

Product Management

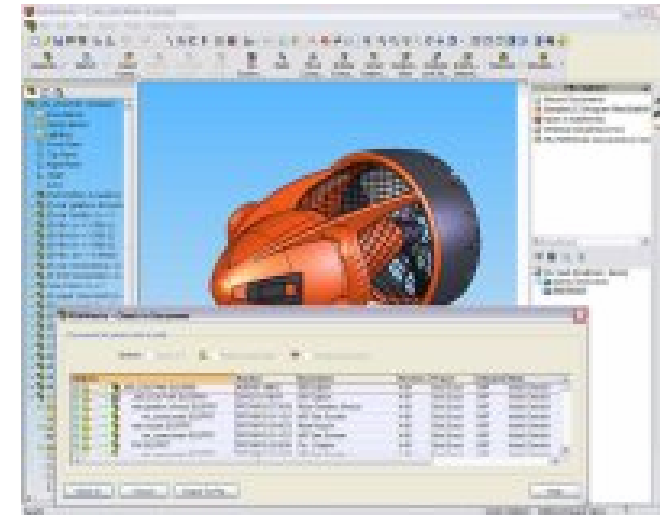
Rob Pierson
DARC Corporation

Agenda

- What is Product Lifecycle Management ?
- Lifecycle Management
- Business Case
- Product Attribution
- Lifecycle Phases
- Advanced Product Catalog
- Change Management
- R12 & Agile
- Questions & Answers

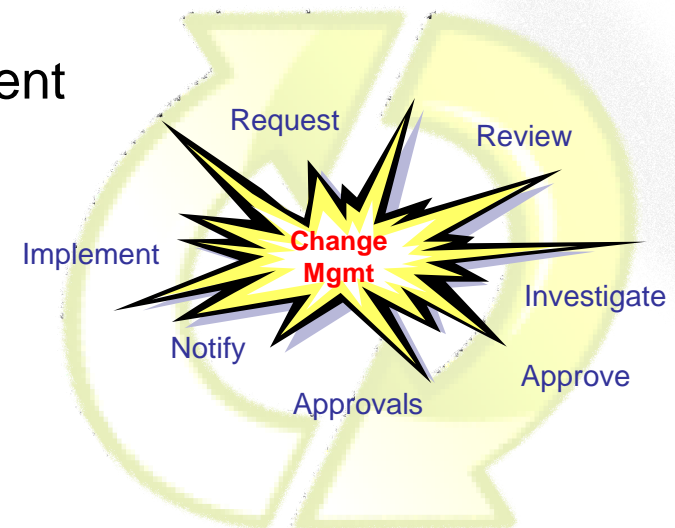
What is PLM ?

- Product Data Management
 - Centralized product data attribution
 - Operational
 - User defined
 - Product configuration/structures (i.e. BOMs)
 - Use of metadata and hierarchical structures
 - Role based security



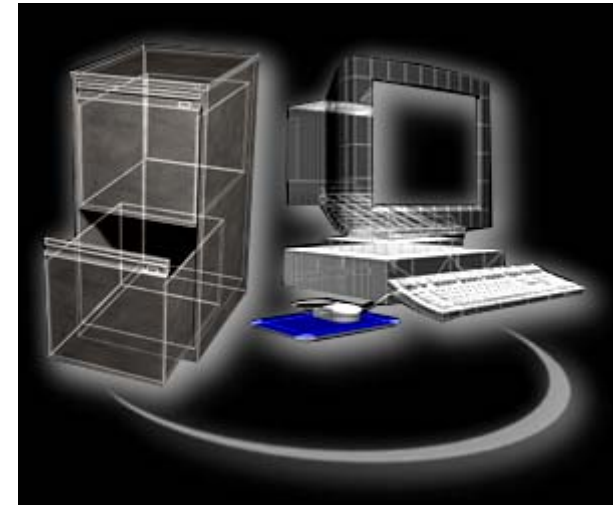
What is PLM ?

- Change Management
 - Change Process: request, review, investigate, approve, notify, implement
 - E.G. Suggestion Box, Incident Reporting, Process Improvement, Document Review, Eng Change Request, Eng Change Order
 - Workflow driven
 - Impact assessment
 - Change propagation across enterprise
 - Audit Trail



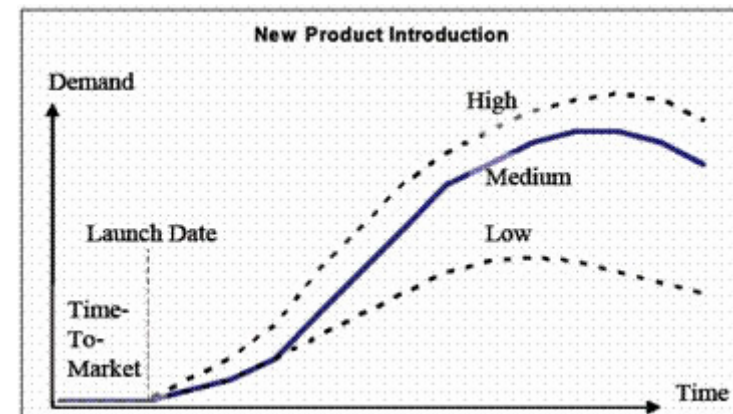
What is PLM ?

- Document Management
 - Product data attribution & integration
 - E.G. Prints, drawings, & item numbers
 - Intelligent search
 - Workflow lifecycles
 - Read/write/approve security
 - Check in/check out & version control



What is PLM ?

- New Product Introduction (NPI)
 - Item lifecycle management
 - Lifecycle phase gate review
 - Item attribution (in stages)
 - Operational readiness
 - Sales configuration management (i.e. Configurator)



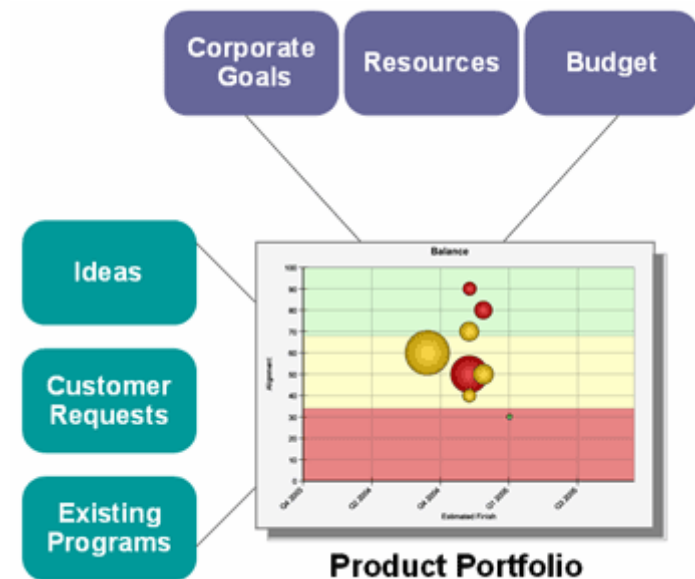
What is PLM ?

- Collaboration
 - Role based security
 - Web conferencing
 - Customer & supplier participation (E-ERP)
 - CAD visualization & markup



What is PLM ?

- Product Portfolio Management
 - Product platforms, product families, product lines
 - Product duplication
 - Product rationalization
 - KPI's:
 - Rate of Innovation
 - Pace of NPI
 - NPI Costs by lifecycle phase
 - ECO costs



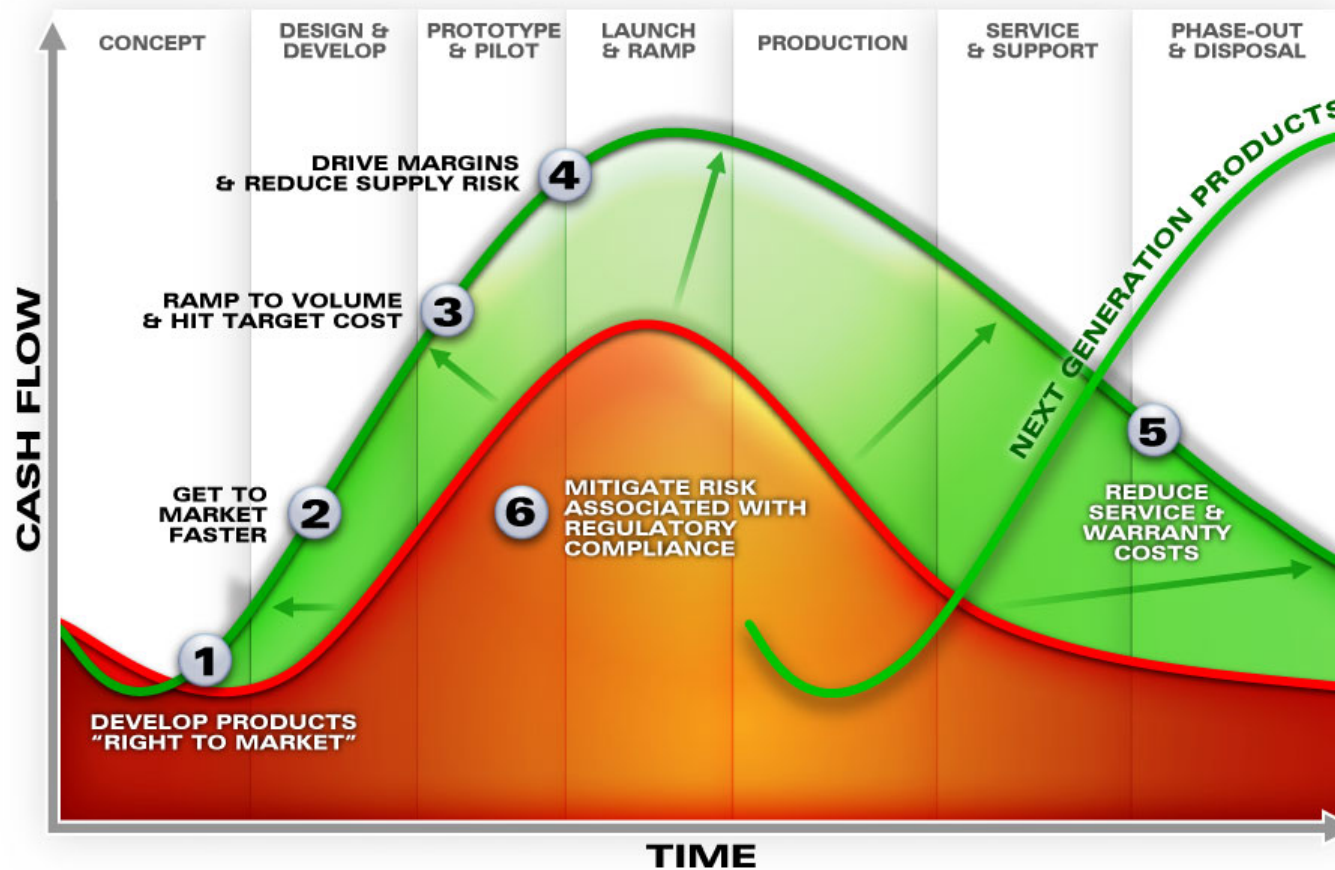
What is PLM ?

