PP Production Planning and Control

SAP ERP Central Component

Release 6.0

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Processing
18 PP  Production Planning and Control

18.1 Plant Manager Role (2.0) (Changed)

Use

As of SAP ECC 6.00 (SAP APPL 600), new functions for the Plant Manager role are available in the portal.

The role with the workset Plant Management includes the functions for the plant manager's daily tasks. The plant manager can quickly and easily find the relevant information for all tasks, as well as quickly respond to production-specific alerts.

Overview

The work overview provides you with a personal overview with a KPI monitor, alerts issued, and regular reports. The system also displays the data from the SAP NetWeaver Business Intelligence as well as personal contacts.

Reports

In this workset, the relevant production data is displayed for the plant. It is also possible to create reports via the Report Launchpad.

Service Map

In this workset, the relevant application links are listed for the plant manager.

Effects on Existing Data

The plant manager can use this role to access the relevant data. The data can originate from an SAP or non-SAP system.

The data created with the Plant Manager role (1.0) are not influenced by the Plant Manager role (2.0).

Effects on System Administration

The system administrator must make default settings for the KPIs. The users can also make additional settings in the personalization.

Effects on Customizing

You can make settings for the generic key figure monitor and the Report Launchpad under Integration with Other mySAP.com Components -> Business Packages / Functional Packages -> Plant Manager 2.0.

See also

For more information, see component Production Planning (PP) in the SAP Library under Business Package for Plant Manager.
18.2 Navigation Profiles (New)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use a general navigation profile in Production Planning and Control (PP) to insert additional functions and transactions into the application toolbar or the context menu.

You can create, change, save, and manage non user-specific and user-specific navigation profiles. In navigation profiles you can determine which functions, transactions, class calls, or menus are displayed in the application toolbar or context menu.

You can also delete, transport, or import navigation profiles.

You can use the navigation profile in the following transactions:

- Shop Floor Control (PP-SFC)
  - COOIS - Order Information System
  - COHV - Mass Processing
  - CO01, CO02, CO03 - Production Order (in the Collective Order Overview)
  - CO24 - Missing Parts Information System
  - CO27 - Picking List

- Production Planning - Process Industry (PP-PI-POR)
  - COOISPI - Order Information System - PI
  - COHVPI - Mass Processing - PI

- Material Requirements Planning (PP-MRP)
  - MDVP - Collective Availability Check for Planned Orders
  - MD09 - Determine Pegged Requirements

- Kanban (PP-KAB)
  - PKMC - Control Cycle Maintenance: Display

- Other
  - PDS_MAINT Change Production Data Structure (Plug-In)

Manage Navigation Profiles

You can use the transaction Manage Navigation Profiles (NAVP_MANAGE) to manage the navigation profiles directly. You can delete, transport, or import navigation profiles in this transaction.

Navigation Profiles in Your Own Programs or Reports

In addition to using navigation profiles in selected functions of Production Planning and Control, you can also incorporate them into your own applications using ALV Grid Controls and ALV Tree Controls.

Navigation Profile for MRP

In contrast to the navigation profile in PP described above you can only call the navigation profile for MRP in the Current Stock/Requirements List and in the MRP List.
The MRP navigation profile is a collection of transaction calls that are assigned to a specific user role and can be directly activated from the MRP list and the stock/requirements list.

**Effects on System Administration**

You can use the authorization object C_NAV_PROF Navigation Profile to control the authorizations for the navigation profile in PP.

You can define whether users are allowed to carry out the following functions:

- Process Standard Navigation Profiles (Activity 23 - Maintain)
  You allow users to create, change, or set as a default navigation profiles that are not user-specific.

- Create New Class Calls (Activity 01 - Add or Generate)
  You allow users to add a new class call to a navigation profile or to change one.

**See also**

For more information, see the SAP Library under SAP ERP Central Component -> Logistics -> Production Planning and Control (PP) -> Production Orders (PP-SFC) -> Order Information System -> Navigation Profile.

**18.3 Planned Order Conversion in Mass Processing (New)**

**Use**

As of SAP ECC 6.0 (SAP_APPL 600) you can convert planned orders in mass processing.

You can define the following parameters for the conversion:

- Order category
- Order type
- Collective orders
- Read bill of materials

You can execute planned order conversion immediately, in the background or online, or you can generate a function preselection.

If you execute the function online, you go to individual conversion for each order. Depending on the order category that has been defined, you carry out Individual Conversion of Production Orders into Planned Orders (transaction CO40) or Individual Conversion of Planned Orders into Process Orders (COR7). You can also carry out partial conversion in these transactions.

**Note**

For technical reasons, the system cannot write a log of the planned order conversion to the database. Therefore, logs can only be displayed in the same process (mode) in which the conversion was carried out. If you have activated parallel processing you cannot display logs in the same mode. For batch jobs, a log is only generated in the spool if you have not defined parallel processing.
See also

For more information, see the SAP Library under Production Orders (PP-SFC) -> Mass Processing of Process and Production Orders -> Mass Processing Functions and Setting Up Parallel Processing.

18.4 SAP List Viewer in Functions and Reports (Changed)

Use

As of SAP ECC 6.0 (SAP_APPL 600) the following reports and transactions and/or their subfunctions) have been converted to SAP List Viewer:

Reports

Repetitive Manufacturing (PP-REM)
- PPARBFDL - Archiving Program for Deleting Document Logs for PP_BKFLUSH
- PPARBFRE - Archiving Program for Evaluating an Archive File for PP_BKFLUSH
  You can choose between a list-based output and an output that uses the SAP List Viewer.

