warehouses must have this Reason Type because there is a decrease in inventory at one warehouse and an increase at another.

Increases = Allow only increases to inventory.

Decreases = Allow only decreases to inventory.

Flow

Indicates the type of stock movement with which the reason code is associated. The corresponding inventory adjustment that results from stock movement may be related to the following: an inflow of goods, as in a purchase; an outflow of goods, as in a sale; the usage of goods, consumption; and to other miscellaneous reasons, for example, spillage.

Outflows

Usages

Inflows

Exclude

Consider the following scenarios. To correct errors made in recording consumption, you may want to set up reason codes for adjustments to inventory quantity.

For example, if too little were recorded consumed, inventory would have to be adjusted downward. You could use the following reason code parameters:

Reason type = Decreases, which allows for a decrease to inventory

Flow type = Usages, which indicates usage

If too much were recorded consumed, inventory would have to be adjusted upward. You could use the following reason code parameters:

Reason type = Increases, which allows for an increase to inventory

Flow type = Usages, which indicates usage

Description

Displays the text, maximum 40 characters, which describes this reason code. This description is displayed on forms where this reason code is used.

Comment

Displays comments, maximum 70 characters, for this reason code. These comments are printed on reports, but are not displayed on documents where this reason code is used.

Authorization

Reserved for future use.

Editing Session Parameters

In addition to providing current system session information, the Session Parameters window enables you to change your default organization and default schedule simply by selecting the new entry using the List of Values and clicking OK. You can specify whether you want the change to affect only the current session or all sessions until the default organization value may be changed again.

Note: OPM will only allow you to choose an organization for which you are authorized to specify as defined through the User Organizations window. See the *Assigning Organizations to User* topic for details.

Session Parameters Procedure

1. Navigate to the **Session Parameters** window.
2. Complete the fields as described.
3. Save the window.

Session Parameters Field Reference

Session Number

A unique session ID, created automatically on a per session, per user basis.

Time

Displays the logon date and time.

Database Manager

Displays the RDBMS name Oracle.

Database

Displays the database name Oracle.

Username

Displays the user and user name of the current session's user.

Organization

Enter the code for the organization that is to be the default organization. This code must be one for which you are authorized to select as specified through the User Organizations window.

Company

Displays the Company code associated with the default Organization.

Schedule

Enter the default schedule for this session.

Editing Text Tokens

Text tokens are codes or short descriptions that represent longer descriptions or messages. These tokens are set up on the Text Token window.

After selecting Edit Text from the Special pulldown menu and invoking the Text Editor, specify a token instead of typing the full description of the text by entering a token preceded by a period. Upon clicking the **<Tab>** key, the token is converted to the text it represents.

For example, you might set up a text token called Fragile that represents the text: Fragile, Handle with Care. Whenever you want to include these instructions on a document, you can type Fragile on the Text Editor window rather than typing the message text. You can also invoke the LOV function to select a text token. After choosing from the LOV, click **<Tab>**.

To record the text that will be printed when you enter the token, select Edit from the Special pulldown menu and enter the text on the Text Editor window.

Text Tokens Procedure

1. Navigate to the **Text Tokens** window.
2. Complete the fields as described.
3. Save the window.

Text Tokens Field Reference

Token

Enter the code or a short description, of up to 40 characters, for this text token. This token is the value that is entered on the Text Editor window preceded by a period.

Language

Enter the code for the language in which you want the text to be printed. Language codes are set up on the Languages window.

Description

Enter a short description for this text token. This is not the text that replaces the token. Instead, this description appears on lookups. To create the text that you want to replace the token, select Edit Text from the Special pulldown menu.

Special > Edit Text

In order to create the text that you want to replace the token, select Edit Text from the Special pulldown menu. For more details on using the Edit Text option, refer to the *Special Menu* topic.

Editing Units of Measure

The Unit of Measure window is used to add and maintain Units of Measure (UOM) definitions. A UOM definition consists of a UOM code, a description, a type, and the conversions between the reference UOM and all other UOMs of the same type.