- An implementer's observations:
 1. Somewhere between God and world peace
 2. It's as much about white paper analysis as it is about software
 3. If you're good at business intelligence or like to work with data, you will be good working within a PLM paradigm
 4. Process folks find PLM to be nebulous

Oracle PLM – 11i/R12

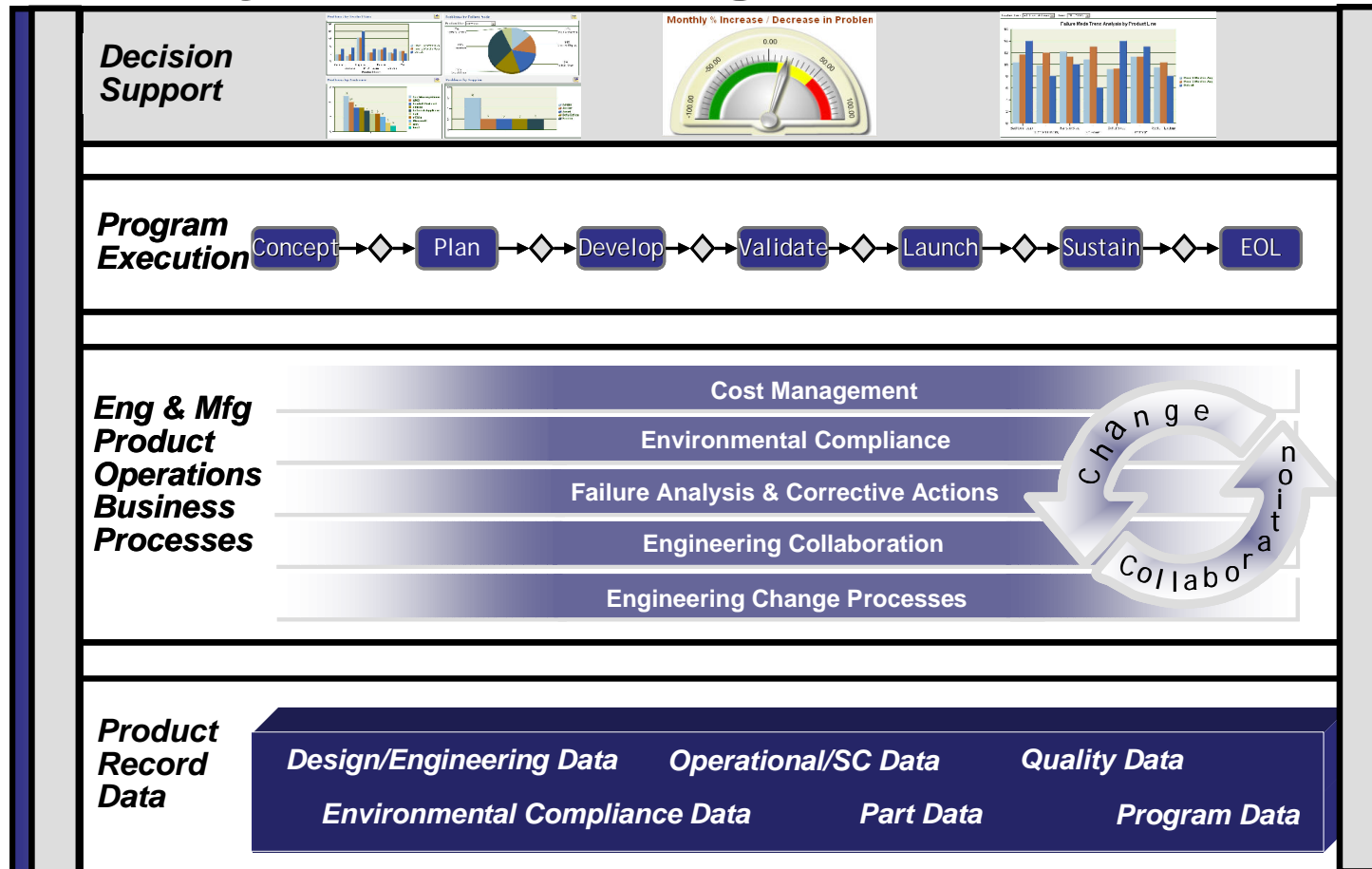
- Product Lifecycle Management
 - Advanced Product Catalog
 - Change Management
- CADView – 3D
- Product Information Management Hub
- Product Information Data Library
- Product Data Synchronization
 - GDSN
 - UCCnet
- http://www.oracle.com/applications/plm/plm_collateral.html

Lifecycle Management*



* Acknowledgement, Sarvesh Jagannivas, VP, Oracle PLM Marketing

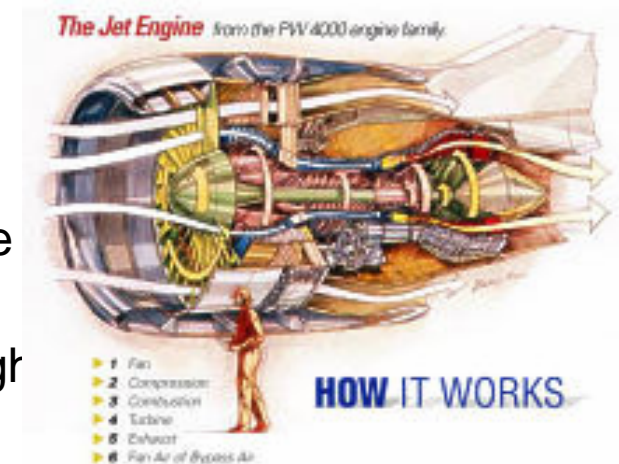
Lifecycle Management*



* Acknowledgement, Sarvesh Jagannivas, VP, Oracle PLM Marketing

Business Case – Classical Eng

- Aerospace & Defense Contractor:
 - Heavily engineered products and systems
 - Formal engineering processes with emphasis on CAD, CAM, & engineering analysis
 - Specifications, methods, processes require document version control & approval
 - Dynamic change order environment through all lifecycle events
 - Long-term product support through multiple maintenance and field retrofit cycles

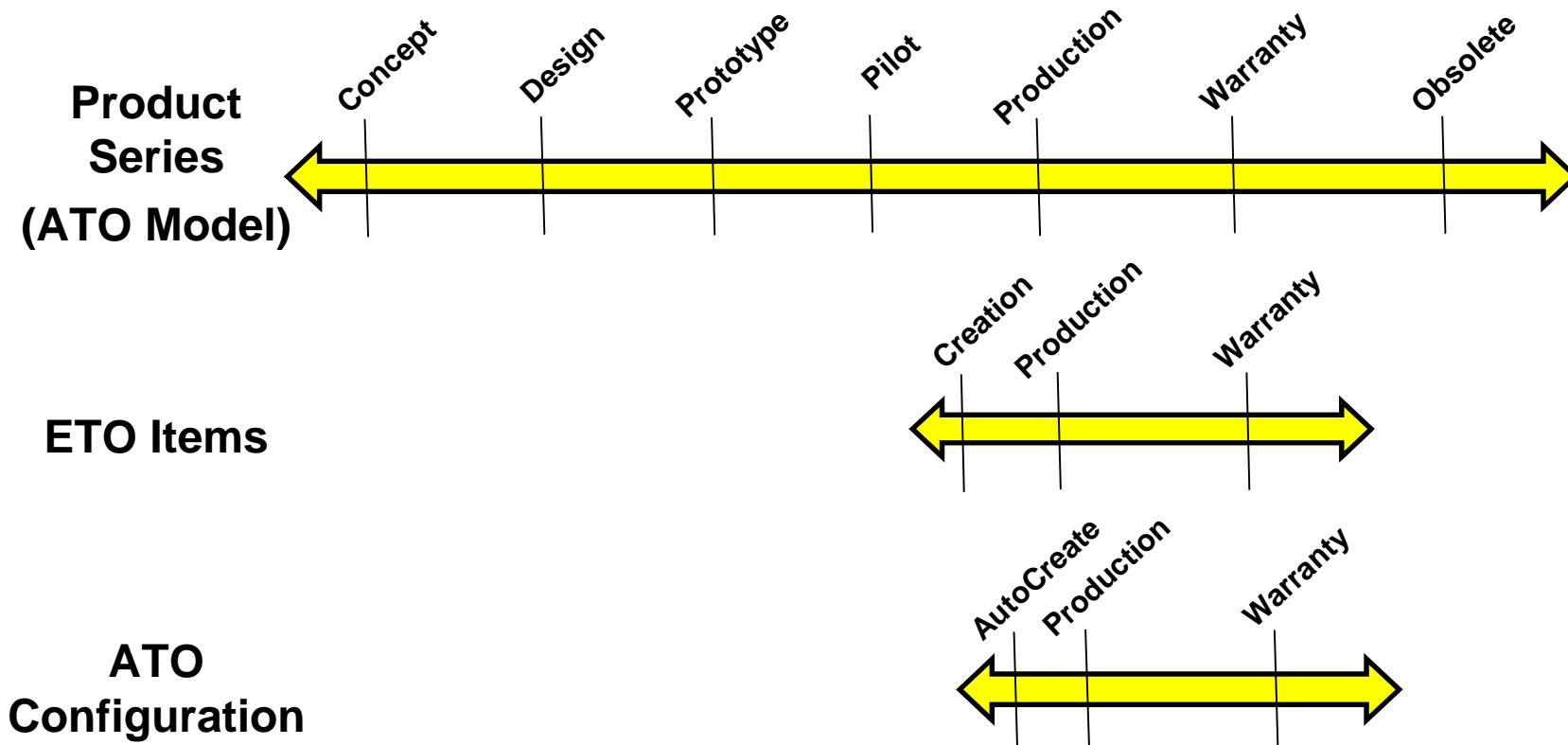


Business Case – Configuration

- Furniture Manufacturer:
 - Concept and design centered on product suites
 - Highly configurable products with emphasis on “have it your way”
 - Informal engineering processes with emphasis on graphical
 - Light documentation requirements
 - Heavy engineer-to-order environment
 - Warranty tracking



Business Case - Configuration



Business Case - Catalogs

- Industrial Distributor
 - Product classification by category
 - Light engineering with focus on revisions
 - Cross referencing to industry standards
 - Part numbers
 - Specifications
 - Documentation management
 - Heavy item attribution
 - Warranty requirements



