

Release Notes
for
SAP enhancement package 6
for **SAP ERP 6.0,**
version for **SAP HANA**



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BC Basis Components

BC-ILM Information Lifecycle Management

RW Integration with BW on SAP HANA (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0, RW integration with BW on SAP HANA is available. This integration enables you to generate optimized queries that can be run on the generated Data Store Objects.

The following are the software components that support RW integration with BW on SAP HANA.

- o SAP_BW 7.40, SAP_BW 7.31 SP06
- o SAP_ABA 7.40, SAP_ABA 7.31 SP06

For more information, see SAP Note 1774426 at <http://service.sap.com/notes>.

Effects on Existing Data

On the **Extract to BW** screen, the new **Generate Optimized Content** checkbox is available to define that the system generates the DSO objects with the optimized content. The system also prompts you to enter the source *InfoProvider*.

Effects on Customizing

To generate optimized queries, you must assign the InfoObjects for reuse in Customizing under *Retention Warehouse -> Settings for Audit Package Extraction to BW -> Audit-Area-Dependent Settings -> Assign InfoObjects for Reuse*.

To call up the optimized BW queries in the Portal with a Launchpad or in NW Business Client, you must choose the appropriate settings in Customizing under *Retention Warehouse -> Launchpad Settings*.

See also

SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erphana>. Choose a release and then Application Help. In SAP Library, choose SAP ERP Cross-Application Functions -> Cross-Application Components -> SAP NetWeaver Information Lifecycle Management:

- o *Making SAP NetWeaver ILM Available -> Preparing to Use the Retention Warehouse System -> Preparing to Use BW Queries in Retention Warehouse -> Making the Configuration Settings for BW Queries in Retention Warehouse*
- o *Using ILM Retention Warehouse for System Decommissioning -> Enabling and Executing Access to Legacy Data in the RW System*
 - o *Processing Audit Packages -> Extracting Data from an Audit Package to the BW System*
 - o *Retrieving Data from the ILM Store of the RW System Using BW Queries*

FI Financial Accounting

Due Date Analysis - Create Evaluations (Subroutine Pool) (New)

Use

As of SAP ERP on HANA 1.0, a new program, RFDRRE01H, is available. This program is a copy of the program RFDRRE01. Both programs have the same functional scope but program RFDRRE01 includes performance optimizations. For more information, see **RFDRRE01H**.

RFDRRSELH (New)

Use

As of SAP ERP on HANA 1.0, a new program, RFDRRSELH, is available. This program is a copy of the program RFDRRSEL. Both programs have the same functional scope but program RFDRRSELH includes performance optimizations. For more information, see **RFDRRSEL**.

FI-GL General Ledger Accounting

Line Item Browsers for FI and EC-PCA (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), in addition to existing line item reports, you can use line item browsers for flexible analysis of aggregated line item information.

Effects on Existing Data

You can use the following line item browsers:

- o **G/L Account Line Item Browser**, transaction FBL3H
- o **Vendor Line Item Browser**, transaction FBL1H
- o **Customer Line Item Browser**, transaction FBL5H
- o **G/L Account Line Item Browser (G/L View)**, transaction FAGLL03H
- o **Profit Center Line Item Browser**, transaction KE5ZH

Virtual InfoProviders for Financial Accounting and Profit Center Accounting (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can generate virtual InfoProviders that enable you to perform flexible analyses of aggregated line item information using reporting tools such as SAP BO Analysis, Crystal Reports, or BEx Queries.

Effects on Existing Data

You use the following new transactions:

- o **Generate Virtual InfoProviders in General Ledger**: Transaction FAGL_VPROV
- o **Generate Virtual InfoProvider PCA**: Transaction RCOPCA_VPROV

Invoice Numbers Allocated Twice (New)

Use

As of SAP ERP on HANA 1.0, a new report, RFBNUM10H, is available. This report is a copy of the report RFBNUM10. Both reports have the same functional scope but report RFBNUM10H includes performance optimizations. For more information, see **RFBNUM10**.

Optimization of the Logical Databases BRF and SDF (Changed)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), the following logical databases are optimized:

- o Document Database (BRF)
- o G/L Account Database (SDF)

Performance is improved for SAP reports as well as custom reports that are based on

these **logical databases**.

Document Database (BRF)

In the logical database BRF, a large number of single document accesses have been reduced into one database access. Here are some examples of reports that are based on the logical database BRF:

- o RFAUSZ00 (customer statement, vendor statement, or G/L account statements)
- o RFEPOJ00 (line item journal)
- o RFBUEB00 (document list)

Furthermore, the following reports have also been optimized in case only totals need to be displayed:

- o RFBELJ00 (compact document journal)
- o RFBELJ10_NACC (document journal)
- o RFHABU00 (general ledger from the document file)

The Business Add-In (BAI) FI_AUTHORITY_ITEM for the extended authorization check for document display (FB03) has also been optimized from the point of view of performance. If you have implemented this BAI and would like to use the optimized reports for displaying documents, you need to implement the new methods of this BAI. For more information, see the BAI documentation under **FI_AUTHORITY_ITEM**.

G/L Account Database (SDF)

In the logical database SDF, the number of database accesses has been reduced considerably. In cases when it was advantageous to do so, parts of processing was moved to the database. In new General Ledger Accounting in particular, this leads to a noticeable improvement of performance.

Here are some examples of reports that are based on the logical database SDF:

- o RFBILA00 (financial statements)
- o RFSUSA00 (G/L account balances)
- o RFSSLD00 (G/L account balances)

See also

See also the documentation on the logical databases

- o **Document Database (BRF)**
- o **G/L Account Database (SDF)**

FI-AR Accounts Receivable

Line Item Browsers for FI and EC-PCA (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), in addition to existing line item reports, you can use line item browsers for flexible analysis of aggregated line item information.

Effects on Existing Data

You can use the following line item browsers:

- o **G/L Account Line Item Browser**, transaction FBL3H
- o **Vendor Line Item Browser**, transaction FBL1H
- o **Customer Line Item Browser**, transaction FBL5H
- o **G/L Account Line Item Browser (G/L View)**, transaction FAGLL03H
- o **Profit Center Line Item Browser**, transaction KE5ZH

Virtual InfoProviders for Financial Accounting and Profit Center Accounting (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can generate virtual InfoProviders that enable you to perform flexible analyses of aggregated line item information using reporting tools such as SAP BO Analysis, Crystal Reports, or BEx Queries.

Effects on Existing Data

You use the following new transactions:

- o **Generate Virtual InfoProviders in General Ledger**: Transaction FAGL_VPROV
- o **Generate Virtual InfoProvider PCA**: Transaction RCOPCA_VPROV

CHIPs for Home Page of Accounts Receivable Accounting (new)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL 616), the following new CHIPs are available in the CHIP catalog:

- o Outstanding amounts by dunning level
- o Outstanding amounts for each payment difference reason code
- o Top n customers with dunning level
- o Top n customers with overdue outstanding amounts

The last three evaluations above are based on report **Top Lists of Customers with Open Items (FIN_AR_DUE_DATE_GRID)**; you can call the report direct using transaction SA38.

FI-BL Bank Accounting

Free Text Search for Open Items (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (EA-APPL 616), you can use a new search function when postprocessing electronic bank statements.

You can find it in transaction FEBA_BANK_STATEMENT, which you can access from the **SAP Easy Access** screen under **Accounting -> Financial Accounting -> Banks -> Incomings -> Bank Statement -> Postprocessing**.

Note that you can use the existing **Read More Items** pushbutton to search for more open items. The new free text search, however, offers the advantage that you do not need to specify in which field the system is to search. You can combine the new search function with the existing one.

Effects on System Administration

As a prerequisite for the new free text search, you need to activate the business function **FI-BL, Importing and Postprocessing of the Electronic Bank Statement** (FIN_BL_EB_1).

FI-AA Asset Accounting

Optimizations in Asset Accounting (Changed)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), data access in reporting for Asset Accounting has been accelerated.