Demand Management (PP-MP-DEM)
- RM60IN01 - Copying Planned Independent Requirement Data Using the Direct Input Method (Results List)

Kanban (PP-KAB-BF)
- RMAFRU00 - Reprocessing Incorrect Confirmations

Plant Data Collection (PP-PDC)
- CIBDOPGR - Transfer of Operations to Subsystems
- CIBDOPDE - Delta Transfer of Operations to Subsystems
- CIBDKAGR - Transfer of Master Data to Subsystems
- CIBDSTTA - Transfer of Master Data to Subsystems

Work Center (PP-BD-WKC)
- RCRA0031 - Capacity: Where-Used List (CR15)
  You can choose between a list-based output and an output that uses the SAP List Viewer.

Transactions/Functions

Material Requirements Planning (PP-MRP)
- Maintain BOM Explosion Numbers (MDSP)
  (This function has undergone a technical conversion, although not to SAP List Viewer.)

Master Data (PP-MRP-BD)
- Create Planning Calendar (MD25)

**Planning Evaluation (PP-MRP-PE)**

- Evaluations of the planning situation and the planning results (MD44, MD45, MD46, MD47, MD48) and evaluations in long-term planning (MS44, MS47)
  In these functions you can choose between a list-based output and an output that uses the SAP List Viewer.

**Long-Term Planning (PP-MP-LTP)**

- Change Planning Scenario (MS32)
  The planned independent requirements that you have activated in this function are displayed in a hierarchical results list.

**Repetitive Manufacturing (PP-REM)**

- Repetitive Manufacturing Profile ASSISTANT (OSPT)
  The summary of the settings that you have chosen has been converted and is displayed in the SAP List Viewer.

- Postprocessing List (MF47) - Report RMSERI11
  The postprocessing list has been converted to the SAP List Viewer; in addition, you can now branch to the stock overview (@3Q@) and delete postprocessing items (@11@) via icons.

**Demand Management (PP-MP-DEM)**

- Planning Profile (MDPH) and Create Planning Profile (MDP6)
  In the planning profile, you can branch to the detail view via the following icons, which are displayed in a separate column: @16@. **Detail Display of the Characteristics Combinations** and @1E@. **Display Planning Characteristics**.

- Create, Change, Display Planned Independent Requirement (MD61, MD62, MD63)
  - New icons @16@. **Detail Display of the Characteristics Combinations** and @1E@. **Display Planning Characteristics** on the screen **Configuration Supporting Point** (Configuration: Maintain Usage Probabilities)
  - Message Log Converted to SAP List Viewer

**Material Master (LO-MD-MM)**

- Material Master (MM01, MM02, MM03)
  The display of the strategies in a strategy group on the **MRP 3 tab page** has been converted to SAP List Viewer.

**Work Center (PP-BD-WKC)**

- Work Center/Resource Maintenance (CR01, CRC1, IR01, CR02, CRC2, IR02, CR03, CRC3, IR03)
  The display of the HR assignments to a work center or resource has been converted to SAP List Viewer. The display of the HR assignments to a work center capacity has been converted to SAP List Viewer (**Capacity Header**> **HRMS**).

- Capacity Maintenance (CR11, CR12, CR13)
  The display of the HR assignments to a personnel capacity has been converted to SAP List Viewer.

- Work Center Hierarchy Maintenance (CR21, CR22, CR23)
  The structural display of the work center hierarchy has been converted to SAP List Viewer.
See also

For more information about reports and transactions that have already been converted, see SAP Note 747469.

18.5 PP-BD Basic Data

18.5.1 PP-BD-BOM Bills of Material (See LO-MD-BOM)

18.5.1.1 Bills of Material: History Requirement

Description

Previously, the standard system had a history requirement for BOMs if:
- The BOM has been changed at least one with a change number
- History requirement is defined for the combination of BOM usage and status

As of Release 4.0A, you have more control over history requirement for BOMs.
You have the following options:
- History requirement for creating a BOM
- History requirement for creating a new variant or alternative if:
  - At least one alternative or variant has been created or changed with a change number
  - At least one alternative or variant has a BOM status with history requirement
- **Switch off** history requirement for creating a new variant or alternative, even if existing alternatives or variants have been processed with a change number

Effects on Customizing

You define the settings for history requirement in Customizing: Define modification parameters.
18.5.2 PP-BD-WKC Work Center

18.5.2.1 Use of the SAP List Viewer (Changed)

Use

As of SAP ECC 6.0, SAP_APPL 600 you have the option of using the SAP List Viewer in the following transactions:

- CA70 - Use of PRT in Task Lists
- CA72 - PRT Usage in PM Routings
- CA75 - Replace PRT in Task Lists
- CA77 - PRT Mass Change in PM Routings
- CA80 - Work Center Where-Used
- CA82 - Work Center Where-Used (for plant maintenance or customer service)
- CA85 - Replace Work Center
- CA87 - Replace Work Center (for plant maintenance or customer service)
- CA90 - Use of Reference Operation Set in Task Lists
- CA95 - Replace Reference Operation Set (in task lists)

To do this, choose System -> User Profile -> Own Data and set parameter ACC_MODE to X.