Business Case - Additional

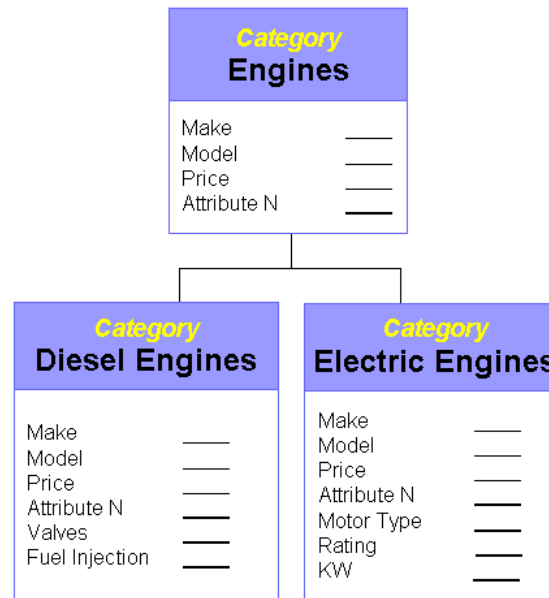
- Oracle White Papers
 - Product Lifecycle Management in the Food & Beverage Industry, Feb 2008
 - Product Lifecycle Management in the Medical Device Industry, Jan 2008
 - Product Lifecycle Management in the Pharmaceutical Industry, Feb 2008

Product Attribution

- Group product families into logical classifications
- Determine the user defined attributes for the product families
 - Mechanical Specifications
 - Electrical Properties
 - Physical Characteristics
- Identify common attribute information and attribute information specific to different audiences
- Sub-divide the classifications into sub-groups and assign attributes accordingly

Product Attribution

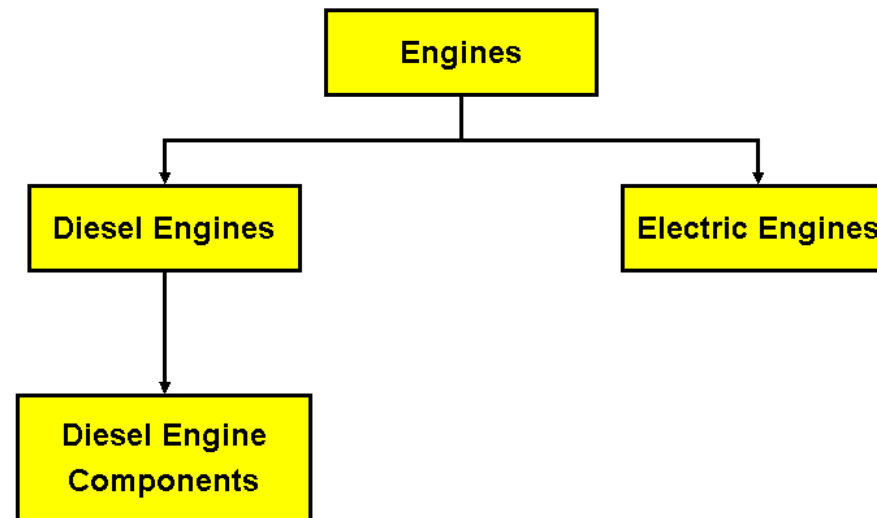
Item Catalog



ORACLE

Product Attribution

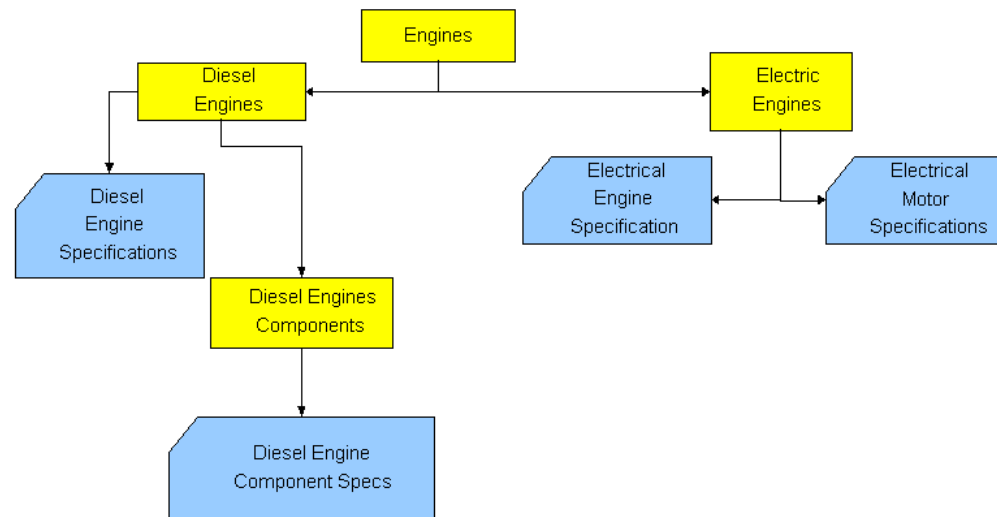
Item Classification and Hierarchy



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Product Attribution

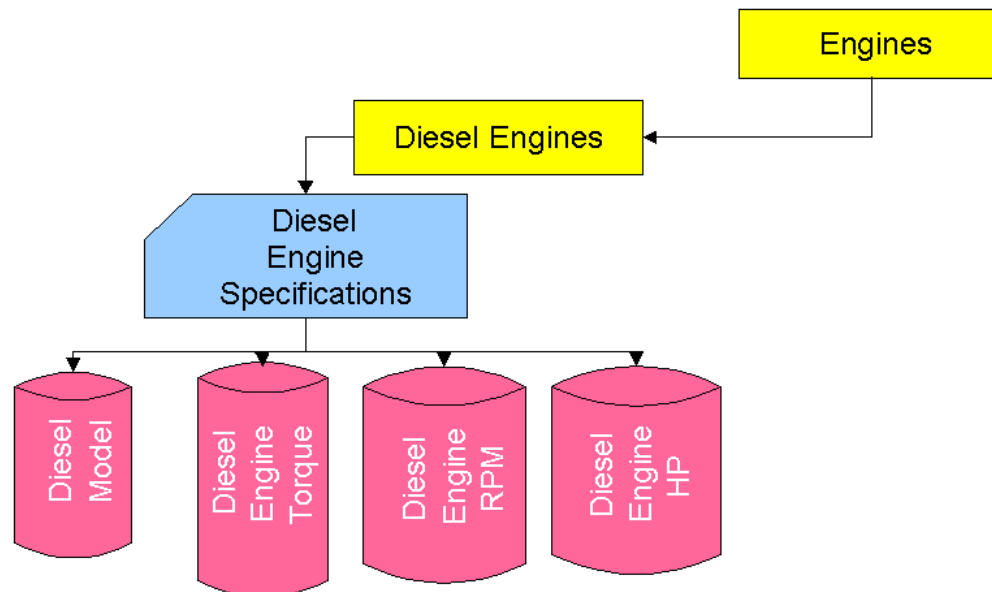
Item Classification with Unique Requirements



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Product Attribution

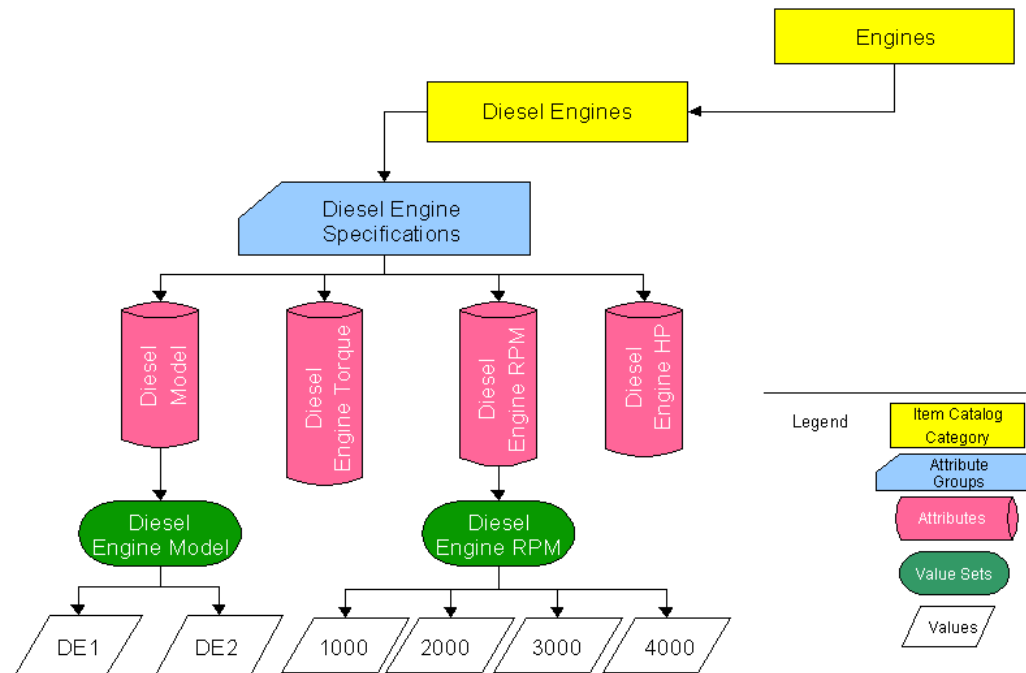
Item Classifications



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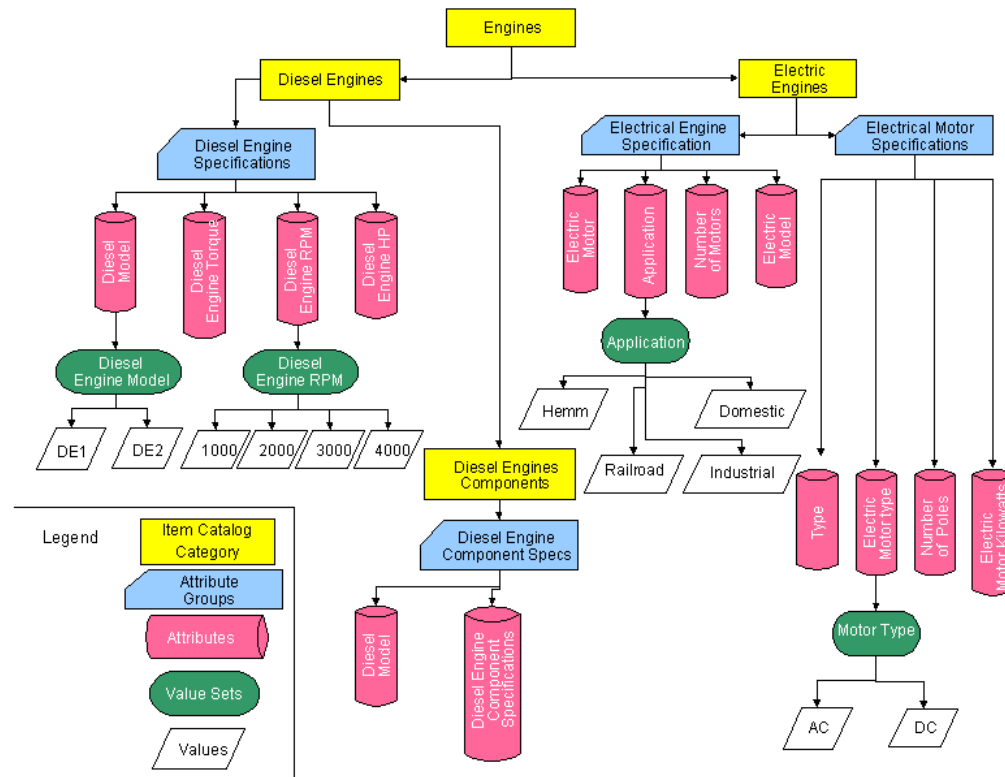
Product Attribution

