

**SAP enhancement package 6 for SAP ERP
6.0
Release Notes**



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19 PLM Product Lifecycle Management

19.1 PLM-WUI PLM Web User Interface

19.1.1 Roles in SAP enhancement package 6 for SAP ERP 6.0, PLM Web UI

Use

As of SAP enhancement package 6 for SAP ERP 6.0, Enterprise Extension PLM (EA-PLM 606), the following roles are new, have been changed, or are obsolete:

New roles:

Composite roles

SAP_PLMWUI_RELEASE_COORD3 - Release Coordinator 3

SAP_PLMWUI_SUPPLIER3 - Supplier 3

SAP_PLMWUI_DEMO_ADMINISTR3_RM - Access Control Context Administrator (for Pilot Implementation)

SAP_PLMWUI_DEMO_RCP_DEVEL3_RM - Recipe Developer (for Pilot Implementation)

SAP_PLMWUI_DEMO_RCP_REVIEWER3_RM - Recipe Reviewer (for Pilot Implementation)

SAP_PLMWUI_DESIGNER3 - Designer 3

SAP_PLMWUI_MFG_ENGINEER3 - Manufacturing Engineer 3

Single roles

SAP_PLMWUI_SPEC_MAINTAIN - Maintain Specification

SAP_PLMWUI_SPEC_DISPLAY - Display Specification

SAP_PLMWUI_ACC_ADMINISTR3 - Access Control Context Administrator 3 (for Recipe Development)

SAP_PLMWUI_RECIPE_MIGRATION - Migrate Recipe

SAP_PLMWUI_RECIPE_MIGR_DISPLAY - Display Migration of Recipe

SAP_PLMWUI_RECIPE_REVIEWER3_RM - Recipe Reviewer (ACC Authorizations)

SAP_PLMWUI_RECIPE_SPEC3_RM - Recipe Specialist (ACC Authorizations)

SAP_PLMWUI_SPEC_FES_SAMPLE - Access to Specification Fast Entry Screen Variant

SAP_PLMWUI_TRUSTED_USER_AL3_RM - Trusted User for All PLM WUI Object Types

SAP_PLMWUI_DISCRETE_MENU2 - PLM Expert 7.2

SAP_PLMWUI_PROCESS_MENU2 - Recipe Development

SAP_PLWUI_STATUS_CHANGER - Change Object Status

SAP_PLMWUI_LABEL_DISPLAY - Label Reviewer

SAP_PLMWUI_LABEL_MAINTAIN - Label Developer

Changed roles:

The following composite roles have been enhanced with authorization to change object status:

SAP_PLMWUI_DEMO_DESIGNER - Designer (for Pilot Implementation)

SAP_PLMWUI_DEMO_DESIGNER2 - Designer (for Pilot Implementation)

SAP_PLMWUI_DEMO_RCP_DEVEL3_RM - Recipe Developer (for Pilot Implementation)

SAP_PLMWUI_DEMO_RCP_DEVELOPER - Recipe Developer (for Pilot Implementation)

SAP_PLMWUI_DESIGNER - Designer

SAP_PLMWUI_DESIGNER2 - Designer 2

SAP_PLMWUI_EDESK - Engineering Desktop User

SAP_PLMWUI_EDESK2 - Engineering Desktop User 2

SAP_PLMWUI_MAT_SPECIALIST - Material Specialist

SAP_PLMWUI_MFG_ENGINEER2 - Manufacturing Engineer

SAP_PLMWUI_PROD_SPECIALIST2 - Product Specialist

19.1.2 /PLMU/WEB_UI_3: Business Function PLM Web UI 3 (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, Enterprise Extension PLM (EA-PLM 606), the business function **PLM Web User Interface 3** is available.