This makes the following changes for all transactions:

- On the initial screen, the Choose overview variant pushbutton is missing. This means that you cannot influence the display structure.
- You cannot print the display structure.
- To display information in the objects in a task list, choose Choose or Detail.
- You can no longer display information about the task list header or the sequence (CA70 or CA75) in a task list by using a checkbox. Instead, you choose Choose or Detail. You see information about the selected object. By choosing Back, you display more information about the selected task list.
The following changes apply to mass replacement (CA75, CA85, CA95):
- You can no longer make changes in the overview.

See also
For more information, see the SAP Library for the component.

18.5.3 PP-BD-RTG Routing

18.5.3.1 Use of the SAP List Viewer (Changed)

Use
As of SAP ECC 6.0, SAP_APPL 600 you have the option of using the SAP List Viewer in the following transactions:
- CA70 - Use of PRT in Task Lists
- CA72 - PRT Usage in PM Routings
- CA75 - Replace PRT in Task Lists
- CA77 - PRT Mass Change in PM Routings
- CA80 - Work Center Where-Used
- CA82 - Work Center Where-Used (for plant maintenance or customer service)
- CA85 - Replace Work Center
- CA87 - Replace Work Center (for plant maintenance or customer service)
- CA90 - Use of Reference Operation Set in Task Lists
- CA95 - Replace Reference Operation Set (in task lists)

To do this, choose System -> User Profile -> Own Data and set parameter ACC_MODE to X.
This makes the following changes for all transactions:
- On the initial screen, the Choose overview variant pushbutton is missing. This means that you cannot influence the display structure.
- You cannot print the display structure.
- To display information in the objects in a task list, choose Choose or Detail.
- You can no longer display information about the task list header or the sequence (CA70 or CA75) in a task list by using a checkbox. Instead, you choose Choose or Detail. You see information about the selected object. By choosing Back, you display more information about the selected task list.

The following changes apply to mass replacement (CA75, CA85, CA95):
- You can no longer make changes in the overview.

See also
For more information, see the SAP Library for the component.

18.6 PP-MRP Material Requirements Planning

18.6.1 Business Add-Ins in Material Requirements Planning (New/Enhanced)<

Use
As of SAP ECC 6.0 (SAP_APPL 600) you can use the following Business Add-Ins (BAdIs):
- Change the Calendar for the Days' Supply Calculation (MD_CHANGECALENDAR) (New)
  You can use this BAdI in Material Requirements Planning to use your own calendar instead of the factory calendar (for example, one that is material-specific) for the safety time and for evaluations of the days' supply data.
- Update Planned Orders (MD_PLDORD_POST) (Enhanced)
  Up to and including SAP ECC 5.0 it was only possible to use the BAdI to publish the header data and components of planned orders.
  You can now use this BAdI to publish capacity data and/or its change status as well.

See also
For more information, see the documentation for the BAdIs: MD_CHANGECALENDAR and MD_PLDORD_POST.
18.6.2 PP-MRP-PE Planning Evaluation

18.6.2.1 Standardized Order Report and Order Progress Report and Improved Usability (New/Enhanced)

Use

As of SAP ECC 6.0 (SAP_APPL 600) the order report for Material Requirements Planning (transaction MD4C) and the order progress report for Shop Floor Control (transaction CO46) have been standardized and usability has been improved.

Shop Floor Control Order Progress Report (CO46)

In this function you can either display the list-based order progress report or the multi-level order report. You can view order data either from a Shop Floor Control or MRP point of view:

- If you select the list-based order progress report, the system displays the order data in a hierarchical list.
- If you do not select the indicator, the system displays the order report.

MRP Order Report (MD4C)

The following functions are now available in the order report:

- **Edit Profile**
  You can edit the profile for the order report on the initial screen. Previously, this was only possible in Customizing for MRP.
  You can make the following settings, among others, in the profile:
  - Display additional materials
    For example, consumption-based planning materials, bulk materials, pipeline products, co-products and by-products.
  - Number of hierarchy levels that are read
  - Display additional material data
    For example, stocks, standard price or production scheduler.
  - Display additional data for receipt elements
    For example, planned total quantity, start date and end date, release date or system status.
  - Buffering of the order report
    If you have already called the order report and want to call the order report for another order from the requirements/stock situation, the system does not reread the data from the database. Instead it reads it from the buffer.

- **Multiple Selection**
  You can execute the order report for multiple sales orders and items, and materials.

If you call the order report from the *Current Requirements/Stock List*, the system uses the profile that you have defined in the user settings of the *requirements/stock list* for the order report. You can specify the profile that is to be used when the order report is called in the user settings, on the tab page *General Settings*. If you have not specified a profile, the system uses the SAP standard profile SAP000000001.
You can use the Business Add-In MD_EXPORT_TREE to export and carry out further processing of the order tree. This BAdI belongs to the enhancement spot MD_ORDER_REPORT. For more information about enhancement spots and enhancement implementations, see the SAP Library for SAP NetWeaver under Enhancement Framework.

**Effects on System Administration**

You can use the following user parameters (SET/GET parameters):

- **MTOLD Display Old Order Tree**
  To choose the list-based display for the order report

- **PROFIDCO46 Profile for Order Report**
  The profile for displaying the order report that the system proposes when the order report is accessed from CO46

- **PROFID Profile for Order Report**
  The profile for displaying the order report that the system proposes in MD4C

**Effects on Customizing**

**Order Progress Report for Shop Floor Control** (CO46)

You process the overall profile for the list-based order progress report in Customizing for Shop Floor Control under Information System -> Profiles for Order Progress Report -> Define Overall Profiles and Define Profiles for Displayed Fields.