Effects on Existing Data

- o The **Consistency Check of General Ledger and Asset Accounting** report (transaction ABST) can be used to reconcile all FI accounts with assets when table BSEG is transparent. This requirement is met when SAP HANA is used. Furthermore, the reconciliation is significantly faster than before. Transaction ABST is available on the **SAP Easy Access** screen under **Accounting -> Financial Accounting -> Fixed Assets -> Environment -> Problem Analysis -> G/L Reconciliation**.
- o Reconciliation program FI-AA (transaction ABST2) – significantly faster reconciliation. Transaction ABST2 is available on the **SAP Easy Access** screen under **Accounting -> Financial Accounting -> Fixed Assets -> Periodic Processing -> Year-End Closing -> Account Reconciliation**. For more information, see SAP Note 1741719.
- o Reporting using logical database ADA – significant acceleration of totals lists at the end of the year and of individual lists when selection fields are used to restrict selection further. For more information, see SAP Note 1653037.
- o With the asset history sheet (RAGITT_ALV01) and the asset list (RABEST_ALV01), the **Current book value** or **Posted depreciation** indicators can now be used to make selections for each period end (also retrospectively). This also accelerates the totals list for each period end (including those from closed fiscal years). The transactions for the asset history sheet and the asset list are available on the **SAP Easy Access** screen under **Accounting -> Financial Accounting -> Fixed Assets -> Information System Reports on Asset Accounting**, for example, under **Asset Balances** and **Notes to Financial Statements**. For more information, see SAP Note 1653042.
- o Archiving
Depreciation posting values (ANLP) are stored in the system for an additional year so that the functions mentioned above for retrospective reporting are also supported for the last closed fiscal year. For more information, see SAP Note 1743628.

Effects on Data Transfer

Acceleration and performance can be maximized by means of the following selection options:

- o Always calling the report at the end of the business year with the **group totals only** option, when possible
- o Always running mid-year reporting at period end with the **Current book value** indicator for the asset list or **Posted depreciation** for the asset history sheet, and with the **group totals only** option

You can include individual assets in the results list by using the drilldown function.

- o When you select individual assets (by choosing **List assets** on the selection screen), you should ensure you always specify additional restrictions or use the options mentioned above to select first using group totals and then navigate further using the drilldown.

See also

SAP Library for SAP ERP on SAP Help Portal under <http://help.sap.com/erp>. Select a release and then choose **Application Help**. In SAP Library for SAP ERP, choose:

- o **SAP ERP Central Component -> Financials -> Financial Accounting (FI) -> Asset Accounting (FI-AA) -> Information System**
- o **SAP ERP Cross-Application Functions -> Scenarios in Applications -> Data Archiving (CA-ARC) -> Financial Accounting (FI) -> Archiving FI Asset Data (FI-AA)**

CO Controlling

CO-OM Overhead Cost Controlling

Hierarchy Views for Accelerated Processing (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can generate hierarchy views (hierarchical displays) for the following hierarchies (sets) that enable accelerated processing in Report Writer and drilldown reporting:

- o Cost center groups
- o Cost element groups
- o Order groups
- o Profit center groups
- o Account groups

Effects on Existing Data

You can find the new "Generate Hierarchy View" function in the respective group maintenance transaction in the menu **Extras -> Check and Help Functions -> Generate Hierarchy View**.

Group Maintenance Transactions:

- o **Cost center groups:** KSH1/KSH2
You can find these transactions on the **SAP Easy Access** screen, under **Controlling -> Cost Center Accounting -> Master Data -> Cost Center Group -> Create/Change**.
- o **Cost element groups:** KAH1/KAH2
You can find these transactions on the **SAP Easy Access** screen, under **Controlling -> Cost Element Accounting -> Master Data -> Cost Element Group -> Create/Change**.
- o **Order groups:** KOH1/KOH2
- o **Profit center groups:** KCH1/KCH2
You can find these transactions on the **SAP Easy Access** screen under:
 - **Controlling -> Profit Center Accounting -> Master Data -> Profit Center Group -> Create/Change**.
 - **Enterprise Controlling -> Profit Center Accounting -> Master Data -> Profit Center Group -> Create/Change**.
- o **Account groups:** KDH1/KDH2

CO Line Item Reports for Actual and Plan Data (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can use new line item reports. These line item reports allow you to navigate better in the results list. This means you can drill down to a group or a single object from the navigation bar when you start with a group (variation). The display variants for the list (layouts) can also be selected directly in the list.

Effects on Existing Data

- o Use transaction KSB1N instead of transaction KSB1.
You can find transaction KSB1N on the **SAP Easy Access** screen under **Controlling -> Cost Center Accounting -> Information System -> Reports for Cost Center Accounting -> Line Items -> Cost Centers: New Actual Line Items**.
- o Use transaction KSBPN instead of transaction KSBP.
You can find transaction KSBPN on the **SAP Easy Access** screen under **Controlling -> Cost Center Accounting -> Information System -> Reports for Cost Center Accounting -> Line Items -> Cost Centers: New Plan Line Items**.
- o Use transaction KOB1N instead of transaction KOB1.
You can find transaction KOB1N on the **SAP Easy Access** screen under **Controlling -> Internal Orders -> Information System -> Reports for Internal Orders -> Line Items -> Orders: New Actual Line Items**.
- o Use transaction KOBPN instead of transaction KOBP.
You can find transaction KOBPN on the **SAP Easy Access** screen under **Controlling -> Internal Orders -> Information System -> Reports for Internal Orders -> Line Items -> Orders: New Plan Line Items**.

See also

- o SAP Note 1644201
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose a release and then **Application Help**. In the SAP Library, choose **SAP ERP Central Component**.
In the SAP Library for SAP ERP, choose **SAP ERP Central Component -> Financials -> Controlling (CO) -> Cost Center Accounting (CO-OM-CCA) -> Information System (CO-OM) -> Important Standard Reports in Cost Center Accounting -> Line Item Report ->**
 - **Cost Centers: Actual Line Item Report**
 - **Cost Centers: Plan Line Item Report**
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose a release and then **Application Help**. In the SAP Library, choose **SAP ERP Central Component**.
In the SAP Library for SAP ERP, choose **SAP ERP Central Component -> Financials -> Controlling (CO) -> Internal Orders (CO-OM-OPA) -> Information System for Internal Orders -> Report Types for Internal Orders -> Line Item Report**.

CO-PC Product Cost Controlling

Material Ledger Drilldown Reporting (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can draft and display reports for the monthly costs of materials in drilldown reporting for the material ledger. The reports can also contain aggregated information on material classes or periods.

Effects on Existing Data

You use transaction KKML0 to execute the drilldown reports.

Effects on Customizing

You can define new reports with the general drilldown reporting tool in Customizing for **Controlling -> Product Cost Controlling -> Actual Costing/Material Ledger -> Reporting -> Drilldown Reporting**.

The following Customizing activities are new:

- o **Maintain Global Variables**
- o **Maintain Key Figures**
- o **Maintain Forms**
- o **Maintain Drilldown Reports**
- o **Client Copy of Forms and Reports**
- o **Transport of Forms and Reports**
- o **Reorganization**

See also

- o SAP Note: 1654255
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose **SAP ERP Central Component -> SAP ERP Component**. In the SAP Library for SAP ERP, choose **SAP ERP Cross-Application Functions.-> Cross-Application Components -> CA Drilldown Reporting**.

Monitor Availability Control for Investment Programs (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can obtain a summary overview of the values of the active availability control. At the same time, you can compare the relevant budget values and assigned values of all orders and WBS elements for a particular investment program (or subtree of an investment program) in real time.

Optionally, by using a hybrid database (HDB) such as the SAP HANA database, you can also process large datasets in real time.

Effects on Existing Data

Use the new transaction IM_AVCHANA.