Before you can maintain, purchase, or sell inventory, you must define the UOMs against which the item quantities are measured.

Note: The order in which you set up UOMs is of utmost importance. The first UOM value that you define for a given UOM type becomes the reference against which all other UOMs of the same UOM type are based. All subsequent UOMs defined for the specified UOM type require conversion against this reference UOM.

All conversions specified on the Units of Measure window are conversions between the same UOM types. Conversions across UOM types must be defined individually for each item on the Item Lot/Sublot Std Conversion window.

After setting up UOM types, set up the actual UOM values on the Unit of Measure window. The first UOM that you set up for each UOM type becomes the reference UOM, also called base or standard UOM, for that type. All other UOMs of this type are defined in relation to the reference UOM.

For example, should you set up L (liters) as the first UOM for the UOM type VOL (volume), you have to define each new volume UOM in terms of liters; therefore, if the new volume is GAL (gallons), it must be defined in relation to liters. As such, you would specify a two-way conversion between GAL (gallons) and L (liters) and L (liters) and GAL (gallons) in the Conversion column.

The two-way conversion equation is as follows:

- One unit of "new" UOM = X unit of "reference" UOM
- One unit of "reference" UOM = X unit of "new" UOM

The factor between the newly entered UOM, in this example GAL (gallons), and the reference UOM, L (liters), and vice versa, is entered in the Conversion Factor column. You only need to enter the conversion factor going "one way"; the other conversion factor will be automatically calculated.

Note: Altering the UOM conversion once inventory has been created will corrupt inventory balances.

All conversions specified on the Unit of Measure window are conversions between the same UOM types. For example, for a VOL (volume) UOM type with a reference UOM of L(liter), you might have two-way conversions between GAL(gallons) and L(liters), ML(milliliters) and L(liters), OZ(fluid ounces) and L(liters), and so on. Conversions across UOM types, for example MASS(mass) to VOL(volume) type conversions involving LB(pounds) to L(liters), must be defined individually for each item on the Item Lot/Sublot Std Conversion window. See the *Item Conversions* topic. Keep in mind, the reference UOM for a particular UOM type is the measure against which a conversion is based even when the conversion is across UOM types. In keeping with the example, L(liter) would still be the reference UOM for the VOL(volume) UOM type.

The new UOM is available to the session in which you entered the UOM and to all users beginning OPM sessions after you enter it. If you change a conversion, the change does not take effect in the current session. You must log out of OPM and then log in again. Note that this is not recommended.

Units of Measure Procedure

1. Navigate to the **Units of Measure** window.
2. Complete the fields as described.
3. Save the window.

Units of Measure Field Reference

UOM Code

Enter the maximum-four character code for this UOM. This code should be a logical abbreviation for the UOM it represents; for example, the code "GL" logically represents gallon as a UOM.

This field is restricted to a three character code if you are integrated with Oracle Financials.

Description

Enter a full description, maximum 40 characters, that details the UOM; for example, enter "Box of 5000", or "Fluid ounces (British)".

UOM Type

Enter the code for the UOM type; for example, if you specified a UOM code of gallon, you might enter a UOM type of volume. The UOM type code must first be set up on the UOM Type window. See the *Set Up UOM Types* topic.

Reference UOM

Automatically populated with the first UOM value defined for the specified UOM type. For example, if you set up liters as the first UOM for the UOM type VOL(volume), the UOM code and description for L(liters) are displayed in the Reference UOM field.

All UOMs of a particular type are defined in relation to the reference UOM.

Conversion

This column is automatically populated with the Unit of Measure Codes you are converting between. It will display the "new" UOM from which you are converting and the "reference" UOM to which you are converting.

The two-way conversion equation is as follows:

- One unit of "new" UOM = X unit of "reference" UOM
- One unit of "reference" UOM = X unit of "new" UOM

Conversion Factor

This column consists of the following two fields, one of which must be manually populated with a conversion factor value:

- Enter the reference conversion factor value that corresponds to the number of reference UOMs that can be divided into this UOM. For example, if the UOM you are adding or editing is "Dozen" and the reference UOM is "Each," enter the value 12 as the standard reference conversion factor. This value represents the number of reference UOMs in one of these UOMs.