Item Classifications



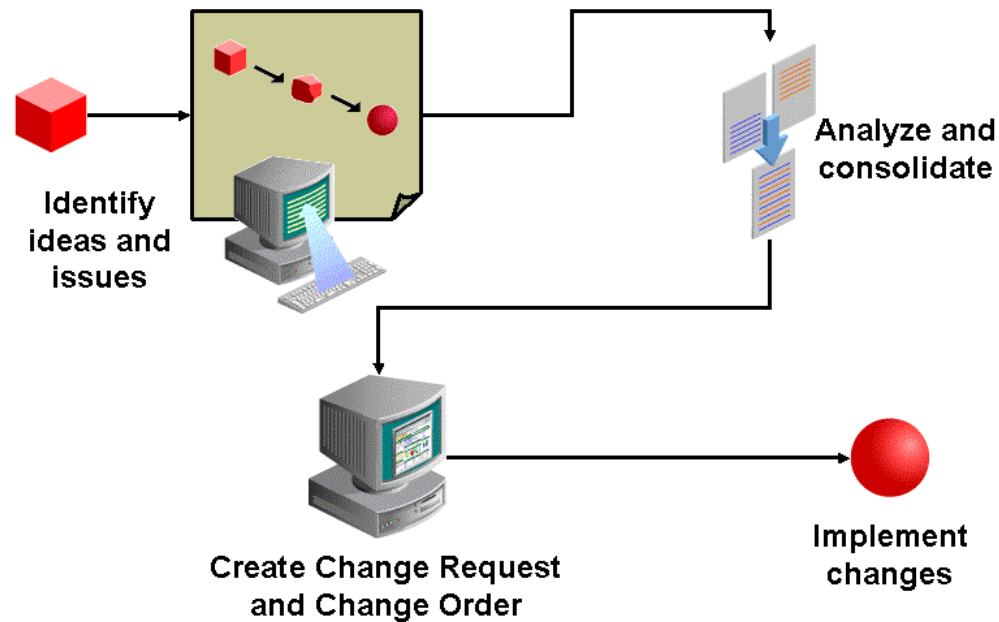
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Product Attribution