You can find transaction IM_AVCHANA on the **SAP Easy Access** screen under

Accounting -> Investment Management -> Programs -> Information System -> Investment Management Reports -> Programs - Current Data -> Monitor Availability Control for Investment Programs.

See also

- o SAP Note 1652021
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose **SAP ERP Central Component**, a release, and then **Application Help**. In the SAP Library for SAP ERP, choose **SAP ERP Central Component -> Financials -> Investment Management (IM) -> IM – Information System -> Standard Reports -> Monitor Availability Control -> Monitor Availability Control for Investment Programs**.

Monitor Availability Control for Orders (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can obtain a summary overview of the values of the active availability control. At the same time, you can compare the relevant budget values and assigned values of a selected number of orders in real time. You can also break the values down by specific characteristics from the order master data.

Optionally, by using a hybrid database (HDB) such as the SAP HANA database, you can also process large datasets in real time.

Effects on Existing Data

Use the new transaction IM_AVCHANA_ORD.

You can find transaction IM_AVCHANA_ORD on the **SAP Easy Access** screen under **Accounting -> Investment Management -> Programs -> Information System -> Investment Management Reports -> Programs - Current Data -> Monitor Availability Control for Orders**.

See also

- o SAP Note 1697439
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose **SAP ERP Central Component**, a release, and then **Application Help**. In the SAP Library for SAP ERP, choose **SAP ERP Central Component -> Financials -> Controlling (CO) -> Internal Orders (CO-OM-OPA) -> Planning -> Availability Control -> Monitor Availability Control for Orders**.

Monitor Availability Control for WBS Element (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can obtain a summary overview of the values of the active availability control. At the same time, you can compare the relevant budget values and assigned values of a selected number of WBS elements in real time. You can also break the values down by specific characteristics from the WBS element master data.

Optionally, by using a hybrid database (HDB) such as the SAP HANA database, you can also process large datasets in real time.

Effects on Existing Data

Use the new transaction IM_AVCHANA_WBS.

You can find transaction IM_AVCHANA_WBS on the **SAP Easy Access** screen under **Accounting -> Investment Management -> Programs -> Information System -> Investment Management Reports -> Programs - Current Data -> Monitor Availability Control for WBS Element**.

See also

- o SAP Note 1697441
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose **SAP ERP Central Component**, a release, and then **Application Help**. In the SAP Library for SAP ERP, choose **SAP ERP Central Component ->Financials -> Project System (PS) -> Costs -> Availability Control -> Monitor Availability Control for WBS Element**.

Report for the Display of Non-Distributed Price Differences (Enhanced)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can use a new report to display non-distributed price differences. This new report can take over some of the tasks that have been handled up to now by the value flow monitor (transaction CKMVFM). The value flow monitor sometimes experienced very long runtimes when displaying data from accounting or for many materials or many postings. The new report for the display of non-distributed price differences benefits from the particular strengths of column-based, memory-resident databases such as the SAP HANA database.

Effects on Existing Data

Use transaction CKMPDB instead of transaction CKMVFM.

See also

- o SAP Note 1748452

Virtual InfoProviders for Material Ledger (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), you can use virtual InfoProviders to use information from the ERP system without first extracting it to a BI system in applications that normally work on BI queries. These applications include Bex Analyzer, SAP BO Analysis for Microsoft Office, and SAP Dashboard Design. Virtual InfoProviders provide the data in real time.

The reports can display total production costs and production costs per product detail with the option of expanding various dimensions such as brands and product codes. Dynamic selection criteria can include country, period, plant, and customer-specific classification parameters such as size and product line.

See also

- o SAP Note 1654843
- o /ML1/COPCACT_1: Provides aggregated data for selection of material, extended by additional material properties and information about procurement alternatives and usage processes.
- o /ML1/COPCACT_2: Adds cost component information to the data from /ML1/COPCACT_1. The information provided in this virtual InfoProvider is comparable to the content of the **Actual Cost Component Split** (OCO_PC_ACT_10) DataSource that is documented in the BI content under

Product Cost Controlling.

- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose a release and then **Application Help**. In the SAP Library, choose **SAP ERP Central Component**. In the SAP Library for SAP ERP, choose **SAP ERP Central Component -> Financials -> Controlling (CO) -> Internal Orders (CO-OM-OPA) -> Information System for Internal Orders**.

SAP HANA Optimization of Product Costing Reports (New)**Use**

The *Execute Product Costing Report (KKO0)* transaction is an existing transaction that provides 42 drill-down reports to analyze production (order) related costing data. Before using transaction **KKO0**, you use the *Data Collection for Product Drilldown (KKRV)* transaction to collect the data.

As of SAP enhancement package 6 for SAP ERP 6.0, SAP HANA SAP_APPL 616, you can generate the data used in transaction **KKO0** to analyze production related costing data faster. The **KKRV** transaction is no longer used. Instead, the *Production Cost Analysis (OCO_PC_10)* DataSource is used to generate the data used by transaction **KKO0** faster than **KKRV**.

Effects on Existing Data

The business data shown in these 42 reports or any additional reports you have defined using the transaction **KKO0** has not changed. Only the process to collect the data has changed.

For an existing customer installation running with transaction **KKRV** and upgrading to SAP_APPL 616, transaction **KKO0** uses the DataSource **OCO_PC_10** as soon as the data is replicated. If you do not replicate the DataSource **OCO_PC_10**, transaction **KKO0** continues to use transaction **KKRV** to collect the data.

For more information about how to replicate DataSources, see the SAP HANA installation guide for ETL-based Data Acquisition by SAP HANA Direct Extractor Connection on SAP Service Marketplace at <http://service.sap.com/hana>.

FIN Financials

FIN-FSCM-TRM Treasury and Risk Management

Business Function TRM, Performance Optimization (Reversible)

FIN_TRM_PERF_OPT: TRM, Performance Optimization (Reversible) (New)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0** (EA-FINSERV 616), business function **TRM, Performance Optimization (Reversible)** (FIN_TRM_PERF_OPT) the processing speed for the determination of the position values has been improved by performing aggregations on the database. This affects, for example, the position list and the valuation and leads there to a marked improvement of performance.

In addition this business function offers you the new *Flexible Position List* that allows you to call up your current financial positions quickly and enables you to report your financial positions on the aggregation level you choose.

Note:

The functional correctness of the new determination of position values had been verified by intensive testing, however in very rare cases (e.g. data inconsistency), the changed selection logic could determine different position values.

Effects on Existing Data

New Functions

You find the new **Flexible Position List** (transaction TPM12H) in the area menu of **Treasury and Risk Management**

- o under **Transaction Manager -> Money Market / Foreign Exchange / Derivatives / Commodities / Securities / Debt Management -> Information System -> Position**
- o under **Transaction Manager -> Information System -> Reports -> Position**
- o under **Financial Risk Management for Commodities -> Information System -> Position**

Changed Functions

The following functions are affected by the performance optimizations.

- o **Position List** (transaction TPM12)
- o **Execute Valuation** (transaction TPM1)
- o **Simulated Valuation** (transaction S_ALN_01001154)
- o **Day End Processing** (transaction KLNACHT)

The performance improvement is achieved by moving workload from the application server to the database and by enabling bulk processing and buffering. In particular the determination of the position values has been improved by performing aggregations on the database.

In addition new append search helps for security IDs and Commodities are available in the following functions:

- o **Maintain Class Data** (transaction FWZZ)
- o **Create Financial Transactions** (transaction FTR_CREATE)
- o **Maintain Commodities** (transaction FCZZ)

Effects on System Administration

- o If you run the **Treasury and Risk Management** for several releases now, you need to run report RTPM_ADJUST_FI_DATES_TRL to ensure that all positions are updated with the correct posting data.
- o By activating the business function you significantly change the selection path of data within the position management. Due to bulk processing and buffering the memory consumption on the application might increase. You need to test you core business processes to ensure your memory configuration on the application server fits to the changed memory consumption.