- Enter the reverse reference conversion factor value that corresponds to the number of this UOM that can be divided into the reference UOM. For example, if the reference UOM is "Each" and the UOM you are adding or editing is "Dozen," enter the value 0.083333333 as the reverse reference conversion factor. This value represents the number of this UOM in one reference UOM.

When you manually enter a value into one field, the other field is automatically populated with the "inverse" conversion value.

Editing Unit of Measure Types

The first step in setting up Units of Measure is to define UOM types on the UOM Type window. UOM types are used to classify UOM groups that measure particular physical characteristics. For example, before you can add gallon as a UOM, volume must be set up as a UOM type. Examples of UOM types include volume, mass, length, and count.

UOM Type Procedure

1. Navigate to the **Unit of Measure Types** window.
2. Complete the fields as described.
3. Save the window.

UOM Type Field Reference

Type

Enter up to a 10 character UOM type code.

Description

Enter a maximum 40 character description for this UOM type.

Editing User Organizations

The default organization for each user is defined through Oracle System Administration Personal Profiles and associating an OPM Organization Code under the User Value column to the profile option GEMMS_DEFAULT_ORGN. Use the User Organizations window to assign any number of organizations to a user. Once assigned, a user can only work with an organization from among these authorized organizations.

User Organizations Procedure

1. Select the **User Organizations** window.
2. Complete the fields as described.
3. Save the window.

User Organizations Field Reference

Username

Enter the username for whom the organizations are assigned.

Code

Displays the code for the organization that is authorized for selection by this user.

Description

Displays the description of the organization that is authorized for selection by this user.

Editing User Planning Classes

The User Planning Classes window allows you to associate planning classes with users. Once these associations are made, an applications user will be able to run OPM reports based on the Planning Classes the user has access to.

The default planning class for each user is defined through the Oracle Applications System Administration Personal Profiles and associating a planning class under the User Value column to the profile option GEMMS_DEFAULT_SCHEDULE.

Note: User Planning Classes are required for generating MRP and MPS reports. Refer to the *Oracle Process Manufacturing MRP/MPS* manual for additional information on how User Planning Classes are defined and used.

User Planning Classes Procedure

1. Navigate to the **User Planning Classes** window.
2. Complete the fields as described.
3. Save the window.

User Planning Classes Field Reference

User

Select a user through the Find... or Query functions. A user name will be displayed, as well as the user name description.

Class

Displays the code for the planning class that the user is associated with.

Description

Displays the description of the planning class that the user is associated with.

Special Menu

From the Special menu, there are options that can be used to edit information. The Edit Text and Address Edit options, if available, will edit both the text in the text token, or allow you to change all of the address information for the selected user.

Edit Text

If there is only one line of text to be edited, the Text Edit window will appear. If there is more than one line that can be edited, the Select Text Paragraph window will appear first.

Edit Text Procedure

1. Navigate to the Edit Text option.
2. If the **Select Text Paragraph** window is displayed, select a line, and click **Edit Text**. If not, the **Text Edit** window will be displayed.
3. Complete the fields as described.
4. Click **OK**.

Edit Text Field Reference

Language

Displays the language code for the text.

Table Name

Displays the table name that the text is stored in.

Description

Displays a description of the text.

Text

Enter the appropriate text.

Address Edit

If the forms you are using has the Address Edit option, you can change the address information for the selected user.

Address Edit Procedure

1. Navigate to the **Address Edit** window.
2. Complete the fields as described.
3. Click **OK**.

Address Edit Field Reference

Name

Displays the name of the selected organization or entity that has an address associated with it.

Line 1

Displays address line 1.

Line 2

Displays address line 2.

Line 3

Displays address line 3.

Line 4

Displays address line 4.

City

Displays the city. This is user-defined on this window and not validated.

State

Displays the code and description for the state. The State is defined through the Geography Codes window. There is an LOV defined for the field against the SY_GEOG_TBL, specific to its geography type.