**Order Report for Material Requirements Planning** (MD4C)

You process the profile for the order report in Customizing for Material Requirements Planning under Evaluation or in Customizing for Shop Floor Control under Information System -> Define Profiles for Order Report.

The following standard profiles are delivered:

- SAP000000001 Standard profile MD4C
- SAP000000002 Standard profile CO46

**See also**

For more information see the SAP Library under SAP ERP Central Component -> Logistics -> Production Planning and Control (PP) -> Material Requirements Planning (PP-MRP-PE) Evaluating the Planning Run (PP-MRP-PE) -> Order Report and under Production Orders (PP-SFC) -> Order Progress Report.
18.7 PP-SFC  

Production Orders

18.7.1 Production Supervisor Role (New)

Use

As of SAP ECC 6.0, PLM Extension (EA-APPL 600), the Production Supervisor role is available in the portal. The role with the workset Shop Floor Control includes the functions for the production supervisor's daily tasks. The production supervisor can quickly and easily find the relevant information for all tasks, and carry out order and operation confirmations as well as create shift comments.

Overview

- **Work Overview**
  The work overview provides you with a personal overview of the alerts issued as well as the worklist. The worklist includes orders and operations to be confirmed, for example. The system also displays the data from the SAP Netweaver Business Intelligence as well as personal contacts.

- **Shift Comments**
  You can create and display comments containing information about shifts. You can also view the alerts issued. The system also displays the data from the SAP Netweaver Business Intelligence as well as personal contacts.

- **Confirmation**
  The system displays the confirmations that were carried out. You can create confirmations for orders and operations. The system also displays any alerts that may have been issued.

Reports

This workset provides you with a personal overview using a key figure monitor. You can also create reports (Report Launchpad). The system also displays the data from the SAP Netweaver Business Intelligence.

Service Map

In this workset, the relevant application links are listed for the production supervisor.

Effects on Existing Data

The production supervisor can use this role to access the relevant data. The data can originate from an SAP or non-SAP system.

Effects on System Administration

The system administrator must make default settings for the key figures. The users can then make additional settings in the personalization.

Effects on Customizing

You make the settings for the generic key figure monitor and the launch pad under Integration with other mySAP.com Components -> Business Packages / Functional Packages -> Production.
18.7.2 Standardized Order Report and Order Progress Report and Improved Usability (New/Enhanced)

Use

As of SAP ECC 6.0 (SAP_APPL 600) the order report for Material Requirements Planning (transaction MD4C) and the order progress report for Shop Floor Control (transaction CO46) have been standardized and usability has been improved.

Shop Floor Control Order Progress Report (CO46)

In this function you can either display the list-based order progress report or the multi-level order report. You can view order data either from a Shop Floor Control or MRP point of view:

- If you select the list-based order progress report, the system displays the order data in a hierarchical list.
- If you do not select the indicator, the system displays the order report.

MRP Order Report (MD4C)

The following functions are now available in the order report:

- **Edit Profile**
  You can edit the profile for the order report on the initial screen. Previously, this was only possible in Customizing for MRP.
  You can make the following settings, among others, in the profile:
  - Display additional materials
    For example, consumption-based planning materials, bulk materials, pipeline products, co-products and by-products.
  - Number of hierarchy levels that are read
  - Display additional material data
    For example, stocks, standard price or production scheduler.
  - Display additional data for receipt elements
    For example, planned total quantity, start date and end date, release date or system status.
  - Buffering of the order report
    If you have already called the order report and want to call the order report for another order from the requirements/stock situation, the system does not reread the data from the database. Instead it reads it from the buffer.

- **Multiple Selection**
  You can execute the order report for multiple sales orders and items, and materials.

If you call the order report from the Current Requirements/Stock List, the system uses the profile that you have defined in the user settings of the requirements/stock list for the order report.
You can specify the profile that is to be used when the order report is called in the user settings, on the
tab page **General Settings**. If you have not specified a profile, the system uses the SAP standard profile SAP000000001.

You can use the Business Add-In MD_EXPORT_TREE to export and carry out further processing of the order tree.
This BAdI belongs to the enhancement spot MD_ORDER_REPORT.
For more information about enhancement spots and enhancement implementations, see the SAP Library for *SAP NetWeaver* under *Enhancement Framework*.

**Effects on System Administration**

You can use the following user parameters (SET/GET parameters):

- **MTOLD** *Display Old Order Tree*
  To choose the list-based display for the order report

- **PROFIDCO46** *Profile for Order Report*
  The profile for displaying the order report that the system proposes when the order report is accessed from CO46

- **PROFID** *Profile for Order Report*
  The profile for displaying the order report that the system proposes in MD4C

**Effects on Customizing**

**Order Progress Report for Shop Floor Control** (CO46)

You process the overall profile for the list-based order progress report in Customizing for *Shop Floor Control* under *Information System -> Profiles for Order Progress Report -> Define Overall Profiles and Define Profiles for Displayed Fields*.

**Order Report for Material Requirements Planning** (MD4C)

You process the profile for the order report in Customizing for *Material Requirements Planning* under *Evaluation* or in Customizing for *Shop Floor Control* under *Information System -> Define Profiles for Order Report*.