Effects on Customizing

In the **SAP Implementation Guide for Database Providers** (transaction SPRO_DB) under **Financial Supply Chain Management -> Treasury and Risk Management**, the following activities are available for database providers, which gives the necessary information to implement SAP-HANA-specific optimizations on other database systems:

- o Business Add-Ins
BAdI: Optimize Treasury Ledger DB System Specific
- o Append Search Helps
Append Search Help for Security IDs
Append Search Help for Commodity IDs

SD Sales and Distribution

Business Function SD, Replacement of Rebate Index

LOG_SD_REBATE_INDEX: SD, Replacement of Rebate Index (New)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA**, you can use the business function **SD, Replacement of Rebate Index** (LOG_SD_REBATE_INDEX). This business function is used to optimize the determination of billing documents during rebate processing. Billing document determination no longer takes place using index table VBOX, but using the application tables in the **Sales and Distribution** component (SD).

Effects on Existing Data

The redundant status of the rebate-relevant billing documents are no longer required in table VBOX. Once the business function has been activated, no new data is entered in table VBOX.

Effects on Customizing

If you want to determine billing documents using the application tables, you have to execute the following Customizing activities in Customizing for **Sales and Distribution** under **Billing -> Rebate Processing**:

- **Billing Document Determination: Standard Mapping**
You can check the assignment of the access fields to the origin fields of the original application tables in the standard system.
- **Billing Document Determination: Customer-Specific Mapping**
You can assign the access fields to specific customers in order to override or enhance the standard mapping.
If the pricing-relevant data is manipulated, it is necessary to perform customer-specific mapping. This occurs when, for example, user exits or customer enhancements exist for communication structure KOMG.
- **Create Billing Index**
If new **retroactively** effective accesses are created, you have to create the rebate index from new.
- **Business Add-Ins (BAdIs) -> BAdI: Enhancements for Rebate Processing (In-Memory Version)**
You can use this BAdI to enhance billing document determination without using index table VBOX.

See also

SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp> -> **ERP Central Component -> SAP ERP Enhancement Packages -> ERP Central Component Enhancement Package 6 -> Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0, Version for SAP HANA) -> Enterprise Business Functions -> Logistics -> Sales and Distribution**

Business Function Sales and Distribution, Optimization of Lists

LOG_SD_REPORT_OPT: Sales and Distribution, Optimization of Lists (New)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0 (SAP_APPL 616)**, you can use the business function **Sales and Distribution, Optimization of Lists** (LOG_SD_REPORT_OPT). You can use this business function to better create comprehensive lists of sales and distribution documents for your company-specific tasks in sales and invoicing.

You get an optimized version for the respective reports. Changes have been made for some optimized reports. For example, you have to carry out additional IMG activities and you can implement business add-ins. Also note any functional enhancements or restrictions.

In Customizing for *Sales and Distribution*, you can activate and deactivate each report separately. Here you can also find the complete list of available optimized reports.

The following overview lists the most important optimized reports with the corresponding transaction codes:

Sales

For this area, you can activate the following reports separately:

- o Transaction VA05: **List of Customer Orders**
Report SD_SALES_DOCUMENT_VIEW
If you activate the optimized version of the **List of Customer Orders** (transaction VA05), you can access the following **new functions**:
 - On the **selection screen**, you can use more selection fields, which are organized to provide you with a better overview.
 - The **selection results** are displayed using the new SAP List Viewer. This allows you to process the list with more versatility and change the layout in different ways.
You can use the business add-in **Badi: Adjust Selection Results** (BADI_SDOC_WRAPPER) to adjust the selection fields and selection results data to best suit your activities.
The **Mass Change** function and the functions under **Environment** in the SAP menu are **not** available in the search results. Selection by open items is **not** supported.
Note that after activation of the optimized version, you can **no longer** use customer enhancements or customer-specific selection and layout variants.
- o Transaction V23: **SD Documents Blocked for Billing**
Report SDFAKSPE
- o Transaction VA14L: **Sales Documents Blocked for Delivery**
Report SDLIEFSPE

Credit management

If you activate the optimized version of report RVKRED01, the following transactions run as optimized versions:

- o Transaction VKM1: **Blocked SD Documents**
- o Transaction VKM2: **Released SD Documents**

- o Transaction VKM3: **Sales Documents**
- o Transaction VKM4: **SD Documents**
- o Transaction VKM5: **Deliveries**

Billing

For this area, you can activate the following reports separately:

- o Transaction VF05: **List of Billing Documents**
Module Pool SAPMV65A
- o Transaction VF04: **Maintain Billing Due List**
Report SDBILLDL
The following customer-specific implementations are **not** executed for the enhancement spot ES_SAPLV05H:
 - READ_VKDFS_VKDFI_VF_01_11
 - READ_VKDFS_VKDFI_VF_01_12
 - READ_VKDFS_VKDFI_VF_01_13
- o Transaction V.21: **Log of Collective Run**
Report SDSAMPRO

Effects on Existing Data

A new selection screen is available for transaction VA05 **List of Customer Orders**.

Customer orders that were created **before** Release SAP R/3 4.6C and do not use the R/3 standard address management are **not** displayed in transaction VF04 **Maintain Billing Due List**.

Customer orders that were created **before** release SAP R/3 4.6C must be processed before you activate the business function and transaction VF04 (report SDBILLDL) in order to create the appropriate billing documents.

Effects on Customizing

If you want to use the optimized reports, you have to execute the necessary Customizing activities in Customizing for **Sales and Distribution** under:

- o **Sales -> Lists -> Optimized Lists**
 - Activate Optimized Reports
 - BAdI: Adjust Selection Results
- o **Billing -> Lists**
 - Activate Optimized Reports
- o **System Modification -> Create New Fields (Without Condition Technique) -> New Fields for Lists of Sales and Distribution Documents**
If you activate the reports for billing, you only have restricted use of this activity. You can **not** use the following includes:
 - V05XZZMO (**further document fields for lists of billing documents**)
 - VV05XFZ1 (**further address fields for lists of billing documents**)
 - VV05XFZ2 (**further status fields for lists of billing documents**)
 You can only add other document fields, address fields, and status fields to the list of billing documents using include VV05XFZ3 (**Customer-Specific Fields for Lists of Billing Documents**).

See also

SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp> -> **ERP Central Component** -> **SAP ERP Enhancement Packages** -> **ERP Central Component Enhancement Package 5** -> **Business Functions (SAP Enhancement Package 5 for SAP ERP 6.0)** -> **Business Functions in SAP ERP** -> **Enterprise Business Functions** -> **Logistics** -> **Sales and Distribution**

MM Materials Management

MM-PUR Purchasing

Business Function Optimization for Purchase Order History

LOG_MM_OPT_POH: Optimization for Purchase Order History (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL 616), the business function *Optimization for Purchase Order History* (ERPOH_606_MMPUR_POH) is available. With this business function, you can activate performance optimizations for the purchase order history. If there are long-living purchase order items or scheduling agreement items in your system, the number of purchase order history records can amount to several thousand. By activating this business function, the performance is improved for routines where open amounts or open quantities are calculated based on purchase order history information. This optimization aggregates quantities and amounts on database level and makes the aggregated records available for subsequent calculation routines.

Note

If you have activated the business function and implemented the Business Add-In (BAdI) *BADI for LEINRF03 excise_invoice_details* (ME_CIN_LEINRF2V), the implementation may not work correctly. This is because the purchase order history records, which are transferred using the interface of the BAdI, consequently have aggregated values.

We recommend that you check whether the implementation is still working correctly. To do so, run transactions MIRO and MIGO. If the implementation no longer works as originally designed, deactivate the business function.

Please consider that some industries solutions, add-ons or minor functions which extend the purchase order history will not be supported with SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA. For more information, see SAP note 1768031.

PM Plant Maintenance

PM-PRM Preventive Maintenance

Business Function Maintenance Plan Scheduling 1

LOG_EAM_MPS1: Maintenance Plan Scheduling 1 (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL PM-PRM-MP 616), a new transaction (IP30H) is available for the mass scheduling of maintenance plans.