Country

Displays the code and description for the country. The Country is defined through the Geography Codes window. There is an LOV defined for the field against the SY_GEOG_TBL, specific to its geography type.

Postal

Displays the postal code.

Province

Displays the code and description for the province. The Province is defined through the Geography Codes window. There is an LOV defined for the field against the SY_GEOG_TBL, specific to its geography type.

County

Displays the code and description for the county. The County is defined through the Geography Codes window. There is an LOV defined for the field against the SY_GEOG_TBL, specific to its geography type.

2

Purge and Archive

This topic explains how to use the Purge and Archive functions in OPM.

The following topics are covered:

- Purge and Archive
- Purge Inquiry
- Purge Setup

Purge and Archive

Use the Purge and Archive window to enter criteria for and execute a given purge. The purge can be one of the predefined OPM purges, or a custom purge defined by your System Administrator.

For the base OPM product, purge and archive functionality exists only for a pre-defined set of tables and transaction data. They are

Purge Name	Description
APRD	Selects all Production batch records and the associated detail transaction and text records
AOPS	Selects all Sales order and Shipment records and the associated detail transaction and text records
APOR	Selects all PO, Receipt, and Return records and the associated detail transaction and text records
AJNL	Selects all Inventory Journal records and the associated detail transaction and text records
PROD	Removes all Production batch records and the associated detail transaction and text records
OPSO	Removes all Sales order and Shipment records and the associated detail transaction and text records
PORD	Removes all PO, Receipt, and Return records and the associated detail transaction and text records
JRNL	Removes all Inventory Journal records and the associated detail transaction and text records

Purge and Archive Procedure

1. Navigate to the **Purge and Archive** window.
2. Complete the fields as described.
3. Save the Purge and Archive window. The Purge Id is assigned. Refer to the *Purge and Archive - Fields* topic for a description of the Purge Id.

Purge and Archive Field Reference

Purge Type

Enter value that specifies the category of all records associated with the Purge. This value was originally entered on the Purge Setup window.

There are eight standard purges. See above table for the names and descriptions of these purges.

Purge ID

A unique ID assigned to this purge. Allows you to query or retrieve the purge. Auto generated upon saving this window.

This unique ID is not created through OPM document ordering.

Purge Status

Status of this purge. Auto generated.

0 = Defined, not yet run

1 = Archive in progress

2 = Archived Successfully

3 = Purge in progress

4 = Purge Completed Successfully

-1 = Archive Process Failed

-3 = Purge Process Failed

Comment

Enter supporting information that provides additional information on the purge.

Description

Enter the description of the archive or purge you are running.

Criteria Values (Dynamic Criteria Fields)

Each standard purge has eight criteria. These criteria are:

- Latest creation date
- Last document number
- Latest modification date
- Last organization code
- Earliest creation date
- First document number
- Earliest modification date
- First organization code

Each criteria field is **required**. Following are examples of proper data formatting:

- Date criteria must follow this format: dd-mon-yyyy hh.mm.ss
- Document range must fill in the Pad characters (e.g. 00010 rather than 10)
- Ranges of organizations must contain real organization codes. For example, it is valid to enter FBP1 to FBP9 (where FBP1 and FBP9 are valid organization codes). However, it is not valid to enter A to Z

The following fields are updated following a purge or archive, and are for query only.

Row Details - Archived

The total archived. Auto generated.

Row Details - Deleted

The total rows deleted. Auto generated.

Row Details - Purged

The total rows purged. Auto generated

Note: All criteria values must be entered and the purge engine will validate all the values at run time.

Archive/Purge Process

After the purge criteria is specified on the Purge and Archive window and saved, initiate an archive of data or purge your archive tables.

Archive/Purge Dialog Window Procedure

1. Navigate to either the **Archive Process** or **Purge Process** window.
2. Complete the fields as described.

Archive/Purge Dialog Box Field Reference

Purge Date

Enter the date and time that the purge is to be executed. This field is only displayed when the Queue field is populated with a value of QUEUE1.