The following standard profiles are delivered:

- **SAP000000001 Standard profile MD4C**
- **SAP000000002 Standard profile CO46**

**See also**

For more information see the SAP Library under *SAP ERP Central Component -> Logistics -> Production Planning and Control (PP) -> Material Requirements Planning (PP-MRP-PE) Evaluating the Planning Run (PP-MRP-PE) -> Order Report* and under *Production Orders (PP-SFC) -> Order Progress Report*.
18.7.3 Business Add-In for Document Links in the Production Order (New)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use the Business Add-In (BAdI) Edit Document Links (WORKORDER_DOCLINKS) to control certain aspects of the automatic linking of documents to a production order.

You can change or delete document links created by the system, and you can link new documents using a BAdI.

Effects on Existing Data

The BAdI is an alternative to or enhancement of the following Customer Exits:

- PPCO0015 (Additional check for document links from BOMs)
- PPCO0016 (Additional check for document links from master data)
- PPCO0017 (Additional check for dialog processing of document links).

Effects on Customizing

You can find the BAdI in Customizing for Shop Floor Control under System Modifications -> Business Add-Ins -> BAdI: Edit Document Links.

For more information see the documentation on the BAdI.

18.7.4 Printing with PDF-Based Forms (New)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can print PDF-based forms.

You can output the following production order lists:

- Object lists
- Document references
- Kanban cards (only in conjunction with production orders)

If you use a PDF-based print program, you must also use a print program that supports the output of PDF.

You can use the following forms and print programs:

<table>
<thead>
<tr>
<th>List</th>
<th>PDF Form</th>
<th>Print Program with PDF Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object list</td>
<td>PSFC_PRINT_LAY</td>
<td>PSFC_OBJECT_LIST_PDF</td>
</tr>
<tr>
<td>Document references</td>
<td>PSFC_DOC_LINKS</td>
<td>PSFC_DOCLINK_LIST_PDF</td>
</tr>
<tr>
<td>Kanban cards</td>
<td>PSFC_KANBAN</td>
<td>PPPRKANB_PDF</td>
</tr>
</tbody>
</table>
Effects on Existing Data

You can continue to use SAPscript output for the production order lists mentioned.

Effects on Customizing

Print Customizing for Shop Floor Control has been enhanced (Shop Floor Control -> Operations -> Define Print Control).

Print Customizing for the following areas has also been affected by this change as it is, to a large extent, identical:

- Networks (Project System -> Structures -> Operative Structures -> Network -> Printing in Networks -> Define Print Controls for Shop Papers)
- Process Order (Process Order -> Operations -> Define Print Control)
- Quality Management (Quality Inspection -> Define Print Control, Forms, Print Programs)

You can output physical-sample labels with the PDF form QM_SAMPLE_LABEL1 and the print program RQPRPP10_PDF.

See also

For more information, see the SAP Library under SAP NetWeaver -> Application Platform (SAP Web Application Server) -> Business Services -> PDF-Based Forms (PDF-Based Form) and under SAP ERP Central Component -> Logistics -> Production Planning and Control (PP) -> Production Orders (PP-SFC) -> Printing Order Papers.

18.7.5 PP-SFC-IS Information System

18.7.5.1 Search Help for Manufacturing Orders (Changed)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use the revised search help Production Orders Using the Info System or Process Orders via Info System.

You can use this search help in order processing, in the archiving preprocessing program PPARCHP1, in the archiving program PPARCHA1, or in the confirmation for the production order.

- After you have called the search help Production Orders Using the Info System or Process Orders via Info System the system displays the selection screen of the order information system. On the initial screen you can choose which type of list (for example, components) is used to display the search results.
- You can now use multiple selection to search for and select multiple orders and to transfer them to the multiple selection results. Until now, it was not possible to make a multiple selection using this search help.
- The default layout for the output list is used to display the search results. In contrast to the order information system, you cannot specify a layout for the list.

- When the user calls the search help, the system carries out an authorization check for the order information system (transaction COOIS or COOISPI).

18.7.5.2 Improvements in the Order Information System and Mass Processing (New/Enhanced)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use the following functions in the order information system:

- Comprehensive Authorization Check on Transaction-Level (New)
  As of SAP ECC 6.0, the system carries out an authorization check for the transaction that is stored in the selection screen variant when the user selects a selection screen variant of another transaction in: mass processing, the order information system, background printing or productions orders, release of production orders, collective availability check, and so on.
  You can use the report PPIO_ENTRY_VARIANT_DISPLAY for an overview of the transactions in which selection screen variants have been entered.
  For authorized users, you can define in Customizing that the user receives an information message if he or she selects a selection screen variant of another transaction. You can define the type of this message COIS 016 in Customizing for Shop Floor Control under Define System Message Attributes.

- Search Help for Production Orders (Enhanced)
  For more information, see the Release Note Search Help for Manufacturing Orders.

- Output List of the Order Information System and Mass Processing Standardized with Standard ALV Functions (Enhanced)
  The new display of the lists differs from the previous display in the following ways:
  - The individual object lists and the object overview have been adjusted to improve performance and decrease the amount of memory used, especially when the lists are large.
  - In addition, the application toolbar has been revised and made clearer. You can now display or hide standard list functions using a pushbutton.
  - In the individual object lists, you can find the Environment Menu in the application toolbar. You can use this to access the operation or component overview, the status, logs, or the Current Stock/Requirements List.
  - In the order header list, the system displays an icon for the order in a separate column Icon.
This replaces the different colors used to indicate what sort of order was being displayed in the order header list (for example, production or process orders, or planned orders.)