Lifecycle Phases

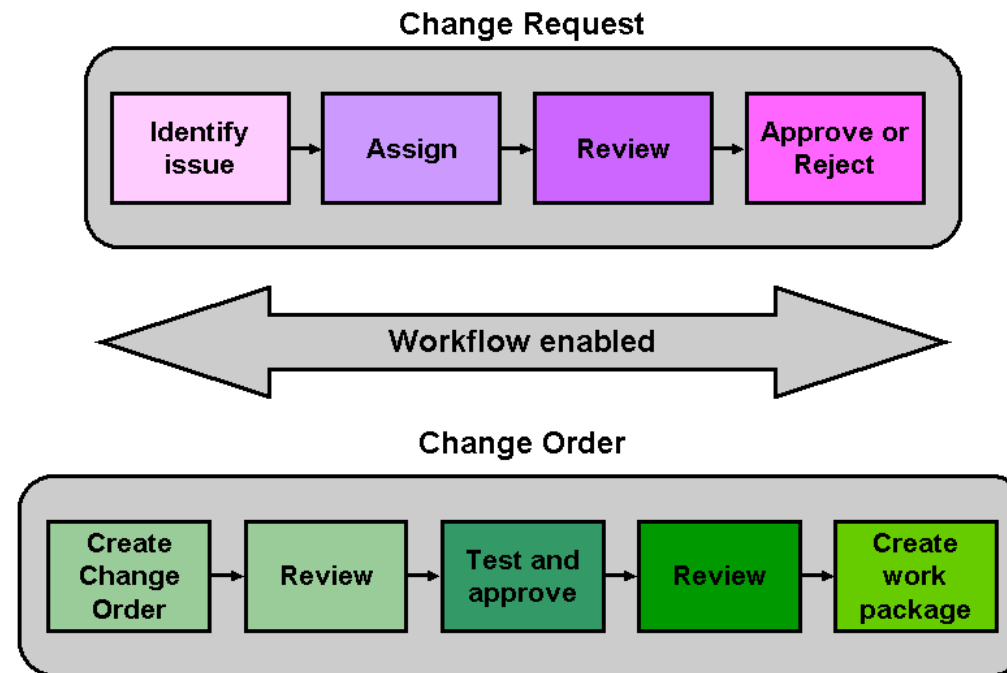
Standard Change Management Cycle



ORACLE

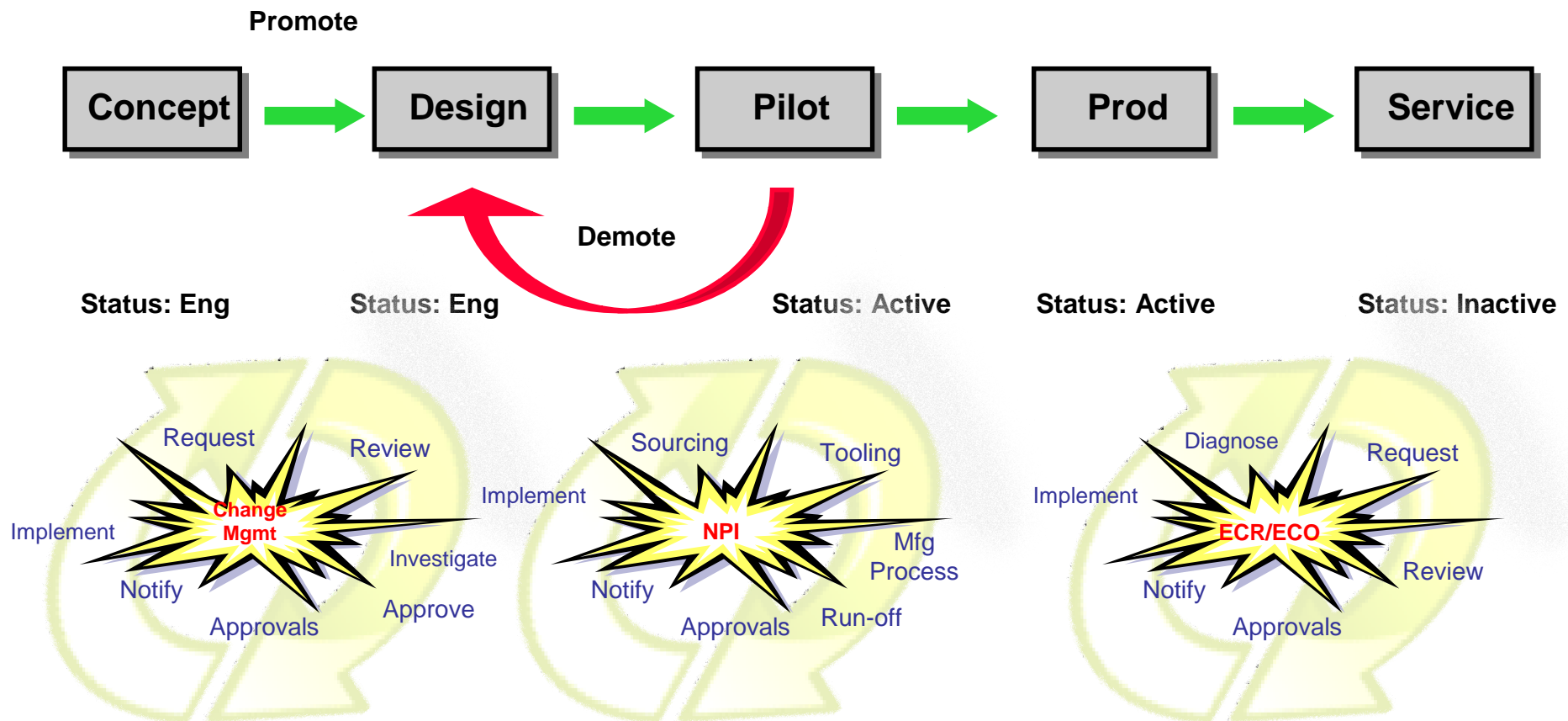
Lifecycle Phases

Change Management and Workflow



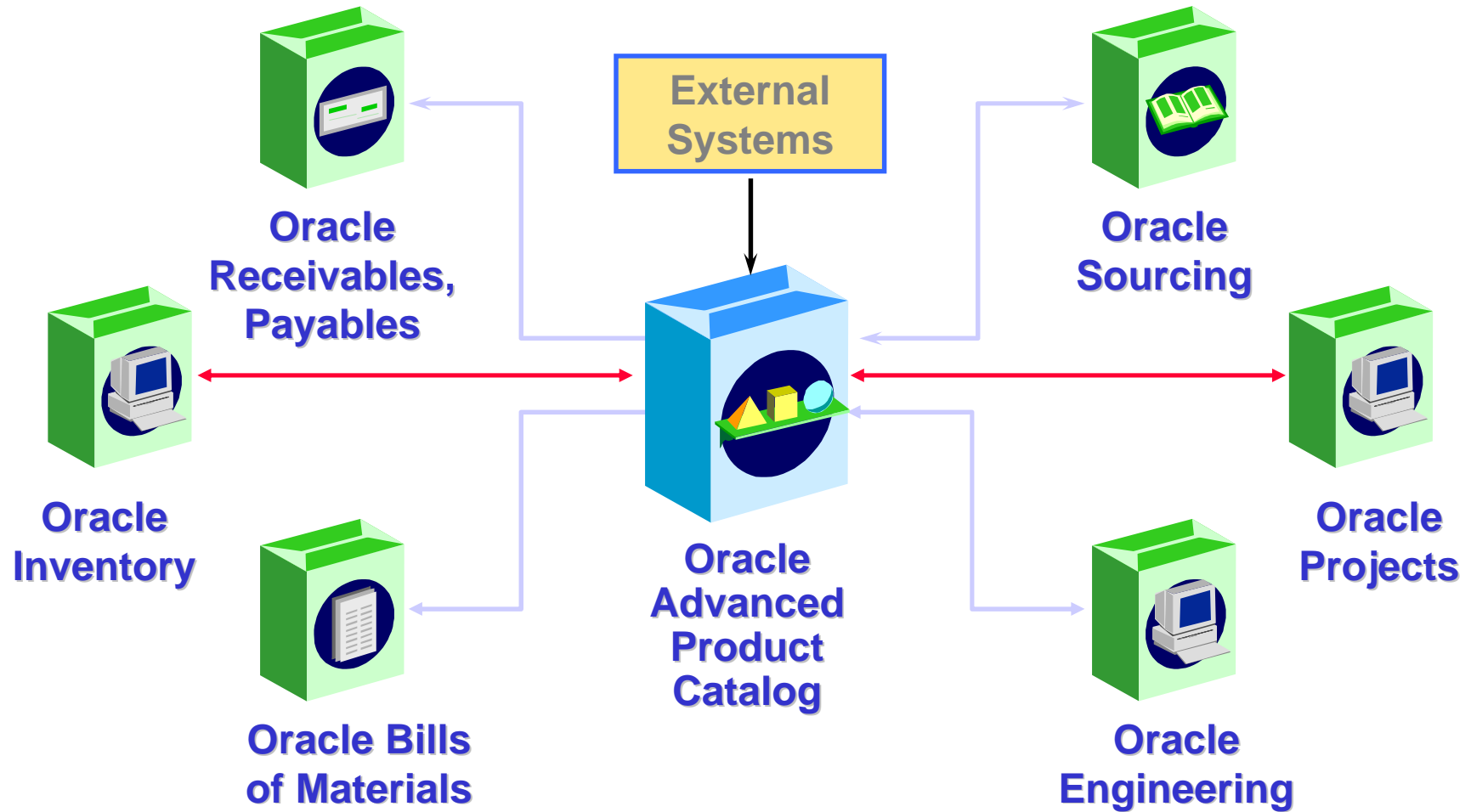
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Lifecycle Phases



Advanced Product Catalog

APC - Integration



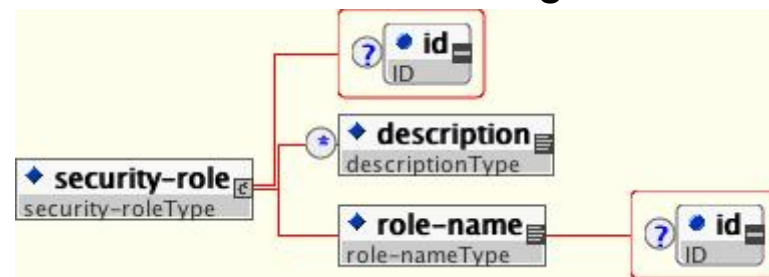
APC - Security

- Privilege
 - Controls view and edit permissions for a specific database object
 - Oracle is pre-seeded with View Item and Edit Item privileges
 - User defined privileges are created to control access to items, attribute groups, etc.
- Roles
 - A collection of privileges granted to a user on a specific object, such as an item
 - Control which system users can view and edit information
 - Role based security is assigned to each user for use on an item, catalog, catalog category, and change cat



APC - Security

- Item Roles
 - The item role assigned to a user determines which actions (by the person) can be performed on an item
 - E.G. Design Engineer role can view and edit items
 - Answers question “Who can manage items . . .”
 - Item roles can be assigned to individual people, groups, company, or all users
 - Item roles can be assigned at the item, item catalog category, or organization level
 - Direct role assignment – role is explicitly granted to a user for an item
 - Inherited role assignment – role is inherited from a item catalog category or organization

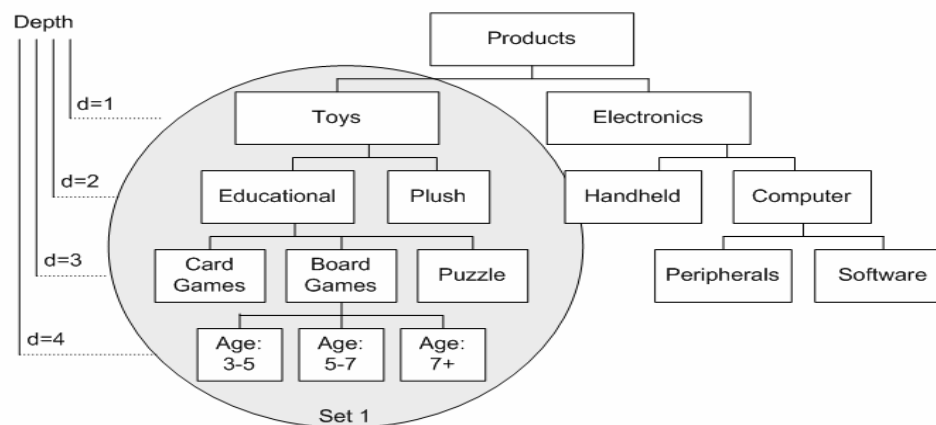


APC - Security

	Item	Item Cat Category	Org
People	<ul style="list-style-type: none"> •Most Secure •Most Maint. •Ind Items 	<ul style="list-style-type: none"> •Less Secure •Less Maint. •Set of Items 	<ul style="list-style-type: none"> •Least Secure •Less Maint •All items •Admin Only
Group	<ul style="list-style-type: none"> •Most Secure •Less Maint. •Ind Items 	<ul style="list-style-type: none"> •Less Secure •Less Maint. •Set of Items 	<ul style="list-style-type: none"> •Least Secure •Less Maint •All items •~ EBS Resp
Company	<ul style="list-style-type: none"> •Not realistic 	<ul style="list-style-type: none"> •Less Secure •Less Maint. •Set of Items 	<ul style="list-style-type: none"> •Least Secure •Least Maint. •All items
All Users	<ul style="list-style-type: none"> •Not realistic 	<ul style="list-style-type: none"> •Less Secure •Less Maint. •Set of Items 	<ul style="list-style-type: none"> •Least Secure •Lease Maint. •All items •~ many Oracle sites

APC - Item Catalog Category (ICC)

- The item catalog consists of an organization's items. An item catalog category provides a hierarchical taxonomy for user defined information
 - Hierarchical – a structure with parent/child relationships
 - Taxonomy – a system of classification
- Item catalog categories allow a process of classifying user defined information in an organized structure
 - User defined attributes, item attachments, images, URLs
 - Traditionally, user information stored in flex fields. Now, stored as user defined attributes



APC - ICC

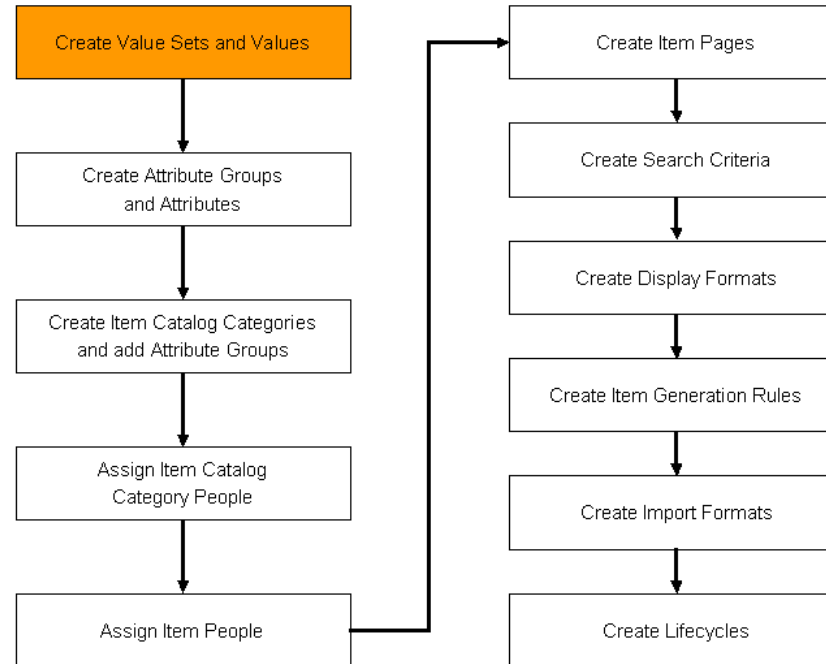
- System behavior can be associated with these categories and, subsequently, to items:
 - User defined attribute validation
 - User defined attribute functions
 - Security roles and privileges
 - User defined inquiries
 - User defined reporting formats
 - Item lifecycles, phases, and status
- System behavior can be inherited by establishing parent/child relationships

APC - Terminology

Inventory	APC
Item Attributes	Operational Attributes
Descriptive Flex Fields	~User Defined Attributes
Category Set	Catalog
Item Category	Catalog Category Catalog Sub-Category
Item Master	Item Catalog
Item Catalog Group	Item Catalog Categories
Catalog Group Descriptive Elements	Item Catalog Attributes

APC - Method

Creating Item Catalog Categories



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APC – ICC

- Create the Item Catalog Categories – Parent

The screenshot shows the Oracle APC Administration web interface. At the top, there are navigation tabs: Home, Logout, Preferences, Help, Preferences, Personalize Region, Items, Structures, Change Management, Security, Functions, Catalogs, and Value Sets. Below these are sub-tabs: Item Catalog Categories, Lifecycle Phases, and Attributes. The main content area is titled "Create/Edit Item Catalog Category" and includes a breadcrumb "Items : Item Catalog Categories > Create/Edit Item Catalog Category". There are several tips and instructions, such as "Indicates required field" and "TIP When you change the Inactive Date, the change will be enforced on all the children of this item catalog category." The "Item Catalog Category" section shows a "Catalog" dropdown menu with "Supplier Information" selected. The "Item Catalog Category Details" section includes fields for "Description" (Supplier Information), "Default Template", "Parent Item Catalog Category", "Item Creation Allowed" (checkbox), and "Inactive On" (calendar icon). At the bottom right, there are "Cancel" and "Apply" buttons.

APC - ICC

- Create the Item Catalog Categories – Child

The screenshot shows the Oracle APC Administration interface for creating a new Item Catalog Category. The breadcrumb trail is: [Items](#) > [Item Catalog Categories](#) > [Create/Edit Item Catalog Category](#). The page title is "Create Item Catalog Category".

Navigation tabs include: Home, Logout, Preferences, Help, Personalize Region, Items, Structures, Change Management, Security, Functions, Catalogs, and Value Sets. Sub-tabs for the current page are: Item Catalog Categories, Lifecycle Phases, and Attributes.