You can use this business function to activate the following new features for the web user interface (Web UI) of SAP Product Lifecycle Management (SAP PLM) :

- Routing Component Assignment
You can create routings early in the process before the manufacturing product structure is set up. You can create a routing, based on the engineering product structure. The creation of the routing is supported by the viewer, where the product, based on the engineering product structure, is visualized.
- Extended engineering record to support the release process
You can perform a release process for a defined set of PLM objects, such as documents, materials or BOMs.
- BOM redlining
You can document planned changes to a BOM and make them visible.
- Document browser
You can manage documents efficiently in folders.
- Status and action management
You can execute the status and action management for the following PLM objects:
 - Material
 - Bill of material
 - Product variant
 - Product item variant
 - Product assembly header
 - Product assembly item

The engineering record supports the release process. This includes precondition checks before a status change and triggering of actions based on a status change. For more information see *Customizing for Status and Action Management*.

Note

If you are already using SAP composite roles and you want to perform status changes for PLM objects, you have to add the role `SAP_PLWUI_STATUS_CHANGER` to all composite roles, which allow the change of PLM objects (material, BOM, document, product item, product item variant, product variant, assembly header, assembly item).

- Enhancements for Guided Structure Synchronization (BOM to BOM)
Background processing
You can execute the Guided Structure Synchronization for material BOMs in the background. In the object navigator, you can navigate between the change states of the source BOM and change states of the target BOM.

Effects on Customizing

You make the Customizing settings for these functions in Customizing for *Logistics - General* -> *Product Lifecycle Management (PLM)* under

- *PLM Web User Interface* -> *PLM Web Applications* -> *Guided Structure Synchronization* -> *Settings for Synch. Prod. Structure or Assembly to BOM via Routing*
- *PLM Web User Interface* -> *PLM Web Applications* -> *Redlining in PLM Web UI*
- *PLM Web User Interface* -> *Objects in PLM Web UI* -> *Document in PLM Web UI*
- *PLM Web User Interface* -> *PLM Web Applications* -> *Status and Action Management*
- *PLM Web User Interface* -> *PLM Web Applications* -> *Guided Structure Synchronization* -> *Settings for Synchronization BOM to BOM* -> *Make General Settings for Application Log*

See also

For more information, see SAP Library under *Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0)* -> *Business Functions in SAP ERP* -> *Enterprise Business Functions* -> *Logistics* -> *Product Lifecycle Management* -> *PLM Web User Interface 3*.

19.1.3 /EAMPLM/LOG_EAM_WCM_WS: EAM, WCM Integration into Worker Safety

Use

As of SAP enhancement package 6 for SAP ERP 6.0, Enterprise Extension PLM (EA-PLM 606), the business function *EAM, WCM Integration into Worker Safety* (/EAMPLM/LOG_EAM_WCM_WS) is available. With this business function, you can use features of work clearance management (WCM) in the role-based content available for the simplified planning and execution of maintenance activities. In addition to the standard worker safety features available, you can use WCM work permits to create a safe working environment. It is also possible to add WCM requirements and WCM templates as safety measures in the safety plan, thus allowing you to work more efficiently with work permits. The integration of an external risk management system, such as SAP BusinessObjects Risk Management, supports this process further.

You can use the features of this business function in the following ways:

- In SAP NetWeaver Portal with the business packages *Business Package for Maintenance Worker 1.61* and *Business Package for Generic EAM Functions 1.61*
- In SAP NetWeaver Business Client with the PFCG roles *Maintenance Worker* (SAP_COCKPIT_EAMS_MAINT_WORKER2) and *Generic EAM Functions* (SAP_COCKPIT_EAMS_GENERIC_FUNC2)

For more information, see the following release notes in SAP Library for SAP ERP under *SAP ERP*

Cross-Application Functions -> Roles -> Business Packages (Portal Content):

- Business Package for Generic EAM Functions 1.61 (Changed)
- Business Package for Maintenance Worker 1.61 (Changed)

See also

SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp606>. In SAP Library, see *Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Enterprise Business Functions -> Logistics -> Plant Maintenance -> EAM, WCM Integration into Worker Safety*.