Transaction IP30H optimizes the existing scheduling function *Deadline Monitoring of Maintenance Plans* (transaction IP30), which is used to schedule a defined selection of maintenance plans. This is essential for customers from asset intensive industries who deal with **large numbers** of maintenance plans.

With the new transaction, you can now schedule **all** maintenance plans that are due within a specific timeframe in one go. You do not need to enter any parameter restrictions because the system carries out a preselection taking numerous parameters into account (for example, dates, maintenance strategies, counter readings). This ensures the system only processes maintenance plans that are due.

The transaction *Mass Schedule Maintenance Plans* (transaction IP30H) has been added to the SAP Easy Access menu under *Logistics -> Plant Maintenance -> Preventive Maintenance -> Maintenance Planning -> Scheduling for Maintenance Plans -> Mass Schedule Maintenance Plans*.

See also

- o Business Function documentation under ***Business Functions (Enhancement Package 6 for SAP ERP 6.0) -> Business Functions in SAP ERP -> Enterprise Business Functions -> Logistics -> Plant Maintenance***.
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com>. Choose a release and then ***Application Help***. In SAP Library choose ERP Central Component -> ***Logistics -> Plant Maintenance (PM) -> Preventive Maintenance (PM-PRM) -> Maintenance Planning (CS-AG/PM-PRM-MP)***.

PP Production Planning and Control

PP-MRP Material Requirements Planning

LOG_PPH_MDPSX_READ: Read Optimization for MDPSX (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL 616), the business function Read Optimization for MDPSX (LOG_PPH_MDPSX_READ) is available. With this business function, you can activate performance optimizations for your production planning. Using Material Requirements Planning (MRP) as part of your daily business, the material, supply and demand data in your system can amount to several thousand records. By activating this business function, performance is improved for routines in which this data is processed and calculated based on the information contained in table MDPSX. That is, displaying your stock and requirements situation, generating overviews of your current materials, supply and demand, or planning transactions (such as for single and multiple materials or for plants) are speeded up.

Note

If you are using an Industry Business Solution, refer to the SAP Note 1811543. Here, you can find detailed information about the functions that cannot be used with this business function.

Using this optimization, the MRP list only shows aggregated customer and dependent requirements. If you require information about individual sales orders or individual requirements, you need to use transaction MD04.

Total requirements (table VBBS) are no longer supported in this optimization process. Before you activate the business function LOG_PPH_MDPSX_READ, make sure that you only have individual customer in your system. See the business function for more details on how to do this.

Total requirements (database view MDRI) are also not supported for dependent requirements. If you have defined A001 or A002 in this profile in the repetitive manufacturing profile (*REM Profile*) in the *MRP 4* screen of the material master (or you use a customer-specific copy of these options) and you have existing total records for dependent requirements, you have to either change the *REM Profile* in the material master or change the settings of these profiles from total to individual requirements in Customizing for Repetitive Manufacturing, under **Control Data -> Define Repetitive Manufacturing Profiles**. Here, deselect the **Aggregate reqmts** field in the **Control data 2** tab. Then you should carry out the planning run again for the higher-level material using planning mode 2 so that the bill of materials is re-exploded and the individual requirements are created in the individual requirements table RESB.

PS Project System

PS-IS Information System

Line Item Reports in Project System for Projects with Actual/Plan Data (New)

Use

As of enhancement package 6 for SAP ERP 6.0, version for SAP HANA 1.0 (SAP_APPL 616), new line item reports are available. These line item reports provide better navigation options in the result list. They enable you to drill down to a single object in the navigation bar when you start the report with a project (variation). You can also choose display variants directly in the list (layouts).

Effects on Existing Data

- o Use transaction CJI3N instead of CJI3:
On the **SAP Easy Access** screen, choose **Logistics -> Project System -> Information System -> Financials -> Line Items -> Actual Costs/Revenues: New**.
- o Use transaction CJI4N instead of CJI4:
On the **SAP Easy Access** screen, choose **Logistics -> Project System -> Information System -> Financials -> Line Items -> Plan Costs/Revenues: New**.

See also

- o SAP Note 1698066
- o SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp>. Choose a release and then **Application Help**. In SAP Library, choose **SAP ERP Central Component -> Financials -> Project System (PS) -> Project Information System -> Commercial Project Reports -> Line Item Reports**.

Release Notes
for
SAP enhancement package 6
for **SAP ERP 6.0,**
version for **SAP HANA**
Support Package Stack 01



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SD Sales and Distribution

LOG_SD_REPORT_OPT: Sales and Distribution, Optimization of Lists (New)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0 (SAP_APPL 616)**, you can use the business function **Sales and Distribution, Optimization of Lists** (LOG_SD_REPORT_OPT). You can use this business function to better create comprehensive lists of sales and distribution documents for your company-specific tasks in sales and invoicing. For the respective reports, which are called as transactions, you get an optimized version of the report to be processed. In Customizing for Sales and Distribution, you can activate and deactivate each transaction (report) separately.

Sales

Optimized Reports with Functional Changes

New functions are also available in the following optimized reports:

- o Transaction VA05: **List of Customer Orders**
Report SD_SALES_DOCUMENT_VIEW
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA15: **List of Inquiries**
Report SD_SALES_DOCUMENT_VA15
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA25: **List of Quotations**
SD_SALES_DOCUMENT_VA25
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA45: **List of Contracts**
SD_SALES_DOCUMENT_VA45
New functions: Selection screen, output screen, enhancement concept
- o Transaction SDO1: **Orders Within Time Period**
Report SD_SALES_DOCUMENT_SDO1
New function: Output list

The new functions for transactions VA05, VA15, VA25 und VA45 improve processing in the following ways:

- o On the **selection screen**, you have more options for editing the selection criteria. For example, you can enter a larger number of selection criteria in clearly arranged data groups and you can search within value ranges. You can search for inquiries, quotations, and contracts more precisely with regard to their validity. You can search all listed sales documents more precisely for a specific partner function which classifies the **responsible people** or **partners**.
- o In the selection results, the **output list** is displayed using the SAP List Viewer in the current version. This allows you to process the list with more versatility and change the layout in different ways. There are multiple layout variants for the individual transactions.
- o An **enhancement concept** enables the implementation of business add-ins, which you can use to enhance the selection criteria on the selection screen and to adjust the contents of the output list to meet your requirements. You can also integrate other functions into the output list.

Note:

For these reports, the **Expected Customer Price** field is **not** displayed in the output lists.

Optimized Reports Without Functional Changes

- o Transaction V23: **SD Documents Blocked for Billing**
Report SDFAKSPE
- o Transaction VA14L: **Sales Documents Blocked for Delivery**
Report SDLIEFSPE
- o Transaction V.26: **List of Sales Documents by Object Status**
Report RVAUFSTA
- o **Output from Orders**
Report SD70AV1A

Credit management:

If you activate the optimized version of report RVKRED01, the following transactions run as optimized versions:

- o Transaction VKM1: **Blocked SD Documents**
- o Transaction VKM2: **Released SD Documents**
- o Transaction VKM3: **Sales Documents**
- o Transaction VKM4: **SD Documents**
- o Transaction VKM5: **Deliveries**

Billing

For this area, you can activate the following reports separately:

- o Transaction VF05: **List of Billing Documents**
Module Pool SAPMV65A
- o Transaction VF04: **Maintain Billing Due List**
Report SDBILLDL
The following customer-specific implementations are **not** executed for the enhancement spot ES_SAPLV05H:
READ_VKDFS_VKDFI_VF_01_11
READ_VKDFS_VKDFI_VF_01_12
READ_VKDFS_VKDFI_VF_01_13
- o Transaction V.21: **Log of Collective Run**
Report SDSAMPRO

Effects on Existing Data**Sales**

A new selection screen is available for transactions VA05, VA15, VA25, and VA45.