- In the output list of mass processing you can find the Mass Processing Menu in the application toolbar. You can use this menu to carry out the selection function in mass processing, to display and change the selected settings, and to call the log of the last mass processing.

- As a result of the switch to standard ALV, the individual object lists no longer support profiles; instead, layouts are used. The user can create and change the layout directly in the function meaning that no Customizing settings are necessary. It may be necessary to create new layouts that are identical to the profiles that were previously used.

The system uses the following logic to determine which layout should be used:
- If no layout has been stored in the selection screen variant, the system automatically uses the default layout.
- If no default layout is available, the standard layout is used.

As a default, the "old" display with profiles is no longer used.
If the user selects selection screen variants that contain profiles, the system automatically uses the default or standard layout.
If you still want to use profiles, you must activate the old ALV display in the corresponding selection screen variant of the report PPIO_ENTRY.
You can use the report PPIO_ENTRY_VARIANT_DISPLAY for an overview of the existing selection screen variants and to display which variant the "old" display uses.

- You can use the Business Add-In WORKORDER_INFOSYSTEM to influence the layout-based object overview and the new individual object lists.

- **Selection at Component-Level Also Possible Using Requirements Date and Missing Parts Indicator (Enhanced)**
  At component-level, you can now also make selections using the requirements date and the missing parts indicator. This integrates the missing parts system (transaction CO24) into the order information system.

- **Reduced Reading for Planned Orders (New)**
  Reduced reading is now also supported for planned orders. Reduced reading takes only dependent objects that match the specified selection criteria into account.
  For more information, see the documentation on the data element Reduced Reading.

- **Missing Parts Information System and Picking List Integrated in the Order Information System and Mass Processing (New)**
  The missing parts information system (transaction CO24), the picking list (CO27), and the picking list PI (COIK) are now integrated into the order information system and mass processing by means of selection screen variants and layouts.
  For these functions, the following selection screen variants with new standard layouts for the component list are available:

  - **SAP&MPART** Missing parts list (CO24)
    Layout 000000000003 Missing parts lists - Material view
    Layout 000000000004 Missing parts lists - Order view

  - **SAP&PICK** Picking list (CO27)
    Layout 000000000002

  - **SAP&PICKPI** Picking list PI (COIK)
    Layout 000000000002
In the selection screen *Mass Processing - Picking*, you can define that only components that can be picked are selected.

- **Display of all Individual Object Lists in Mass Processing (Enhanced)**
  As in the order information system, you can now select all individual lists as well as the object overview in mass processing. In other words, you can also choose individual lists that do not support mass processing. For these lists, the *Mass Processing* tab page is not displayed.
  If you select the *Object Overview*, the system displays the *Object Selection* tab page, in addition to the *Selection* and *Mass Processing* tab pages.
  In the output of the object overview, you can then only carry out mass processing for the individual list *Order Headers*.

- **Log in Mass Processing in the Dialog (New)**
  Until now, a log was only issued automatically for batch jobs.
  You can now also automatically issue a log for mass processing in the dialog. If you make this setting on the *Mass Processing* tab page, the system automatically branches to the display of the log, once mass processing has finished.

- **Display Archived Process and Production Orders with Document Links and Purchase Requisitions (Enhanced)**
  When displaying archived data, you can now also display document links and purchase requisitions.
  To do this, use a layout-based overall profile.

- **Display All Individual Lists in Order Processing (Enhanced)**
  When you access the object overview from order processing (transactions CO01, CO02 or CO03), it is now possible to select all individual lists. To do this, use a layout-based overall profile.
  You can also select individual lists that you cannot change in order processing, for example, confirmations.

**Effects on System Administration**

**Technical Settings**

You can display and change selection screen variants in the variant maintenance of the report PPIO_ENTRY.

You can display and change the following values in the technical settings:

- Order category (production and process order)
- Transaction for which an authorization check is carried out
- Lists that can be selected (in other words, you can define the initial list, for example, components, operations and so on)
- Functions that can be selected (for example, close)
- Mass processing active
- Old ALV display

For example, you could create your own transaction in the customer namespace and limit the authorizations in the selection screen variant to costing in mass maintenance.

**Overview of the Variants**
You can use the report PPIO_ENTRY_VARIANT_DISPLAY to display an overview of variants and their technical settings. For example, you can view information about which output list, which overall profile, and which layout have been chosen as presets.

If no overall profile has been chosen, the system uses the overall profile from the user defaults, (SET/GET parameter IOC) or the last overall profile that was used.

If no layout has been specified, the system automatically uses the default or standard layout.

See also

For more information, see the SAP Library under Production Orders (PP-SFC) under Order Information System -> Individual Object Lists -> Definition of Variants and under Mass Processing of Process and Production Orders.

18.8 PP-KAB KANBAN

18.8.1 Kanban (Enhanced)

Use

As of SAP ECC 6.0, SAP_APPL 600, you can use the following additional functions for kanban:

- Improved processing of control cycles
- Print control cycles
- Fast data entry of production supply areas
- Process authorizations for status changes in kanban board
- Mass processing for deleting event-driven kanban

You can manage the storage location of the production supply area with the Warehouse Management system (LE-WM).