Instructions and tips:

- * Indicates required field
- ✓ TIP When you change the Inactive Date, the change will be enforced on all the children of this item catalog category.
- ✓ TIP The Inactive Date must be a date in the future.

Item Catalog Category
Personalize: [Region](#)

* Catalog:

Item Catalog Category Details
Personalize: [EgoCreateCatalogGroupForm](#)

Description: Parent Item Catalog Category:

Default Template:

Item Creation Allowed

Inactive On:

Personalize: [EGOTYPECANCELDONETABLELAYOUT](#) [EGOTYPECANCELDONEFLOWLAYOUTNR](#)

APC – ICC

- Assign roles for Item Catalog Categories
 - The Catalog Category User role

The screenshot shows the Oracle APC Administration interface. The main navigation bar includes 'Items', 'Structures', 'Change Management', 'Security', 'Functions', 'Catalogs', and 'Value Sets'. The left sidebar lists various configuration options like 'Basic Information', 'People', 'Attribute Groups', etc. The main content area is titled 'People' and shows the configuration for the 'Catalog Category User' role. It includes a table with columns for 'Select', 'Role', 'Type', 'Name', 'Company', 'Start Date', and 'End Date'. A single user is listed: 'Catalog Category User' (Person) with name 'Robert Pierson' and company 'Vision Enterprise', starting on '02-May-2004'. There are 'Update' and 'Delete' buttons at the bottom right of the table area.

Items : [Item Catalog Categories](#) > [Basic Information](#) > People

People

[Personalize Region](#)
Item Catalog Category:RGP_Supplier_Information
[Personalize Region](#)

Item Catalog Category People

[Personalize EGOROLEGRANTSREGION](#)
 TIP These roles apply at the Item Catalog Category level (for example, users with these roles can create an item in this Item Catalog Category).
[Personalize EGOROLEGRANTSEDITBUTTONRG](#)

Update

Select Users and... **Delete**

Select All | Select None

Select	Role	Type	Name	Company	Start Date	End Date
<input type="checkbox"/>	Catalog Category User	Person	Robert Pierson	Vision Enterprise	02-May-2004	

[Personalize EGOROLEGRANTSTABLE](#)

[Personalize Region](#)

APC - ICC

- Assign roles for Item Catalog Categories
 - The Design Engineer & Item Author roles

People

[Attribute Groups](#)

[Item Pages](#)

[Lifecyclees](#)

[Attachment Categories](#)

[Criteria Templates](#)

[Results Formats](#)

[Import Formats](#)

People

[Personalize Region](#)
Item Catalog Category: RGP_Supplier_Information
[Personalize Region](#)

Item Catalog Category People

[Personalize E@DROLE@GRANTS@REGION](#)
 TIP These roles apply at the Item Catalog Category level (for example, users with these roles can create an item in this Item Catalog Category).
[Personalize E@DROLE@GRANTS@EDIT@BUTTON@RG](#) **Update**

Select Users and... **Delete**

[Select All](#) | [Select None](#)

Select Role	Type	Name	Company	Start Date	End Date
<input type="checkbox"/> Catalog Category User	Person	Robert Pierson	Vision Enterprise	02-May-2004	

[Personalize E@DROLE@GRANT@STABLE](#)

[Personalize Region](#)

Item People

[Personalize Region](#)
 TIP The following are default User role assignments for all items in this Item Catalog Category in the selected organization.

Organization: **Go**

[Personalize E@DROLE@GRANTS@REGION](#)
[Personalize E@DROLE@GRANTS@EDIT@BUTTON@RG](#) **Update**

Select Users and... **Delete**

[Select All](#) | [Select None](#)

Select Role	Type	Name	Company	Start Date	End Date
<input type="checkbox"/> Design Engineer	Person	Robert Pierson	Vision Enterprise	02-May-2004	
<input type="checkbox"/> Item Author	Person	Robert Pierson	Vision Enterprise	02-May-2004	

[Personalize E@DROLE@GRANT@STABLE](#)

APC - Attribute Groups

- Catalog Items
 - Operational attributes – control system behavior in eBusiness Suite
 - User defined attributes – provide more information, such as characteristics and specifications
- Attributes are defined by their names and values, and are saved within the same attribute group
- Attribute groups are associated with item catalog categories
 - All items within an item catalog category have the same attributes

APC - ICC

- Assign attribute groups to Item Catalog Categories

ORACLE APC Administration Home Logout Preferences Help Preferences Personalize Region

Items Structures Change Management Security Functions Catalogs Value Sets

Item Catalog Categories Lifecycle Phases Attributes

Items : Item Catalog Categories > Basic Information > People > Attribute Groups > Edit Associations

Add Attribute Groups to Catalog Categories

[Personalize_EgoEditAssociationDs1](#)
[Personalize_EgoEditAssociationMainHeader](#)

Search

[Personalize_EgoEditAssociationSearch](#)
To find your Attribute Group, select a filter in the poplist and enter a word in the text field, then click "Go". To see a list of all the Attribute Groups, clear the search box and click "Go".

Search Display Name

Results

[Personalize_EgoEditAssociationResults](#)

Select All | Select None

Select	Display Name	Internal Name	Description	Data Level
<input type="checkbox"/>	Supplier Product Data	Supp_Prod_Data	Supplier Product Data	Item
<input type="checkbox"/>	GRIP	GRIP	Wheelbarrow Grip Attributes	Item
<input type="checkbox"/>	Images	ItemDetailImage	A special Attribute Group for the Item Detail page	Item
<input type="checkbox"/>	BIN	BIN	Wheelbarrow Bin Attributes	Item
<input type="checkbox"/>	RGP Hardware Group	RGPHardware	RGP test hardware group	Item
<input type="checkbox"/>	WHEELS	WHEELS	Wheelbarrow Wheels Attributes	Item
<input type="checkbox"/>	HANDLES	HANDLES	Wheelbarrow Handle Attributes	Item
<input type="checkbox"/>	Detailed Description	ItemDetailDesc	A special Attribute Group for the Item Detail page	Item
<input type="checkbox"/>	WB	WB	Wheelbarrow Attributes	Item
<input type="checkbox"/>	Supplier Attributes	Supp_Prod_Attr	Supplier Product number	Item

[Personalize_EgoEditAssociationResultsTable](#)

APC - ICC

- Assign attribute groups to Item Catalog Categories

The screenshot shows the Oracle APC Administration interface. The top navigation bar includes links for Home, Logout, Preferences, Help, Personalize Region, and Value Sets. The main navigation menu on the left lists various administration options, with 'Attribute Groups' currently selected. The breadcrumb trail indicates the path: Items > Item Catalog Categories > Basic Information > People > Attribute Groups. The main content area is titled 'Attribute Groups' and lists several personalization options: Personalize Region, Personalize EgoAssociationListDsl, Personalize EgoAssociationListPgINested, Personalize EgoAssociationListHeader, and Personalize EgoAssociationAddButton. A table below these options allows for selecting attribute groups, with a 'Delete' button and 'Select All'/'Select None' options. The table contains one entry for 'Supplier Information' with a data level of 'Item' and a classification of 'R&P_Supplier_Information'. A 'Personalize EgoAssociationResultsTable' link is also visible at the bottom of the table area.

ORACLE APC Administration

Home Logout Preferences Help Preferences Personalize Region

Items Structures Change Management Security Functions Catalogs Value Sets

Item Catalog Categories Lifecycle Phases Attributes

Items : Item Catalog Categories > Basic Information > People > Attribute Groups

Attribute Groups

[Personalize Region](#)
[Personalize Region](#)
 Item Catalog Category:R&P_Supplier_Information

[Personalize EgoAssociationListDsl](#)
[Personalize EgoAssociationListPgINested](#)
[Personalize EgoAssociationListHeader](#)
[Personalize EgoAssociationAddButton](#)

[Add Attribute Groups](#)

Select Attribute Groups and... Delete

Select All | Select None

Select	Display Name	Description	Data Level	Classification	Pages	Update Actions
<input type="checkbox"/>	Supplier Informataion	Supplier Information	Item	R&P_Supplier_Information	Supplier Information	

[Personalize EgoAssociationResultsTable](#)

APC - ICC

- Item Catalog with user defined item pages

The screenshot displays the Oracle Item Catalog interface for item RGP_G_123. The left-hand navigation menu is expanded to show 'Attributes', with 'Physical Attributes' highlighted by a red box. The main content area shows the 'Item Detail' section, including a search bar with 'Change Request' selected, a 'Go' button, and an 'Advanced Search' link. Below the search bar are several 'Personalize Region' links. The 'Detailed Description' section is visible, showing a scrollable description: 'Item Long Description Another prototype scroll display that is very small and flexible'. An 'Update' button is located at the bottom right of the description area. The right-hand side of the interface features a 'Shortcuts' panel with links for 'Favorite Items', 'Browse Item Catalog', 'Create Item', and 'Community'. The top navigation bar includes tabs for 'Summary', 'Lifecycle', 'Change Management', and 'Configuration', along with utility links like 'Home', 'Logout', and 'Preferences'.

APC - Item Imports

- APC provides the following import capabilities from Excel
 - Items Creation & Update
 - Item Revisions
 - Item Categories
- Web ADI is required

APC - Import Format

ORACLE APC Administration [Items](#) [Structures](#) [Change Management](#) [Security](#) [Functions](#) [Catalogs](#) [Value Sets](#) [Home](#) [Logout](#) [Preferences](#) [Help](#) [Preferences](#) [Personalize Region](#)

[Item Catalog Categories](#) [Lifecycle Phases](#) [Attributes](#)

Items : [Item Catalog Categories](#) > [Basic Information](#) > Import Formats

Import Formats

[Personalize Region](#)
[Personalize Region](#)
Item Catalog Category: **Monitor**

[Personalize Region](#)
[Personalize Region](#)

[Create](#)

Select Import Format(s) and... [Delete](#)

Select All | [Select None](#)

Select	Name	Description	Item Catalog Category	Default	Data Level	Copy
<input type="checkbox"/>	Copy of RGP Test Item Import	RGP Test Import	Monitor	No	Item	
<input type="checkbox"/>	RGP Test Item Import	RGP Test Import	Monitor	Yes	Item	
<input type="checkbox"/>	RGP Test Item Rev	RGP Test Item Revision	Monitor	No	Item Revision	

[Personalize Region](#)

APC - Import Format



Items : Item Catalog Categories > Basic Information > Import Format > Edit Import Format

Edit Import Format

Personalize Region
Personalize Region
Indicates required field
Personalize: EgoBillResultFormatInbAttributesTL