Billing

Take the following points into account for transaction VF04 (**Maintain Billing Due List**, report SDBILLDL):

- o Customer orders that were created **before** Release SAP R/3 4.6C and do not use the R/3 standard address management are **not** displayed in transaction VF04.
- o Customer orders that were created **before** release SAP R/3 4.6C must be processed **before** you activate the business function and transaction VF04 in order to create the appropriate billing documents.

Effects on System Administration

Once you have activated an optimized version, you can **no longer** use your customer-specific selection and layout variants, or your customer enhancements.

Effects on Customizing

Activation

You can call the **Activate Optimized Reports** activity in Customizing for **Sales and Distribution**:

- o **Sales -> Lists -> Optimized Lists**
- o **Billing -> Lists**
- o **System Modifications**

Create an entry for every report you want to activate. You can find a complete list of optimized reports in the input help for **Report: Optimization ID**.

Business Add-Ins for the Enhancement Concept

In Customizing for **Sales and Distribution**, you can implement business add-ins (BAdIs) to enhance and adjust the optimized lists for transactions VA05, VA15, VA25, and VA45 under **Sales -> Lists -> Optimized Lists**:

- o **BAdI: Adjust Selection Results** (BADI_SDOC_WRAPPER)
You can add customer-specific fields as columns for the results list. You also get a method for processing the additional field data.
The data for the output list is processed line by line.
- o **BAdI: Adjust Selection Results (Mass Access)** (BADI_SDOC_WRAPPER_MASS)
You can calculate and manipulate the data for the results using mass processing for all lines.
- o **BAdI: Add Pushbutton** (BADI_SDOC_VIEW_CUSTOM_FUNC)
You can add additional functions for the results list. A maximum of six functions are displayed as pushbuttons; all other functions are listed in a dialog box.

Billing

If you have activated the optimized version for the **List of Billing Documents** transaction (**VF05**), you can use includes to add certain customer-specific fields in Customizing for **Sales and Distribution**. The use of includes under **System Modifications -> Create New Fields (Without Condition Technique) -> New Fields for Lists of Sales and Distribution Documents** has changed as follows for transaction VF05:

- o You can no longer use the following includes:
 - V05XZZMO (**further document fields for lists of billing documents**)
 - VV05XFZ1 (**further address fields for lists of billing documents**)
 - VV05XFZ2 (**further status fields for lists of billing documents**)
- o You can use include VV05XFZ3 (**Customer-Specific Fields for Lists of Billing Documents**) to add customer-specific fields to the list of billing documents (transaction VF05).

See also

SAP Library for SAP ERP on the SAP Help Portal at <http://help.sap.com/erp> -> **SAP ERP Central Component -> SAP Enhancement Package 6 for SAP ERP 6.0, Version for SAP HANA Package 6**, for example, under **Application Help**:

- o **SAP ERP -> Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Business Functions in SAP ERP -> Enterprise Business Functions -> Logistics -> Sales and Distribution -> Sales and Distribution, Optimization of Lists**
- o **SAP ERP -> SAP ERP Central Component -> Logistics -> Sales and Distribution (SD) -> Reports and Analyses (SD-IS-REP) -> Lists of Sales and Distribution Documents (Optimized Versions)**
 - **List of Customer Orders (Optimized Version)**
 - **List of Customer Orders Within Period (Optimized Version)**
 - **List of Inquiries (Optimized Version)**
 - **List of Quotations (Optimized Version)**
 - **List of Contracts (Optimized Version)**

MM Materials Management

LOG_MM_OPTIMIZATIONS: Materials Management, UI and Performance Optimizations (New)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL 616), the business function *Materials Management, UI and Performance Optimizations* (LOG_MM_OPTIMIZATIONS) is available. With this business function, you can activate performance optimizations for selected transactions from the Materials Management component (MM) out of a database or user interface-related performance perspective.

Effects on Existing Data

UI-related performance improvements

In some cases, a list-based user interface (UI) is displayed by several transactions. This list processing is relatively slow. By using ABAP ALV Grid-based single-line data the runtime behavior can be increased.

You activate or deactivate those UI changes in Customizing for Materials Management under *General Settings for Materials Management -> BAdI: Activate MM UI-Related Performance Optimizations*.

The following transactions use this optimization BAdI for alternative data access:

- o MB5B (report RM07MLBD)
- o MBLB (report RM07MLBB)
- o MB58 (report RM07MKON)
- o MB5M (report RM07MMHD)
- o MI24 (report RM07IDIF)

Database-related performance improvements

In some cases an optimization may have an overall runtime which is slower on other databases than prior to the optimization. This may be due to complex join operations on non-indexed fields or due to a change when data is read from the database. An example is a one-step procedure as opposed to a two-step procedure.

You activate or deactivate those UI changes in Customizing for Materials Management under *General Settings for Materials Management -> BAdI: Activate MM DB-Related Performance Optimizations*.

The following transactions use this optimization BAdI for alternative data access:

- o MB5L (report RM07MBST)
- o MB25 (Report RM07RESL)

Effects on Customizing

If you have activated the the business function *Materials Management, UI and Performance Optimizations* (LOG_MM_OPTIMIZATIONS), you must set and activate the corresponding BAdIs in Customizing for Materials Management under *General*

Settings for Materials Management -> BAdI: Activate MM UI-Related Performance Optimizations and/or BAdI: Activate MM DB-Related Performance Optimizations.

Note

SAP recommends to test which data access is faster for your system and to use the faster alternative. The business function is fully reversible; therefore, you can deactivate the business function after a trial in your test system if the classic approach is more convenient for you.

See also

For more information, see SAP note 1785856.

PS Project System

OPS_PS_CI_3: Business Function Project System, RRB Perf. Improvement

Use

As of SAP enhancement package 6 for SAP ERP 6.0 (SAP_APPL 616), the business function Project System, RRB Performance Improvement is available. With this business function, you can use the following enhancements in Project System (PS):

Performance Improvement in Resource Related Billing (RRB)

The performance improvement for RRB is achieved by using an optimized select query that fetches the aggregated data from the database directly.

Data is aggregated specific to the source 'Actual Cost — Line Items'. The number of records sent for the creation of dynamic items is considerably reduced and selecting only limited fields from the database helps improve performance.

Reading of cost records is accelerated by selecting only limited fields maintained in the Dynamic Item Processor (DIP) profile. Post optimization, data is fetched only from the selected fields, thereby enabling reduced transfer of data from the database.

There is a BAdI that has been implemented to support the optimization for RRB. This is a reversible business function.

Option to Enable RRB Optimization for a DIP Profile

You can use this BAdI to decide whether an optimized code needs to be run for a particular DIP profile. Additionally, you can use this BAdI to specify additional fields that need to be fetched from the COVP table. This is applicable only for fields that require data from the COVP table which serve as input for further processing.

See also

SAP Library for *SAP ERP* under *SAP ERP Central Component* -> *SAP ERP Enhancement Packages* -> *Business Functions* -> *Business Functions in SAP ERP* -> *Enterprise Business Functions* -> *Logistics* -> *Project System* -> *Project System, Resource Related Billing Performance Improvement*.

