Release Notes
Public Sector
SAP enhancement package 3 for SAP ERP 6.0
Business Function Item Hierarchies..............................................................5
  PS_GOVPROC_ITEMTYPES: Item Hierarchies ...........................................5
  PS_GOVPROC_ITEMTYPES: Replication of Hierarchies from SAP SRM (New) ....6

Business Function Shopping Cart Commitment...........................................8
  PS_GOVPROC_SCCMT: Shopping Cart Commitment .....................................8
  PS_GOVPROC_SCCMT: Funds Commitment on Shopping Cart Approval (Enhanced)...9

Business Function PSCD, Collections Management .....................................10
  PSCD_COLLECTIONS_MANAGEMENT: PSCD, Collections Management (New) ....10
  PSCD_COLLECTIONS_MANAGEMENT: Collections Management .......................12
  PSCD_COLLECTIONS_MANAGEMENT: Enhanced Inbound Correspondence (New) .16
  PSCD_COLLECTIONS_MANAGEMENT: Promise to Pay ....................................18
  PSCD_COLLECTIONS_MANAGEMENT: Payment Transactions ..........................24
  PSCD_COLLECTIONS_MANAGEMENT: Processing of Incoming/Outgoing Payments 25
  PSCD_COLLECTIONS_MANAGEMENT: Invoicing in Contract Accounts Receivable and Payable .............................................................................................................................26

  PSCD_COLLECTIONS_MANAGEMENT: Integration with Customer Relationship Management ..........................................................................................................................28
  PSCD_COLLECTIONS_MANAGEMENT: Installment Plan ....................................29
  PSCD_COLLECTIONS_MANAGEMENT: Information Container ..........................30
  PSCD_COLLECTIONS_MANAGEMENT: Enterprise Services ...............................32
  PSCD_COLLECTIONS_MANAGEMENT: External Cash Desk Services ................33
  PSCD_COLLECTIONS_MANAGEMENT: Closing Operations ...............................36
  PSCD_COLLECTIONS_MANAGEMENT: Billing in Contract Accounts Receivable and Payable .............................................................................................................................37

  PSCD_COLLECTIONS_MANAGEMENT: Integration with Business Intelligence ......39
  PSCD_COLLECTIONS_MANAGEMENT: Archiving .............................................41
  PSCD_COLLECTIONS_MANAGEMENT: Account Balance Display ....................43

Business Function PSM, Grantor Integration (PSCD) .....................................44
  PSCD_GRANTOR, PSM Grantor Integration (PSCD) (New) ..............................44

Business Function PSCD, Tax Return Processing .........................................45
  PSCD_TRM_RETURN_PROCESSING: PSCD, Tax Processing (New) ...............45
  PSCD_TRM_RETURN_PROCESSING: BRF Tax Validation/Calculation (New) .....48
  PSCD_TRM_RETURN_PROCESSING: Billing for TRM (New) .............................51
  PSCD_TRM_RETURN_PROCESSING: Invoicing of Billing Documents in TRM (New). 53
  PSCD_TRM_RETURN_PROCESSING: Generating Forms (New) ........................48
  PSCD_TRM_RETURN_PROCESSING: Processing Tax Returns (New) ...............55
  PSCD_TRM_RETURN_PROCESSING: Revenue Types (New) .............................56
  PSCD_TRM_RETURN_PROCESSING: Uploading Forms (New) ............................57
  PSCD_TRM_RETURN_PROCESSING: Portal Content (New) ...............................58

Business Function PSM, Sales Order Services .............................................59
  PSM_ESOA_SDINT: PSM, Sales Order Services (New) ....................................59

Business Function PSM, Expenditure Certification .....................................60
  PSM_EXP_CERT: Expenditure Certification .................................................60