19.1.4 PLM-WUI-OBJ Objects in PLM Web UI

19.1.4.1 PLM-WUI-OBJ-PSM Product Structure and Assembly Management

19.1.4.1.1 /PLMU/IPPE_INT_3: Business Function PLM, Prod. Structure and Assy Mgmt (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, Enterprise Extension PLM (EA-PLM 606), the business function **PLM, Product Structure and Assembly Management 3** is available. You can use this business function to activate the following new feature for the web user interface (Web UI) of SAP Product Lifecycle Management (SAP PLM) for Product Structure and Assembly Management:

Enhancements to Guided Structure Synchronization (PSM to BOM)

You can execute the Guided Structure Synchronization for product structures and assemblies in the background. In the object navigator, you can navigate between the changes states of the source structure (product structure) and change states of the target (material BOM).

Effects on Customizing

You make the Customizing settings for these functions in Customizing for *Logistics - General -> Product Lifecycle Management (PLM) under PLM Web User Interface -> PLM Web Applications -> Guided Structure Synchronization -> Settings for Synchronization Product Structure or Product Assembly to BOM -> Make General Settings for Application Log*.

See also

For more information, see SAP Library under *Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Business Functions in SAP ERP -> Enterprise Business Functions -> Logistics -> Product Lifecycle Management -> PLM, Product Structure and Assembly Management 3*.

19.1.5 PLM-WUI-RCP Recipe Development**19.1.5.1 /PLMU/RCP_2: Business Function Recipe Development 2 in PLM Web UI****Use**

As of SAP enhancement package 6 for SAP ERP 6.0, Enterprise Extension PLM (EA-PLM 606), the business function Recipe Development 2 in PLM Web UI is available.

You can use this business function to activate the following new features for Recipe Development:

- Migration of recipes from Recipe Management (PLM-RM)
You can use the report /PLMI/RCP_MIGRATION to migrate data from Recipe Management (PLM-RM) to Recipe Development (PLM-WUI-RCP).
- Mass change for recipes
You can use this function to carry out mass changes for recipes. The mass change function can only be used for data of a special PLM object type when the object type uses the PLM UI framework. In the standard system, the following data can be changed:
 - General Data
 - Formula Items
- Mass creation for recipe versions
You can use this function to create new versions for a large number of recipes. This function is part of the mass change function.
- Reporting with Windows Word Processor Integration (WWI)
You can create reports for specifications or recipes by using the *Windows Word Processor Integration (WWI)* with the following features:
 - Triggering creation of WWI reports for recipes
 - Displaying released WWI reports
 - Creating of ad-hoc WWI reports (from template)
 - WWI report templates for recipes using new symbols
- Functional enhancements for specifications:
 - Enhancement of Engineering Change Management
 - Copy of specifications in one step
 - Fast data entry screens for specifications

- Access Control Management for specifications for collaboration with external parties
- Functional enhancements for recipes:
 - Displaying and changing multiple recipes
You can display and change the formula data and the calculation results of multiple recipes at the same time. You can copy multiple recipes or create multiple recipe versions at the same time.
 - Simulation
You can simulate how the recipe data changes if you choose different explosions paths.
 - Equipment requirements for process elements
You can assign equipment requirements to describe the resources that are required for the whole process, and on stage, operation, or action level.
 - Streams on *Process* view
If you have the necessary authorization, you can create and change streams during process editing.
 - Explosion recipe
If the specification of an input item is primary output of other recipes, you can now specify an explosion recipe which the system uses during explosion.
This recipe will be used each time the recipe is exploded.
 - Plant-dependent recipes
You can assign a plant to recipes of an appropriate recipe type, for example, the new recipe type **PLANT**. The plant is not the plant where the recipe is developed, but the plant in which the recipe is meant to be used in production. You can use different plants for different alternative recipes.
 - Alternative items for primary outputs
 - Creation of specifications
You can create specifications during recipe editing.
 - Property specification
You can assign a property specification to a recipe to store additional recipe information in a property tree. For this purpose, the new specification category RECIPE_WUI was introduced.
 - Download of recipe data
You can download the data of one or multiple recipes to compare recipe data.
 - Additional content for the Business Context Viewer (BCV)
You can now also access the following information via side panel:
 - Quantities of formula items, ingredients, and composition
 - Calculated price
 - Minimum, maximum, and current quantity for items
 - Status and validity
 - Enhancements for synchronization recipe to BOM
There is a new work center available for synchronizing recipes with manufacturing BOMs.
- Compliance check
You can now use the compliance check for specifications and recipes to ensure that products are compliant with regional and local regulations.