Purge Inquiry

Use the Purge Inquiry window to view the status of purges. The status of the purge appears in descending order from the most recently submitted purge to the oldest submitted purge. Purge status information is stored in table `sy_purg_mst`.

Purge Inquiry Procedure

1. Navigate to the **Purge Inquiry** window.
2. Enter the Purge Type to view all of the associated archives and purges.

Purge Inquiry Field Reference

Purge Type

Enter the purge name. This could be one of the standard predefined purges (**APRD**, **AOPS**, **APOR**, **AJNL**, **PORD**, **OPSP**, **PORD**, **JRNL**) or a custom purge name.

Description

The description for this purge type is displayed.

Number

Populated with the Purge ID value that was generated on the Purge & Archive window.

Start

Populated with the date and time values, which specify when the purge began or is scheduled to begin.

Elapsed (Hours)

Populated with the elapsed time, in hours, for the purge listed.

Status

Populated with the values that specify the progress of the purge process. The displayed values include the following:

- 0= Defined, not yet run
- 1= Archive in progress
- 2= Archived Successfully
- 3= Purge in progress
- 4= Purge Completed Successfully
- 1 = Unsuccessful Archive
- 3 = Unsuccessful purge

Archived

Indicates the total number of rows archived for this run (copied into Archive tables).

Deleted

Indicates the total number of rows deleted for this run (removed from live tables and put into Archive tables).

Purged

Indicates the total number of rows Purged for this run (dropped from the database).

Purge Setup

Use the Purge Setup window to view the OPM standard predefined purges - or - (for the user who is very familiar with the OPM datamodel) define custom purges.

You need not use this window to run standard predefined purges, rather you can simply view them. To execute standard predefined purges, use the Purge and Archive window.

Purge Setup Procedure

1. Navigate to the **Purge Setup** window.
2. Complete the fields as described.
3. Save the window.

Purge Setup Field Reference

Purge Type

Enter a code up to four characters that specifies the category for this purge.

Example: **PROD**

Note: PROD is a predefined Purge, you can use PROD as an example to view its setup. PROD will be display only.

Description

Enter a description of the purge.

Criteria

A "tag" that identifies the data to be entered in this field before run time. For Example, "Organization."

Mask

The database mask for the data type contained within this criteria. The three standard masks supplied with the product are C for character, D for date, and N for numeric. Entering any of these characters in the field will display the actual "to_char" or "to_data" mask used in the purge. Any mask necessary can be entered here and used with custom purges.

Description

Enter the a description for this criteria. This is displayed to the user on the Purge & Archive window when executing this purge.

Purge Tables

The Purge Tables window is displayed when selected from the Special pulldown menu when the Purge Setup window is displayed.

Purge Tables Procedure

1. Navigate to the Purge Tables window from the Special pulldown menu.
2. Complete the fields as described.
3. Save the window.

Purge Tables Field Reference

Purge Type

Enter a code up to four characters that specifies the category for this purge.
Example: PROD.

Note: PROD is a predefined Purge, you can use PROD as an example to view its setup. PROD will be display only.

Description

Enter a description of the purge.

Name

Enter the name of the Table.

Action

Enter the action to be taken. An action can either be to **Keep** the data in the Table or to **Delete** the data in the Table.

3

OPM Lookups

This topic explains how to use the OPM Lookup window. The information found in the List of Values (LOVs), is set from this window.

The following topic is covered:

- OPM Lookups

OPM Lookup

The OPM Lookup window allows you to add to the values that are found in a particular lookup, or List of Values (LOV). The available LOVs are only the ones that are seen on the OPM Lookup window.

OPM Lookup Procedure

1. Navigate to the **OPM Lookup** window.
2. Complete the fields as described.
3. Save the window.

OPM Lookup Field Reference

Type

Enter the names that will appear in the lookup.

Application

Enter the name of the OPM application that contains the column for which you are defining valid values.

Description

Enter the text that describes the category which is defined by the lookup name in the Type field.

Language

Enter the language for the lookup display. The default language for English is US.

Code

Enter the values for the lookup. These can be either numeric or alphanumeric.