Personalize: EgoBillResultFormatInbAttributesTL

Item Catalog Category: Monitor

Name: ROP Test Item Import

Description: ROP Test Import

Set as Default

Import Item

Personalize Region

View Columns

Personalize: EgoResultFormatViewColumnsDBL
Personalize Region

Rename Columns

Personalize: EgoResultFormatViewColumnsTL

Available Columns

Attribute Group: Primary Go

Attribute Name: Find

> Move

>> Move All

<< Remove

< Remove All

Columns Displayed (in Order)

Primary:Item

Primary:Lifecycle Phase

Primary:Lifecycle Phase

Primary>User Item Type

Primary:Item Status

Primary:Primary Unit of Measure

Primary:Description

Primary:Long Description

Bills of Material:BOM Item Type

Bills of Material:Engineering Item

Cancel Apply

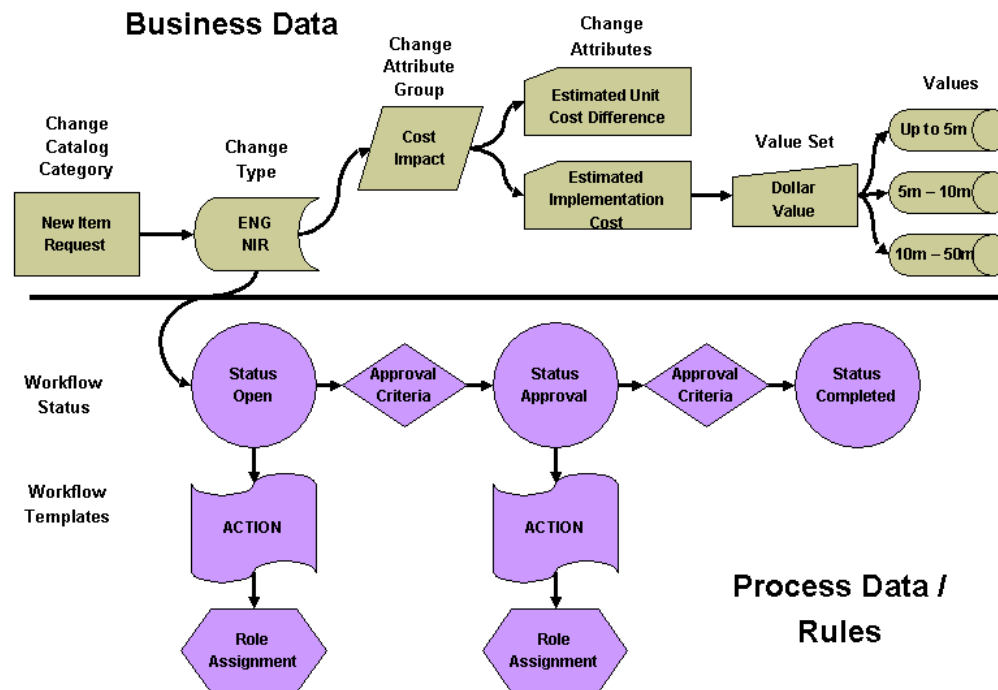
APC - Item Imports

- Interface Tables
 - Item & Operational Attributes - MTL_SYSTEM_ITEMS_INTERFACE
 - User Defined Attributes - EGO_ITM_USR_ATTR_INTRFC
 - Item People – EGO_ITEM_PEOPLE_INT

Change Management

Change Mgmt - Workflow

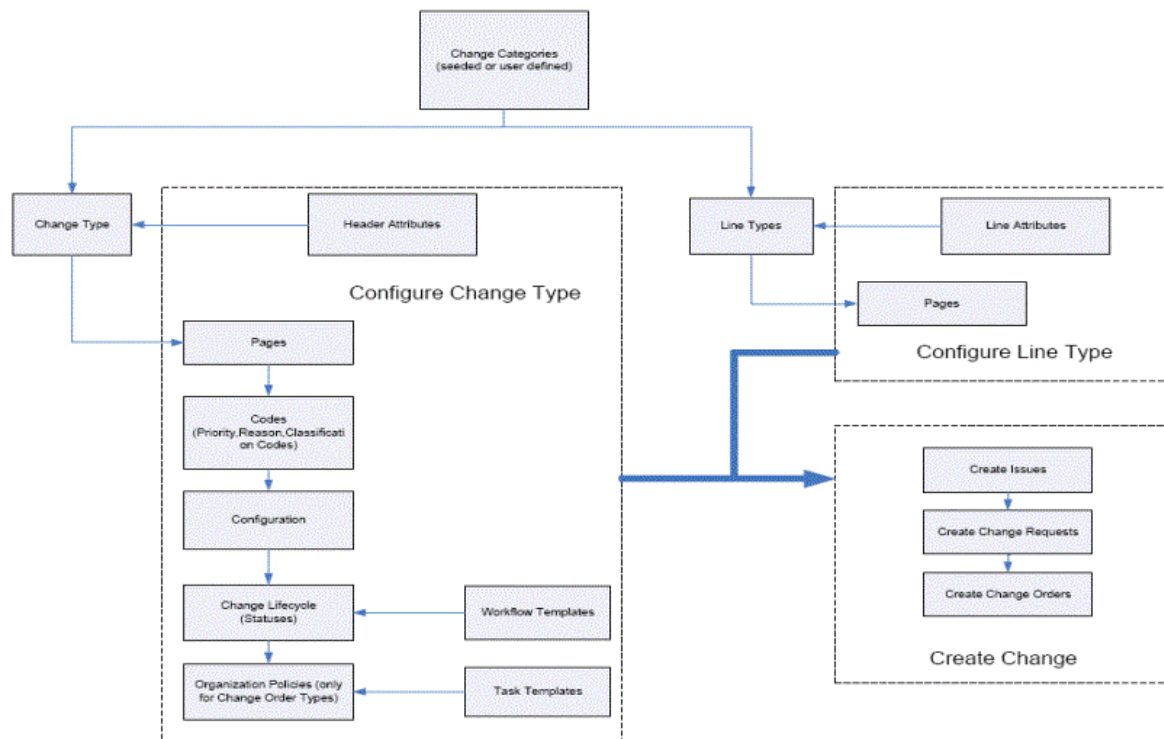
Oracle Solution



ORACLE

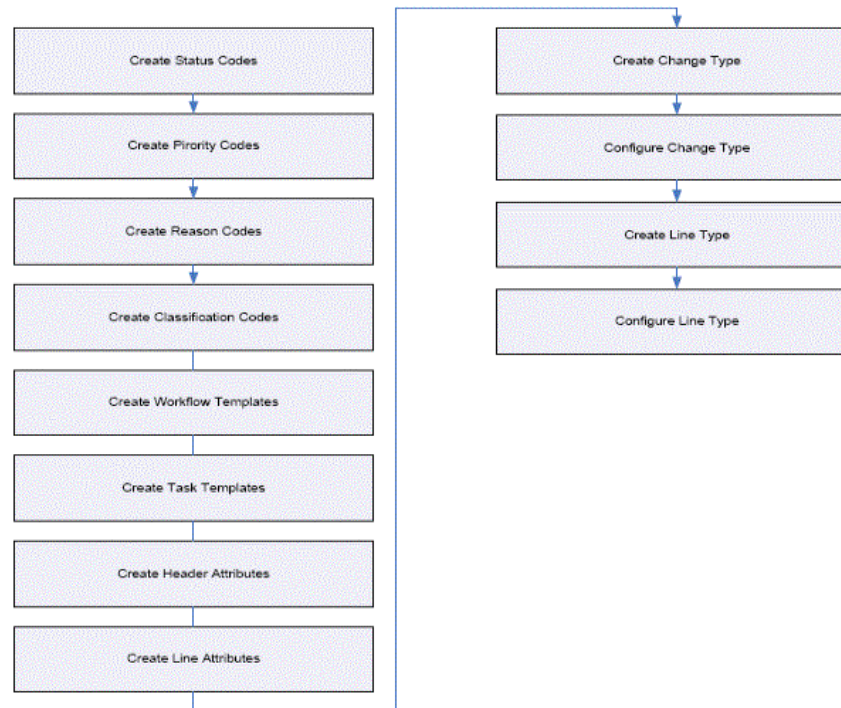
Change Mgmt - Method

Change Management Setup Overview



Change Mgmt - Method

Change Management Setup Overview (continued)



Change Mgmt – Categories

- Create or use seeded Change Categories

ORACLE Item Catalog Administration

Items Structures **Change Management** Security Functions

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Categories

Select Category: Duplicate Update

Select	Name	Description	Created By	Start Date	End Date	Search Criteria
<input checked="" type="radio"/>	Change Order	Change Order	SYSADMIN SYSADMIN	27-Oct-2004	31-Dec-2012	
<input type="radio"/>	New Item Request	New Item Request	SYSADMIN SYSADMIN	27-Oct-2004	31-Dec-2012	
<input type="radio"/>	Change Request	Change Request	SYSADMIN SYSADMIN	27-Oct-2004		
<input type="radio"/>	Issue	Issue	SYSADMIN SYSADMIN	27-Oct-2004		
<input type="radio"/>	Idea	Idea	SYSADMIN SYSADMIN	27-Oct-2004		

Category: Change Order

Basic Information Types Line Types Reports

Select Header Type: Duplicate Update Create

Select	Name	Description	Subject Type	Created By	Start Date
<input type="radio"/>	Document	Documentation Only Change	Item Revision	Jonathan Smith	
<input type="radio"/>	ECO	Engineering Change Order	Item Revision	Steve Williams	31-Jul-2003
<input type="radio"/>	MCO	Manufacturing Change Order	Item Revision	Steve Williams	31-Jul-2003
<input type="radio"/>	New Prod	New Product	Item Revision	Jonathan Smith	
<input type="radio"/>	Prod Chg	Product Change	Item Revision	Jonathan Smith	

Change Mgmt – Category Types

- Create Change Category Types

ORACLE Item Catalog Administration

Items Structures **Change Management** Security

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Basic Information

Attribute Groups
Pages
Codes
Configuration
Workflow
Organization Policies

Basic Information

Change Category	Change Order	Type	Prod Chg
Name	Prod Chg		
Description	Product Change		
Start Date			
End Date			

Auto Numbering

Number Generation	User Entered

Subject Selection Criteria

Subject: Item Revision

Item Selection Criteria

Attribute	Value	Allowed
No data exists.		