Business Function PSM-FM, Funds Management .........................................62
  PSM_FM_CI_1: PSM-FM, Funds Management (New) ......................................62
PSM_FM_CI_1: Creation or Update of FM Master Data (New) ....................................... 63
PSM_FM_CI_1: Enhancements of FMDERIVE (New) .................................................... 64
PSM_FM_CI_1: Rule-based account assignment distribution (New).............................. 65
PSM_FM_CI_1: Enhancement of report RFFMCY_CO_COPI (New) ............................. 66
PSM_FM_CI_1: Integration of Material Reservations with FM (New) ......................... 67
PSM_FM_CI_1: Budgeting (New) .................................................................................... 68
PSM_FM_CI_1: Business Process in ABC as Statistical Cost Object......................... 71

Business Function PSM, Grants Management for Grantee Enhancements................. 72
PSM_GM_GTE_CI_1, Grantee Management.................................................................. 72

Business Function Financial Integration with EA-PS ................................................. 73
PSM_GOVPROC_JFMIP: Financial Integration with EA-PS ........................................ 73
PSM_GOVPROC_JFMIP: Period of Performance in SAP SRM Documents (New) ....... 74
PSM_GOVPROC_JFMIP: Prompt Payment Act Enhancements in SAP SRM (New) ....... 75

Business Function Pricing Arrangements for EA-PS Integration............................... 76
PSM_GOVPROC_PA: Pricing Arrangements EA-PS Integration................................. 76
PSM_GOVPROC_PA: Pricing Arrangements from SAP PPS (New) ............................... 77

Business Function PSM, Grantor Integration (AP/AR) ........................................... 78
PSM_GRANTOR_APAR, PSM, Grantor Integration (AP/AR) ....................................... 78

Business Function PSM, U.S. Federal - Reimbursable Orders................................. 80
PSM_REIMB_1, Reimbursable Orders ........................................................................ 80

Business Function PSM, U.S. Federal: Business Partner Network........................... 81
PSM_USFED_BPN_1, Business Partner Network ....................................................... 81

Business Function PSM, U.S. Federal ................................................................. 82
PSM_USFED_CI_1: US Federal, General Enhancements .............................................. 82
PSM_USFED_CI_1: Budgetary Ledger Adjustment Posting on Fund Level (New) ....... 83
PSM_USFED_CI_1: New Fields in Header of Budget Entry Documents (New) .......... 84
PSM_USFED_CI_1: Additional Line Items Created for Asset Transfer Transactions (New) ........................................................................................................... 85
PSM_USFED_CI_1: Document Chain Feature in Transaction Register (New) .......... 87

Business Function PSM, U.S. Federal: Debt Management ....................................... 89
PSM_USFED_DEBT_1, Debt Management (New) ....................................................... 89

Business Function PSM, U.S. Federal: Period of Performance ............................... 90
PSM_USFED_PEROP_1, Period of Performance (New) ............................................. 90

Business Function PSM, U.S. Federal - PPA and Payments................................. 94
PSM_USFED_PPAP_1: Postings to FI with up to 9999 items (new) ......................... 94
Business Function Item Hierarchies

PS_GOVPROC_ITEMTYPES: Item Hierarchies

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the business function Item Hierarchies is available. With this business function, you can produce complex contractual arrangements with a flexible grouping of line items. This business function also supports configurable line item numbering (CLIN). Capabilities such as grouping like items, splitting the procurement process into phases, and representing task structures are enabled through item hierarchies. This feature is available for the following SAP Supplier Relationship Management (SAP SRM) procurement documents:

- Shopping cart
- RFx
- Purchase order
- Contract

For more information, see the release note Replication of Hierarchies from SAP SRM (New).