You can store packing instructions in control cycles that the system takes into consideration when creating the kanban.

Effects on Customizing

To use these additional functions for the kanban process, you must change the following settings for production in the Implementation Guide (IMG):
- If you want to use mass processing for deleting event-driven kanban, you can make the relevant standard settings for the deletion report. To do so, use the process step Set Deletion for Event-Driven Kanbans.

- If you want to use the Warehouse Management system for storage locations for kanban, assign the plants and the storage locations to the warehouse number. To do so, use the process step Assign Warehouse Number to Plant/Storage Location. You may need to define new storage types.

- If you want to store packing instructions in control cycles, you must define the packing instruction usage in the control cycle. Use the following process steps, depending on your replenishment strategy:
  - Define In-House Production Strategies
  - Define External Procurement Strategies
  - Define Stock Transfer Strategies

See also
For more information, see the SAP Help Portal under help.sap.com -> Documentation -> mySAP ERP -> ECC 6.0 -> SAP ERP Central Component -> Logistics -> Production Planning and Control (PP) -> PP - KANBAN.

18.8.2 Business Add-Ins for Kanban (New)

Use
As of SAP ECC 6.0, SAP_APPL 600, you can use the following Business Add-Ins (BAdIs) for kanban:

- BAdI: Displaying User-Specific Data When Creating Kanbans/SumJCs
- BAdI: Consider Additional Requirements in Kanban Calculation
- BAdI: Defining User-Specific Select. Screens f. Maintaining Control Cycles
- BAdI: Canceling Kanbans
- BAdI: Scheduling Summarized JIT Calls

Effects on Customizing
To implement the BAdIs, choose Production -> KANBAN -> Business Add-Ins (BADIs) in the Implementation Guide (IMG), and follow the instructions in the IMG documentation.
18.9 PP-REM  Repetitive Manufacturing

18.9.1 Business Add-In for Backflush in Repetitive Manufacturing (New)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use the Business Add-In (BAdI) Goods Movements in Backflush (RM_BFLUSH_GOODSMVT) in Repetitive Manufacturing to modify the automatically determined goods movements in the backflush according to your own requirements, or to add new goods movements.

Effects on Customizing

You can find the BAdI in Customizing for Repetitive Manufacturing under Business Add Ins for Repetitive Manufacturing.

See also

For more information, see the documentation on the BAdI RM_BFLUSH_GOODSMVT.

18.10 PP-PI  Production Planning for Process Industries

18.10.1 Use of the SAP List Viewer (Changed)

Use

As of SAP ECC 6.0, SAP_APPL 600 you have the option of using the SAP List Viewer in the following transactions:

- CA70 - Use of PRT in Task Lists
- CA72 - PRT Usage in PM Routings
- CA75 - Replace PRT in Task Lists
- CA77 - PRT Mass Change in PM Routings
- CA80 - Work Center Where-Used
- CA82 - Work Center Where-Used (for plant maintenance or customer service)
- CA85 - Replace Work Center
- CA87 - Replace Work Center (for plant maintenance or customer service)
- CA90 - Use of Reference Operation Set in Task Lists
- CA95 - Replace Reference Operation Set (in task lists)

To do this, choose System -> User Profile -> Own Data and set parameter ACC_MODE to X.

This makes the following changes for all transactions:
- On the initial screen, the Choose overview variant pushbutton is missing. This means that you cannot influence the display structure.
- You cannot print the display structure.
- To display information in the objects in a task list, choose Choose or Detail.
- You can no longer display information about the task list header or the sequence (CA70 or CA75) in a task list by using a checkbox. Instead, you choose Choose or Detail. You see information about the selected object. By choosing Back, you display more information about the selected task list.

The following changes apply to mass replacement (CA75, CA85, CA95):
- You can no longer make changes in the overview.

See also
For more information, see the SAP Library for the component.

18.10.2 PP-PI-POR Process Order

18.10.2.1 Search Help for Manufacturing Orders (Changed)

Use
As of SAP ECC 6.0 (SAP_APBCL 600) you can use the revised search help Production Orders Using the Info System or Process Orders via Info System.

You can use this search help in order processing, in the archiving preprocessing program PPARCHP1, in the archiving program PPARCHA1, or in the confirmation for the production order.

- After you have called the search help Production Orders Using the Info System or Process Orders via Info System the system displays the selection screen of the order information system. On the initial screen you can choose which type of list (for example, components) is used to display the search results.
You can now use multiple selection to search for and select multiple orders and to transfer them to the multiple selection results. Until now, it was not possible to make a multiple selection using this search help.

- The default layout for the output list is used to display the search results. In contrast to the order information system, you cannot specify a layout for the list.

- When the user calls the search help, the system carries out an authorization check for the order information system (transaction COOIS or COOISPI).

18.11 PP-IS Information System

18.11.1 Improvements in the Order Information System and Mass Processing (New/Enhanced)

Use

As of SAP ECC 6.0 (SAP_APPL 600) you can use the following functions in the order information system:

- **Comprehensive Authorization Check on Transaction-Level (New)**
  As of SAP ECC 6.0, the system carries out an authorization check for the transaction that is stored in the selection screen variant when the user selects a selection screen variant of another transaction in: mass processing, the order information system, background printing or productions orders, release of production orders, collective availability check, and so on. You can use the report PPIO_ENTRY_VARIANT_DISPLAY for an overview of the transactions in which selection screen variants have been entered. For authorized users, you can define in Customizing that the user receives an information message if he or she selects a selection screen variant of another transaction. You can define the type of this message COIS 016 in Customizing for Shop Floor Control under Define System Message Attributes.