Meaning

Enter the meaning of the value.

Description

Enter a description of the lookup.

From/To

Enter the dates that the lookup is effective **From** and **To**. If you do not enter a **To** date, the lookup will not expire.

Enabled

Select whether the lookup is currently enabled or not.

Workflow Setup

In creating workflow-based applications for Oracle Applications, there are many instances when it is necessary to associate an Oracle Workflow Role with some element of the workflow-based application.

From the OPM System Administration, you have the ability to use the seeded data that comes with the system, or create your own workflow activities, column definitions, and role associations. In addition, you can activate and deactivate a workflow activity from the Workflow Activation window.

The following topics are covered:

- Business Needs
- Roles
- Workflow Activity Definitions
- Column Definition
- Role Association
- Workflow Activation

Business Needs

This topic addresses the need to access roles in a consistent fashion when creating workflow-based applications. By using a generic technique instead of application-specific ones, we achieve the following:

- easily readable application code, leading to easier maintenance
- modularity, which will allow performance improvements to be applied across the board
- smaller body of code
- less likelihood of error in creating new similar code
- support for user update of the role associations via just one screen, instead of one per workflow-based application

Roles

A Role is the name of a group of Oracle Workflow users, one of which is to receive notifications for a particular instance of a workflow. That person is generally responsible for responding to notifications, and perhaps for making decisions based upon the content of the notifications.

Users may be chosen via various mechanisms from within the role at run time.

In the case of Oracle Applications, workflow roles generally map to elements of the Application responsibilities, Application users and persons defined and workflow local users and roles.

Workflow Activity Definition

This window is used to define different types of roles against a given workflow.

Prerequisites

Before you can use this window you need to ensure that a Workflow of OPM has been defined in the Database.

Workflow Activity Definitions Procedure

1. Navigate to the **Workflow Activity Definitions** window.
2. Complete the fields as described.
3. Save the window.

Workflow Activity Definitions Field Reference

Workflow

This field displays the name of the workflow.

Process

This field displays the process that will be taken by the workflow. There can be many processes associated to one workflow.

Activity

This field displays the type of activity the process will do. There can be many activities associated to one process.

Description

This field displays a description of the action the Activity will take.

Column Definition

This window defines the set of fields to be associated to a role.

Prerequisites

Before you can use this window you need to ensure that roles have been defined against the workflow to which you want to associate the fields.

Column Definition Procedure

1. Navigate to the **Column Definition** window.
2. Complete the fields as described.
3. Save the window.

Column Definition Field Reference

Workflow

This field displays the name of the workflow.

Process

This field displays the process that will be taken by the workflow. There can be many processes associated to one workflow.

Activity

This field displays the type of activity the process will do. There can be many activities associated to one process.

Description

This field displays a description of the action the Activity will take.

Column Details

Hierarchy

This field displays a unique number.

Table

This field displays the name of the OPM table in which the column name can be found.

Column Name

This field displays the column name from the OPM table.

Column Prompt

This field displays the name of the column you will see on the Role Association window.

List Table

This field displays the name of the OPM table from where the Role Association List of Values comes.

List Columns

This field displays the List of Values column name, which is two fields.

Role Association

This window defines the data to associate a role to a set of data.

Prerequisites

Before you can use this window you need to ensure that Roles are defined against the workflow to which you wish to associate the fields, and the Role Field association is defined for the role.

Role Association Procedure

1. Navigate to the **Role Association** window.
2. Complete the fields as described.
3. Save the window.

Role Association Field Reference

Workflow

This field displays the name of the workflow.

Process

This field displays the process that will be taken by the workflow. There can be many processes associated to one workflow.

Activity

This field displays the type of activity the process will do. There can be many activities associated to one process.

Description

This field displays a description of the action the Activity will take.

Role Association

Role Association Fields

These fields are dynamic from the Column Definition window. The information stored in each column defines a hierarchy determining who receives a notification. A blank field means all. For example, there are three columns, Organization, Warehouse, and Warehouse Item. Organization is blank, Warehouse contains APPL, and Warehouse Item contains APPL_ITEM_PRODUCT. Based on the hierarchy, the user named in the role will be notified if the action is taken an ALL Organizations, that are associated with the Warehouse APPL, that is associated with the Warehouse Item APPL_ITEM_PRODUCT.