Release Notes
for
SAP enhancement package 6
for **SAP ERP 6.0,**
version for **SAP HANA**
Support Package Stack 02



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Activity Dependent (/ERP/COOM_A22_IRQ008)

Web Dynpro Application Configuration: **Cost Element Planning (Activity Dependent)** (FCOM_IP_CC_COSTELEM07)

Query: **Activity Input Planning by Year**
(/ERP/COOM_A23_IRQ0002)

Query: **Activity Input Planning by Period**
(/ERP/COOM_A24_IRQ0003)

Query: **Comparison of Planned Values and Actual Values** (/ERP/COOM_A22_Q0002)

Web Dynpro Application Configuration: **Cost Centers: Activity Output and Price Planning** (FCOM_IP_CC_ACTOUTPUT01)

Query: **Cost Center: Activity Output Planning by Years** (/ERP/COOM_A25_IRQ0001)

Query: **Cost Center: Activity Output Planning by Periods** (/ERP/COOM_A26_IRQ0001)

Query: **Cost Center: Activity Type Price Planning by Periods** (/ERP/COOM_A26_IRQ0002)

Query: **Cost Center: Activity Type Output and Price Planning by Periods** (/ERP/COOM_A26_IRQ0003)

Web Dynpro Application Configuration: **Activity Input Planning (Multiple Currencies)** (FCOM_IP_PROJ_ACTINPUT02)

Query: **Activity Input Planning by Year**
(/ERP/COOM_A08_IRQ0001)

Query: **Activity Input Planning by Period**
(/ERP/COOM_A09_IRQ0001)

Query: **Comparison of Planned Values and Actual Values** (/ERP/COOM_A09_Q0001)

Web Dynpro Application Configuration: **Secondary Order Costs Planning (Multiple Currencies)** (FCOM_IP_PROJ_ACTINPUT04)

Query: **Secondary Order Costs Planning by Year** (/ERP/COOM_A10_IRQ0001)

Query: **Secondary Order Costs Planning**

by Period (/ERP/COOM_A11_IRQ0001)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A11_Q0001)

Web Dynpro Application Configuration: *Order Cost Element Planning
(Basic)* (FCOM_IP_ORD_COSTELEM01)

Query: *Primary Cost Planning by Year*
(/ERP/COOM_A41_IRQ0011)

Query: *Primary Cost Planning by Period*
(/ERP/COOM_A42_IRQ0011)

Query: *Revenue Planning by Year*
(/ERP/COOM_A41_IRQ0012)

Query: *Revenue Planning by Period*
(/ERP/COOM_A42_IRQ0012)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A42_Q0001)

Web Dynpro Application Configuration: *Order Cost Element Planning
(Additional Features)* (FCOM_IP_ORD_COSTELEM02)

Query: *Primary Cost Planning by Year*
(/ERP/COOM_A41_IRQ0001)

Query: *Primary Cost Planning by Period*
(/ERP/COOM_A42_IRQ0001)

Query: *Revenue Planning by Year*
(/ERP/COOM_A41_IRQ0002)

Query: *Revenue Planning by Period*
(/ERP/COOM_A42_IRQ0002)

Query: *Order Cost Planning by Year*
(/ERP/COOM_A41_IRQ0003)

Query: *Order Cost Planning by Period*
(/ERP/COOM_A42_IRQ0003)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A42_Q0002)

Web Dynpro Application Configuration: *Order Top-Down Cost Element
Group Planning* (FCOM_IP_ORD_COSTELEM03)

Query: *Top-Down Cost Planning by Year*
(/ERP/COOM_A41_IRQ0004)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A42_Q0003)

Web Dynpro Application Configuration: *Order Cost Element Planning
(Multiple Currencies)* (FCOM_IP_ORD_COSTELEM04)

Query: *Primary Cost Planning by Year*
(/ERP/COOM_A41_IRQ0001)

Query: *Primary Cost Planning by Period*
(/ERP/COOM_A42_IRQ0001)

Query: *Revenue Planning by Year*
(/ERP/COOM_A41_IRQ0002)

Query: *Revenue Planning by Period*
(/ERP/COOM_A42_IRQ0002)

Query: *Order Cost Planning by Year*
(/ERP/COOM_A41_IRQ0003)

Query: *Order Cost Planning by Period*
(/ERP/COOM_A42_IRQ0003)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A42_Q0002)

Web Dynpro Application Configuration: *Order Activity Input Planning*
(FCOM_IP_ORD_ACTINPUT01)

Query: *Activity Input Planning by Year*
(/ERP/COOM_A43_IRQ0001)

Query: *Activity Input Planning by Period*
(/ERP/COOM_A44_IRQ0001)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A44_Q0001)

Web Dynpro Application Configuration: *Order Activity Input Planning
(Multiple Currencies)* (FCOM_IP_ORD_ACTINPUT02)

Query: *Activity Input Planning by Year*
(/ERP/COOM_A43_IRQ0001)

Query: *Activity Input Planning by Period*

(/ERP/COOM_A44_IRQ0001)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A44_Q0001)

Web Dynpro Application Configuration: *Secondary Order Costs Planning*
(FCOM_IP_ORD_ACTINPUT03)

Query: *Secondary Order Cost Planning by
Year* (/ERP/COOM_A45_IRQ0001)

Query: *Secondary Order Cost Planning by
Period* (/ERP/COOM_A46_IRQ0001)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A46_Q0001)

Web Dynpro Application Configuration: *Secondary Order Costs Planning*
(Multiple Currencies) (FCOM_IP_ORD_ACTINPUT04)

Query: *Secondary Order Cost Planning by
Year* (/ERP/COOM_A45_IRQ0001)

Query: *Secondary Order Cost Planning by
Period* (/ERP/COOM_A46_IRQ0001)

Query: *Comparison of Planned Values
and Actual Values* (/ERP/COOM_A46_Q0001)

SD Sales and Distribution

LOG_SD_REPORT_OPT: Sales and Distribution, Optimization of Lists (Enhanced)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0 (SAP_APPL 616)**, you can use the business function **Sales and Distribution, Optimization of Lists** (LOG_SD_REPORT_OPT). You can use this business function to better create comprehensive lists of sales and distribution documents for your company-specific tasks in sales and invoicing. For the respective reports, which are called as transactions, you get an optimized version of the report to be processed. In Customizing for Sales and Distribution, you can activate and deactivate each transaction (report) separately.

Sales

Optimized Reports with Functional Changes

New functions are also available in the following optimized reports:

- o Transaction VA05: **List of Customer Orders**
Report SD_SALES_DOCUMENT_VIEW
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA15: **List of Inquiries**
Report SD_SALES_DOCUMENT_VA15
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA25: **List of Quotations**
SD_SALES_DOCUMENT_VA25
New functions: Selection screen, output screen, enhancement concept
- o Transaction VA45: **List of Contracts**
SD_SALES_DOCUMENT_VA45
New functions: Selection screen, output screen, enhancement concept
- o Transaction SDO1: **Orders Within Time Period**
Report SD_SALES_DOCUMENT_SDO1
New function: Output list

The new functions for transactions VA05, VA15, VA25 und VA45 improve processing in the following ways:

- o On the **selection screen**, you have more options for editing the selection criteria. For example, you can enter a larger number of selection criteria in clearly arranged data groups and you can search within value ranges. You can search for inquiries, quotations, and contracts more precisely with regard to their validity. You can search all listed sales documents more precisely for a specific partner function which classifies the **responsible people** or **partners**.
- o In the selection results, the **output list** is displayed using the SAP List Viewer in the current version. This allows you to process the list with more versatility and change the layout in different ways. There are multiple layout variants for the individual transactions.
- o An **enhancement concept** enables the implementation of business add-ins, which you can use to enhance the selection criteria on the selection screen and to adjust the contents of the output list to meet your requirements. You can also

integrate other functions into the output list.

Note:

For these reports, the **Expected Customer Price** field is **not** displayed in the output lists.

Optimized Reports Without Functional Changes

- o Transaction V23: **SD Documents Blocked for Billing**
Report SDFAKSPE
- o Transaction VA14L: **Sales Documents Blocked for Delivery**
Report SDLIEFSPE
- o Transaction V.26: **List of Sales Documents by Object Status**
Report RVAUFSTA
- o **Output from Orders**
Report SD70AV1A

Credit management:

If you activate the optimized version of report RVKRED01, the following transactions run as optimized versions:

- o Transaction VKM1: **Blocked SD Documents**
- o Transaction VKM2: **Released SD Documents**
- o Transaction VKM3: **Sales Documents**
- o Transaction VKM4: **SD Documents**
- o Transaction VKM5: **Deliveries**

Billing

For this area, you can activate the following reports separately:

- o Transaction VF05: **List of Billing Documents**
Module Pool SAPMV65A
- o Transaction VF04: **Maintain Billing Due List**
Report SDBILLDL
The following customer-specific implementations are **not** executed for the enhancement spot ES_SAPLV05H:
READ_VKDFS_VKDFI_VF_01_11
READ_VKDFS_VKDFI_VF_01_12
READ_VKDFS_VKDFI_VF_01_13
- o Transaction V.21: **Log of Collective Run**
Report SDSAMPRO

Effects on Existing Data

Sales

A new selection screen is available for transactions VA05, VA15, VA25, and VA45.