- **Search Help for Production Orders (Enhanced)**
  For more information, see the Release Note Search Help for Manufacturing Orders.

- **Output List of the Order Information System and Mass Processing Standardized with Standard ALV Functions (Enhanced)**
  The new display of the lists differs from the previous display in the following ways:

    - The individual object lists and the object overview have been adjusted to improve performance and decrease the amount of memory used, especially when the lists are large.
- In addition, the application toolbar has been revised and made clearer. You can now display or hide standard list functions using a pushbutton.

- In the individual object lists, you can find the Environment Menu in the application toolbar. You can use this to access the operation or component overview, the status, logs, or the Current Stock/Requirements List.

- In the order header list, the system displays an icon for the order in a separate column. This replaces the different colors used to indicate what sort of order was being displayed in the order header list (for example, production or process orders, or planned orders.)

- In the output list of mass processing you can find the Mass Processing Menu in the application toolbar. You can use this menu to carry out the selection function in mass processing, to display and change the selected settings, and to call the log of the last mass processing.

- As a result of the switch to standard ALV, the individual object lists no longer support profiles; instead, layouts are used. The user can create and change the layout directly in the function meaning that no Customizing settings are necessary. It may be necessary to create new layouts that are identical to the profiles that were previously used.

  - If no layout has been stored in the selection screen variant, the system automatically uses the default layout.
  - If no default layout is available, the standard layout is used.

As a default, the "old" display with profiles is no longer used. If the user selects selection screen variants that contain profiles, the system automatically uses the default or standard layout.

- If you still want to use profiles, you must activate the old ALV display in the corresponding selection screen variant of the report PPIO_ENTRY.

  - You can use the report PPIO_ENTRY_VARIANT_DISPLAY for an overview of the existing selection screen variants and to display which variant the "old" display uses.

- You can use the Business Add-In WORKORDER_INFOSYSTEM to influence the layout-based object overview and the new individual object lists.

- Selection at Component-Level Also Possible Using Requirements Date and Missing Parts Indicator (Enhanced)
  At component-level, you can now also make selections using the requirements date and the missing parts indicator. This integrates the missing parts system (transaction CO24) into the order information system.

- Reduced Reading for Planned Orders (New)
  Reduced reading is now also supported for planned orders. Reduced reading takes only dependent objects that match the specified selection criteria into account.

  - For more information, see the documentation on the data element Reduced Reading.

- Missing Parts Information System and Picking List Integrated in the Order Information System and Mass Processing (New)
  The missing parts information system (transaction CO24), the picking list (CO27), and the picking list PI (COIK) are now integrated into the order information system and mass processing by means of selection screen variants and layouts.

  - For these functions, the following selection screen variants with new standard layouts for the component list are available:

    - SAP&MPART Missing parts list (CO24)
In the selection screen *Mass Processing - Picking*, you can define that only components that can be picked are selected.

**Display of all Individual Object Lists in Mass Processing (Enhanced)**
As in the order information system, you can now select all individual lists as well as the object overview in mass processing. In other words, you can also choose individual lists that do not support mass processing. For these lists, the *Mass Processing* tab page is not displayed.

If you select the *Object Overview*, the system displays the *Object Selection* tab page, in addition to the *Selection* and *Mass Processing* tab pages.

In the output of the object overview, you can then only carry out mass processing for the individual list *Order Headers*.

**Log in Mass Processing in the Dialog (New)**
Until now, a log was only issued automatically for batch jobs.

You can now also automatically issue a log for mass processing in the dialog. If you make this setting on the *Mass Processing* tab page, the system automatically branches to the display of the log, once mass processing has finished.

**Display Archived Process and Production Orders with Document Links and Purchase Requisitions (Enhanced)**
When displaying archived data, you can now also display document links and purchase requisitions.

To do this, use a layout-based overall profile.

**Display All Individual Lists in Order Processing (Enhanced)**
When you access the object overview from order processing (transactions CO01, CO02 or CO03), it is now possible to select all individual lists. To do this, use a layout-based overall profile.

You can also select individual lists that you cannot change in order processing, for example, confirmations.

**Effects on System Administration**

**Technical Settings**
You can display and change selection screen variants in the variant maintenance of the report PP00_ENTRY.

You can display and change the following values in the technical settings:

- Order category (production and process order)
- Transaction for which an authorization check is carried out
- Lists that can be selected (in other words, you can define the initial list, for example, components, operations and so on)
- Functions that can be selected (for example, close)
- Mass processing active
- Old ALV display

For example, you could create your own transaction in the customer namespace and limit the authorizations in the selection screen variant to costing in mass maintenance.

**Overview of the Variants**

You can use the report PPIO_ENTRY_VARIANT_DISPLAY to display an overview of variants and their technical settings. For example, you can view information about which output list, which overall profile, and which layout have been chosen as settings.

If no overall profile has been chosen, the system uses the overall profile from the user defaults, (SET/GET parameter IOC) or the last overall profile that was used.

If no layout has been specified, the system automatically uses the default or standard layout.

**See also**

For more information, see the SAP Library under *Production Orders (PP-SFC)* under *Order Information System -> Individual Object Lists -> Definition of Variants* and under *Mass Processing of Process and Production Orders.*