Role

This field contains the name of the associated role who will be notified after the action has been taken.

Workflow Activation

The Workflow Activation for displays all currently defined workflows. From this window the user can enable or disable a workflow from running.

Workflow Activation Field Reference

WF Item Type

This field displays the internal name of the workflow.

WF Description

This field displays a basic description of the workflow.

Trigger Description

All workflow are initiated from a trigger. This field displays a description of that trigger.

Enable

This field allows you to either check a workflow to be active, or uncheck a workflow to be deactivated.

A

Navigation Paths

This table of navigator paths is organized alphabetically by form name

Form	Path
Document Ordering	OPM System Administration : OPM System Setup : Document Ordering
Document Types	OPM System Administration : OPM System Setup : Document Types
Geography Codes	OPM System Administration : OPM System Setup : Geography Codes
HR Organizations	OPM System Administration : OPM System Setup : HR Organizations
Organization Parameters	OPM System Administration : OPM System Setup : HR Organizations : Description : Others : Inventory Information
HR Locations	OPM System Administration : OPM System Setup : HR Locations
Organizations	OPM System Administration : OPM System Setup : Organizations
Paragraphs	OPM System Administration : OPM System Setup : Paragraphs
Reason Codes	OPM System Administration : OPM System Setup : Reason Codes
Session Parameters	OPM System Administration : OPM System Setup : Session Parameters
Text Tokens	OPM System Administration : OPM System Setup : Text Tokens
Units of Measure	OPM System Administration : OPM System Setup : Units of Measure
Units of Measure Types	OPM System Administration : OPM System Setup : Units of Measure Types

User Organizations	OPM System Administration : OPM System Setup : User Organizations
User Planning Classes	OPM System Administration : OPM System Setup : User Planning Classes
OPM Lookups	OPM System Administration : OPM System Setup : OPM Lookups
Purge Setup	OPM System Administration : OPM Purge and Archive : Purge Setup
Purge Tables	OPM System Administration : OPM Purge and Archive : Purge Setup : Actions : Purge Tables
Purge and Archive	OPM System Administration : OPM Purge and Archive : Purge and Archive
Archive Process	OPM System Administration : OPM Purge and Archive : Purge and Archive : Actions : Archive Process
Purge Process	OPM System Administration : OPM Purge and Archive : Purge and Archive : Actions : Purge Process
Purge Inquiry	OPM System Administration : OPM Purge and Archive : Purge Inquiry
Activity Definition	OPM System Administration : OPM Workflow Setup : Activity Definition
Column Definition	OPM System Administration : OPM Workflow Setup : Column Definition
Role Association	OPM System Administration : OPM Workflow Setup : Role Association
Workflow Activation	OPM System Administration : OPM Workflow Setup : Workflow Activation

Glossary

User Organizations

The default organization for each user is defined through Oracle System Administration Personal Profiles and associating an OPM Organization Code under the User Value column to the profile option GEMMS_DEFAULT_ORGN.

Units of Measure

A UOM definition consists of a UOM code, a description, a type, and the conversions between the reference UOM and all other UOMs of the same type.

Text Tokens

Text tokens are codes or short descriptions that represent longer descriptions or messages.

Reason Codes

Reason codes provide information on increases or decreases in inventory.

Paragraphs

Paragraphs in OPM are structures that are used to store and categorize text. OPM is installed with one default paragraph per database table, the General Text paragraph.

Organizations

Organizations are entities to which you can assign resources, warehouses, General Ledger accounts, and other cross-module items.

Assignment Type

Determines whether you assign document numbers manually or automatically for this document type and organization.

Document Types

Documents are used to categorize transaction activity that is generated from many OPM functions including inventory, sales, purchasing, production, etc.

Purge and Archive

Provides for the archiving ands removal of old data from the OPM database.

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