Default Assigned To

Change Mgmt – Attributes

- Create Header Attribute Groups

ORACLE Item Catalog Administration

Items Structures **Change Management** Security

Categories | Statuses | Codes | Workflow | Task Templates | **Header Attributes** | Line Attributes

Search: Attribute Groups

Search
To find your Attribute Group, select a filter in the poplist and enter a word in the text field, then click "Go". To see a list of all the Attribute Groups, clear the search

* Search By

Attribute Groups

Select Object:

[Select All](#) | [Select None](#)

Select	Display Name [△]	Internal Name	Description	Attribute Group Type
<input type="checkbox"/>	Customer Priorities	cust_priorities		Change Management
<input type="checkbox"/>	Implementation Costs	Impl_Costs		Change Management
<input type="checkbox"/>	Industry Priorities	Industry_Priorities		Change Management
<input type="checkbox"/>	NIR Attributes	NIR_ATTRIBUTES	New Item Request Information	Change Management
<input type="checkbox"/>	RGP Piston Defect review	RGP_PISTON_DEFECT_REVIEW	RGP Piston Defect review	Change Management
<input type="checkbox"/>	RGP Piston Defects	RGP_Piston_Def	RGP Piston Defects	Change Management
<input type="checkbox"/>	Unit Costs	Unit_Costs		Change Management

Change Mgmt – Attributes

- Assign Header Attribute Groups to Change Category Type

ORACLE Item Catalog Administration 5

Items Structures **Change Management** Security Functions

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Change Management: Categories >

Change Category Change Order Type Prod Chg

Search

To find your Attribute Group, select a filter in the poplist and enter a word in the text field, then click "Go". To see a list of all the Attribute Groups, clear the search box and click "Go".

Search

Results

[Select All](#) | [Select None](#)

Select	Display Name	Internal Name	Description	Attribute Group Type
<input type="checkbox"/>	Customer Priorities	cust_priorities		Change Management
<input type="checkbox"/>	Implementation Costs	Impl_Costs		Change Management
<input type="checkbox"/>	Industry Priorities	Industry_Priorities		Change Management
<input type="checkbox"/>	NIR Attributes	NIR_ATTRIBUTES	New Item Request Information	Change Management
<input type="checkbox"/>	RGP Piston Defect review	RGP_PISTON_DEFECT_REVIEW	RGP Piston Defect review	Change Management
<input type="checkbox"/>	RGP Piston Defects	RGP_Piston_Def	RGP Piston Defects	Change Management
<input type="checkbox"/>	Unit Costs	Unit_Costs		Change Management

Change Mgmt – Pages

- Create Display Page

ORACLE Item Catalog Administration

Items Structures **Change Management** Security Functions

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Change Management: Categories >

Create Page

Change Category Change Order Type Prod Chg

Basic Information

* Indicates required field

Basic Information

* Display Name * Internal Name

Description * Sequence

* Data Level

Attribute Groups

Select Object:

Select All | Select None

Select	* Sequence	* Display Name	Description
<input type="checkbox"/>	<input type="text" value="10"/>	<input type="text" value="NIR Attributes"/>	
<input type="checkbox"/>	<input type="text" value="20"/>	<input type="text" value="Customer Priorities"/>	

Change Mgmt – Pages

- Create Display Page

The screenshot displays the Oracle Item Catalog Administration web interface. The main navigation bar includes 'Items', 'Structures', 'Change Management' (selected), 'Security', and 'Functions'. A secondary navigation bar lists 'Categories', 'Statuses', 'Codes', 'Workflow', 'Task Templates', 'Header Attributes', and 'Line Attributes'. On the left, a sidebar menu contains 'Basic Information', 'Attribute Groups', 'Pages' (selected), 'Codes', 'Configuration', 'Workflow', and 'Organization Policies'. The main content area is titled 'Pages' and shows a table with columns for 'Change Category', 'Change Order', and 'Type'. The 'Type' column contains 'Prod Chg'. Below the table, there is a 'Select Object:' field with a 'Delete' button, and 'Select All' and 'Select None' options. The table has the following data row:

Select	Sequence	Display Name	Internal Name	Description
<input type="checkbox"/>	10	Prod Chg Page	PROD_CHG_PAGE	Default Product Change Display Page

At the bottom of the page, there are links for 'Items', 'Structures', 'Change Management', 'Security', 'Functions', 'Catalogs', 'Value Sets', 'Close Window', 'Preferences', 'Help', and 'Diagnostics'. A copyright notice at the bottom left reads: 'Copyright 2000-2005 Oracle Corporation. All rights reserved. About this Page'.

Change Mgmt – Codes

- Create Change Reason codes

ORACLE Item Catalog Administration

Items Structures **Change Management** Security

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Basic Information
Attribute Groups
Pages
Codes
Configuration
Workflow
Organization Policies

Codes

Change Category Change Order Type Prod Chg

Classification Codes

Derived

Valid Classification Codes

Classification Codes Available

- Class A
- Class B
- Class C
- Class D

> Move

>> Move All

< Remove

<< Remove All

Classification Codes Selected

Priorities

Priorities Available

> Move

>> Move All

< Remove

<< Remove All

Priorities Selected

- High
- Low
- Medium
- Standard
- Urgent
- Urgent(!)

Change Mgmt – Configuration

- Creates Change Type entry form configuration

ORACLE Item Catalog Administration

Items Structures **Change Management** Security

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Basic Information
Attribute Groups
Pages
Codes
Configuration
Workflow
Organization Policies

Configuration

Change Category Change Order Type Prod Chg

Sections Available

Sections Selected

Dependencies
References
Action Log
People
Revisions
Revised Items
Change Tasks
Attached Documents
Workflow

Primary Attributes Available

Primary Attributes Selected

Number
Name
Description
Assigned To
Type
Priority
Status
Approval Status
Project Name
Project Task Name

Change Mgmt – Workflow

- Creates basic workflow process

ORACLE Item Catalog Administration

Items Structures **Change Management** Security

Categories | Statuses | Codes | Workflow | Task Templates | Header Attributes | Line Attributes

Basic Information
Attribute Groups
Pages
Codes
Configuration
Workflow
Organization Policies

Workflow

Change Category Change Order Type Prod Chg

Select Status:

Select	Number	Status	Status Type
<input checked="" type="radio"/>	10	Open	Open
<input type="radio"/>	30	Released	Released
<input type="radio"/>	40	Scheduled	Scheduled
<input type="radio"/>	50	Implemented	Implemented

Change Mgmt – ECO Entry

- ECO: Product Change

ORACLE Change Management

Organization: Vision Operations (V1) [Diagnostics](#) [Preferences](#) [Help](#) [Close Window](#)

[Create Change Order: Select Change Order Type >](#)

Create Change Order

* Indicates required field

Change Order Type: Prod Chg * Change Order Number:

* Change Order Name:

Description:

Source Type: Source Name:

Priority: High Need By Date:
(example: 15-Feb-2008 19:45:00)

Reason: Cost Department:

Organization Hierarchy: Classification Code: Class A

Subject

Item Number: Revision:

Item Description:

Project:

* Assigned To: Robert Pierson

Task:

Requestor: Robert Pierson

[Revised Items](#)
[Change Tasks](#)
[Dependencies](#)
[References](#)
[Workflow Approval](#)
[Attachments](#)
[Prod Chg Page](#)

Select	*Item	Description	Item Type	Current Lifecycle Phase	From Revision	New Revision Label	New Revision Code	*Schedule Date and Time
No data exists.								
<input type="button" value="Add 5 Rows"/>								

TIP date format example: 01-Mar-2008 09:02:28

[Revised Items](#)
[Change Tasks](#)
[Dependencies](#)
[References](#)
[Workflow Approval](#)
[Attachments](#)
[Prod Chg Page](#)

Change Mgmt – ECO Entry

- ECO: Product Change

ORACLE Change Management
Organization: Vision Operations (V1) [Diagnostics](#) [Preferences](#) [Help](#) [Close Window](#)

Create Change Order: [Select Change Order Type](#) >
Create Change Order

* Indicates required field

Cancel
Save & Continue (1) Submit

Change Order Type: Prod Chg * Change Order Number: 12345

* Change Order Name: RGP-TEST

Description:

Source Type: Source Name:

Priority: High Need By Date: (example: 15-Feb-2008 19:45:00)

Reason: Cost Department:

Organization Hierarchy: Classification Code: Class A

Subject

Item Number: Revision:

Item Description:

Project: Task:

* Assigned To: Robert Pierson Requestor: Robert Pierson

Revised Items | Change Tasks | Dependencies | References | Workflow Approval | Attachments | Prod Chg Page

Details	*Sequence	*Name	Mandatory	Assigned To	Date Required	Start After Status	Complete Before Status
Show	10	Perform Diagnostic	✓	Robert Pierson	31-Mar-2008	Open	Released
Show	20	Evaluate Findings	✓	Robert Pierson	31-Mar-2008	Open	Released
Show	30	Provide Recommendation	✓	Robert Pierson	15-Apr-2008	Open	Released
Show	40	Execute Tasks	□		30-Apr-2008	Released	Scheduled
Show	50	Implement Solution	□		15-May-2008	Scheduled	Implemented

Add 5 Rows

✓ TIP date format example: 01-Mar-2008

Revised Items | Change Tasks | Dependencies | References | Workflow Approval | Attachments | Prod Chg Page

PLM - Responsibilities

- Seeded Responsibilities
 - Development Manager
 - Development Manager – Portal
 - Development Engineer
 - Development Engineer – Portal
 - Manufacturing Engineer
 - Manufacturing Engineer – Portal
 - Product Manager
 - Product Manager – Portal
 - Program Manager
 - Program Manager – Portal
 - Project Engineer
 - Project Engineer – Portal
 - Supplier Engineer

R12 Enhancements

- Mass updates for items
 - Mass item org assignment via workflow/Excel
 - Mass item category assignment via workflow/Excel
 - Mass item attribute update via workflow/Excel
- Change Management for item/item revision attachments
 - Specify items and attachments
 - Author and specify changes
 - Route for approval
 - Manually or automatically implement

R12 Enhancements

- Change Management for item/item revision attachments
 - Specify items and attachments
 - Author and specify changes
 - Route for approval
 - Manually or automatically implement
- Change Management for the Item Master attributes (finally!)
 - Manage changes to item master using workflow
 - Use change management for review & approval
- Common Bills: material attribute control at org level
 - Operation number, WIP supply type, WIP supply sub locator, supply locator, include in cost rollup

R12 Enhancements

- Document Management
 - Integration between OCS & EBS
 - Document Management
 - Hierarchical relationships, document entity, document numbering, file associations with documents, document metadata
 - Document check-in/check-out, versioning
 - Document lifecycle

R12 Enhancements

- Direct integration between Configurator and user defined attributes
 - Direct import as configurator properties
 - Property based compatibility rules

Agile

- Transaction is consummated July 2007
- Best in breed solution
- Go forward investment will be Agile
 - Existing Oracle PLM will be supported
 - Oracle PIM will be supported and enhanced to address Agile integration
- Agile Product Lifecycle Management (PLM) Overview, 22 Feb 2008, NCOAUG presentation
- <http://www.oracle.com/agile/index.html>
- <http://www.oracle.com/technology/documentation/agile.html>

Questions & Answers

Product Management

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