Billing

Take the following points into account for transaction VF04 (**Maintain Billing Due List**, report SDBILLDL):

- o Customer orders that were created **before** Release SAP R/3 4.6C and do not use the R/3 standard address management are **not** displayed in transaction VF04.
- o Customer orders that were created **before** release SAP R/3 4.6C must be

processed **before** you activate the business function and transaction VF04 in order to create the appropriate billing documents.

Effects on System Administration

Once you have activated an optimized version, you can **no longer** use your customer-specific selection and layout variants, or your customer enhancements.

Effects on Customizing

Activation

You can call the **Activate Optimized Reports** activity in Customizing for **Sales and Distribution**:

- o **Sales -> Lists -> Optimized Lists**
- o **Billing -> Lists**
- o **System Modifications**

Create an entry for every report you want to activate. You can find a complete list of optimized reports in the input help for **Report: Optimization ID**.

Business Add-Ins for the Enhancement Concept

In Customizing for **Sales and Distribution**, you can implement business add-ins (BADIs) to enhance and adjust the optimized lists for transactions VA05, VA15, VA25, and VA45 under **Sales -> Lists -> Optimized Lists**:

- o **BAdI: Adjust Selection Results** (BADI_SDOC_WRAPPER)
You can add customer-specific fields as columns for the results list. You also get a method for processing the additional field data.
The data for the output list is processed line by line.
- o **BAdI: Adjust Selection Results (Mass Access)** (BADI_SDOC_WRAPPER_MASS)
You can calculate and manipulate the data for the results using mass processing for all lines.
- o **BAdI: Add Pushbutton** (BADI_SDOC_VIEW_CUSTOM_FUNC)
You can add additional functions for the results list. A maximum of six functions are displayed as pushbuttons; all other functions are listed in a dialog box.

Billing

If you have activated the optimized version for the **List of Billing Documents** transaction (VF05), you can use includes, to add certain customer-specific fields in Customizing for **Sales and Distribution**. The use of includes under **System Modifications -> Create New Fields (Without Condition Technique) -> New Fields for Lists of Sales and Distribution Documents** has changed as follows for transaction VF05:

- o You can no longer use the following includes:
 - V05XZZMO (**further document fields for lists of billing documents**)
 - VV05XFZ1 (**further address fields for lists of billing documents**)
 - VV05XFZ2 (**further status fields for lists of billing documents**)
- o You can use include VV05XFZ3 (**Customer-Specific Fields for Lists of Billing Documents**) to add customer-specific fields to the list of billing documents (transaction VF05).

See also

SAP Library for SAP ERP on the SAP Help Portal at <http://help.sap.com/erp> -> **SAP ERP Central Component -> SAP Enhancement Package 6 for SAP ERP 6.0**, for example, under **Application Help**:

- o **SAP ERP -> Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Business Functions in SAP ERP -> Enterprise Business Functions -> Logistics -> Sales and Distribution -> Sales and Distribution, Optimization of Lists**
- o **SAP ERP -> SAP ERP Central Component -> Logistics -> Sales and Distribution (SD) -> Reports and Analyses (SD-IS-REP) -> Lists of Sales and Distribution Documents (Optimized Version)**
 - **List of Customer Orders (Optimized Version)**
 - **List of Customer Orders Within Period (Optimized Version)**
 - **List of Inquiries (Optimized Version)**
 - **List of Quotations (Optimized Version)**
 - **List of Contracts (Optimized Version)**

LOG_SD_REBATE_INDEX: SD, Replacement of Rebate Index (New)

Use

As of **SAP enhancement package 6 for SAP ERP 6.0** you can use the business function **SD, Replacement of Rebate Index** (LOG_SD_REBATE_INDEX). This business function is used to optimize the determination of billing documents during rebate processing. Billing document determination no longer takes place using index table VBOX, but using the application tables in the **Sales and Distribution** component (SD).

Effects on Existing Data

The redundant status of the rebate-relevant billing documents are no longer required in table VBOX. Once the business function has been activated, no new data is entered in table VBOX.

Effects on Customizing

If you want to determine billing documents using the application tables, you have to execute the following Customizing activities in Customizing for **Sales and Distribution** under **Billing -> Rebate Processing**:

- o **Billing Document Determination: Standard Mapping**
You can check the assignment of the access fields to the origin fields of the original application tables in the standard system.
- o **Billing Document Determination: Customer-Specific Mapping**
You can assign the access fields to specific customers in order to override or enhance the standard mapping.
If the pricing-relevant data is manipulated, it is necessary to perform customer-specific mapping. This occurs when, for example, user exits or customer enhancements exist for communication structure KOMG.
- o **Create Billing Index**
If new **retroactively** effective accesses are created, you have to create the rebate index from new.
- o **Business Add-Ins (BAIs) -> BAi: Enhancements for Rebate Processing (In-Memory Version)**
You can use this BAi to enhance billing document determination without using index table VBOX.

See also

SAP Library for SAP ERP on SAP Help Portal at <http://help.sap.com/erp> -> **ERP Central Component -> SAP ERP Enhancement Packages -> ERP Central Component Enhancement Package 6 -> Business Functions (SAP Enhancement Package 6 for SAP ERP 6.0) -> Enterprise Business Functions -> Logistics -> Sales and Distribution**

MM Materials Management

MM-PUR Purchasing

LOG_MM_OPT_POH: Optimization for Purchase Order History (Enhanced)

Use

As of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA (SAP_APPL 616), the business function *Optimization for Purchase Order History* (ERPOH_606_MMPUR_POH) is available. With this business function, you can activate performance optimizations for the purchase order history. This optimizes the performance of transactions ME2K, ME2L, ME2M, ME2N, MIGO, MIRO, and MB5S. If there are long-living purchase order items or scheduling agreement items in your system, the number of purchase order history records can amount to several thousand. By activating this business function, the performance is improved for routines where open amounts or open quantities are calculated based on purchase order history information. This optimization aggregates quantities and amounts on database level and makes the aggregated records available for subsequent calculation routines.

With SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA, support package 2 (SAP_APPL 616), the following features for transaction MB5S are introduced:

- o A new Business Add-In (BAI) method (GET_PO_HISTORY_VALUES) is available with which the logic of function module ME_READ_HISTORY can now be moved into the database. As a result, the number of database accesses is considerably reduced.
- o By buffering PO history data, a faster access to the data is enabled.
- o The data volume that is transferred is considerably reduced by the aggregation of data originating from function module ME_READ_HISTORY and the aggregation of data that is processed in transaction MB5S.

Restrictions

The following restrictions apply to BAI method PO_HISTORY_READ: If you have activated the business function and implemented the Business Add-In *BADI for LEINRF03 excise_invoice_details* (ME_CIN_LEINRF2V), the implementation may not work correctly. This is because the purchase order history records, which are transferred using the interface of the BAI, consequently have aggregated values.

We recommend that you check whether the implementation is still working correctly. To do so, run transactions MIRO and MIGO. If the implementation no longer works as originally designed, deactivate the business function.

Please consider that some industries solutions, add-ons or minor functions which extend the purchase order history will not be supported with SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA. For more information, see SAP note 1768031.

The optimization of transaction MB5S, available as of SAP enhancement package 6 for SAP ERP 6.0, version for SAP HANA SP02 (SAP_APPL 616), is non-disruptive. It enables a high-performance determination of data from the PO history. The current implementation does not optimize delivery costs and multi-accounting.