- Functional enhancements for labels:
 - Enhanced usability
 - Changes on the ingredient list are now reversible.
 - Modification functions on ingredient list now show their source elements.
 - You can now create labels for multiple target locations (such as countries, geographical areas) on the same label with multiple languages (even with the same language code, if needed).

Effects on Customizing

For changes in Customizing for Recipe Development, see Changes to the Customizing Structure for Recipe Development.

See also

For more information, see SAP Library under *Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Business Functions in SAP ERP -> Enterprise Business Functions -> Logistics -> Product Lifecycle Management -> Recipe Development 2 in PLM Web UI.*

19.1.5.2 Changes to the Customizing Structure for Recipe Development

Use

If the business function */PLMU/RCP_2: Recipe Development 2 in PLM Web UI* is active, the Customizing for Recipe Development has changed as follows:

New Activities

- *Specification Management -> Specification -> Specification Master -> Define Default Values for Copying Specifications*
- *Specification Management -> Specification -> Specification Master -> Define Default Entries on the Specification and FES Initial Screens*
- *Specification Management -> Specification -> Specification Database Structure -> Settings for Value Assignment -> Define Display Settings for Value Assignment Categories*
- *Specification Management -> Specification -> Business Add-Ins (BADIs)*
 - *Extended Checks for Specifications -> Implementation: Prevent Changing Specifications*
 - *Extended Checks for Specifications -> Implementation: Prevent Changing Statuses with Change Number*
 - *Extended Checks for Specifications -> Implementation: Prevent Deleting Unreleased*

Ratings

- *Extended Checks for Specifications -> Implementation: No Change Numbers Between Existing Change Numbers*
- *BAdI: Extended Checks for Engineering Change Management*
- *BAdI: Extended Authorization Checks*
- *BAdI: Consistency Check*
- *BAdI: Extended Checks for Specification Value Assignments*
- *Recipe -> Calculations -> Declare Value Assignment Type and Characteristic for Default Component Types*
- *Recipe -> Business Add-Ins (BAdIs) -> BAdI: Availability of Fields in Dynamically Generated Tables*
- *Recipe -> Business Add-Ins (BAdIs) -> BAdI: Adapt Data Before Copying*
- *Recipe -> Business Add-Ins (BAdIs) -> BAdI: Adapt External Format for Generic Object Type 'Recipe'*
- *Recipe -> Business Add-Ins (BAdIs) -> BAdIs for Recipe Explosion -> BAdI: Filter Recipes During Modeling*
- *Labeling -> Define Target Location Profiles*
- *Labeling -> Define Template for Component Structure*
- *Labeling -> Specify Statement Purpose*
- *Labeling -> Specify Authorization Groups*
- *Labeling -> Business Add-Ins (BAdIs) -> BAdI: Initial Label Status*
- *All activities under Compliance Check*
- *All activities under Reporting*
- *Business Add-Ins (BAdIs) -> BAdI: Define Variants for Data Download*

Changed Activities

- *Recipe -> General Settings*
- *Recipe -> Define Recipe Types*
- *Labeling -> Define PDF-Based Print Forms*

Effects on Customizing

You can find the Customizing for Recipe Development under *Logistics - General -> Product Lifecycle Management (PLM) -> PLM Web User Interface -> Recipe Development*.

See also

/PLMU/RCP_2: Business Function Recipe Development 2 in PLM Web UI