Effects on Existing Data

You have SAP Supplier Relationship Management 2006 (SAP SRM 2006) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.
**PS_GOVPROC_ITEMTYPES: Replication of Hierarchies from SAP SRM (New)**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Business Function Item Hierarchies (PS_GOVPROC_ITEMTYPES), hierarchical line item structures are replicated from SAP Supplier Relationship Management (SAP SRM) procurement documents to their counterparts in the ERP system. This includes the replication of both statistical and functional line items, including material and service line items. The hierarchical line item number is also transferred to the backend system, as well as the position of the line item in the hierarchy. For each line or subline item in the SAP SRM document, a corresponding line item is created in the SAP ERP document. This feature also supports configurable line item numbering (CLIN).

This feature is available for the following procurement documents:

- Purchase order
- RFx
- Contract
- Shopping cart

**Effects on Existing Data**

To use this feature, you must have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (PPS 2007) installed on your system.

The following transactions are affected by the replication of line item hierarchies from SAP SRM to the SAP ERP system:

- You can now display a replicated purchase order created in the SAP SRM Extended Classic Scenario in the Create Purchase Order transaction (ME21N). The hierarchical line item numbers in the purchase order are visible, and the line items are displayed in the correct hierarchical sequence. You can also navigate using the hierarchical line item number.
- You can use hierarchical line item numbers as reference when entering a goods receipt (GR) in the Goods Movement transaction (MIGO).
- You can use hierarchical line item numbers as reference when entering a service entry sheet in the Service Entry Sheet transaction (ML81N).
- You can use hierarchical line item numbers as reference when entering an invoice receipt (IR) in the Enter Incoming Invoice transaction (MIRO).

**Effects on Customizing**

You make the Customizing settings for this function in the Materials Management Implementation Guide (IMG) by choosing:

- General Settings for Materials Management -> BAdI to Activate Configurable Line Item Numbering
  
  Use this Business Add-In (BAdI) to activate configurable line item numbering in goods receipts and invoice verifications.

- Logistics Invoice Verification -> Incoming Invoice -> Aggregation -> Preset Aggregation Criteria for Hierarchies
  
  Use this IMG activity if you want to aggregate line items according to hierarchies in invoice receipts displayed in transaction MIRO.
External Services Management -> Activate Recalculation of Gross Price in Service Entry Sheet

Use this IMG activity if you want to activate recalculation of the gross price at line item level in service entry sheets. The price is recalculated by determining the difference between the original gross price and the amount called off by other service entry sheets posted against the line item.

See also

For more information, see the main release note for business function Item Hierarchies.
**Business Function Shopping Cart Commitment**

**PS_GOVPROC_SCCMT: Shopping Cart Commitment**

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the business function Shopping Cart Commitment is available. With this business function, you can enable a financial commitment to be recorded in Funds Management (FM) upon approval of an SAP Supplier Relationship Management (SAP SRM) shopping cart.

For more information, see release note *Funds Commitment on Shopping Cart Approval (Enhanced)*.

**Effects on Existing Data**

You have SAP Supplier Relationship Management 2006 (SAP SRM 2006) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.
PS_GOVPROC_SCCMT: Funds Commitment on Shopping Cart Approval (Enhanced)

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Business Function Shopping Cart Commitment, you can record a funds commitment in Funds Management (FM) as soon as your SAP Supplier Relationship Management (SAP SRM) shopping cart is approved. Public sector organizations are required to commit funds at the time of their purchase request. By recording the funds commitment, this feature enables public sector organizations to have appropriate accounting controls throughout the SAP SRM requisitioning process.

Effects on Existing Data

To use this feature, you must have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.

See also

For more information, see the main release note for business function Shopping Cart Commitment.
**Business Function PSCD, Collections Management**

**PSCD_COLLECTIONS_MANAGEMENT: PSCD, Collections Management** *(New)*

**Use**

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, the Business Function PSCD, Collections Management is available.

This Business Function provides you with comprehensive functions for processing customers and for collecting due receivables that are especially suited to the requirements of the tax authorities. You can use this Business Function to process large amounts of data in environments where manual processing is not suitable. You also have functions for processing open tax receivables and functions which you can use to ensure the submission of missing tax returns. You can do the following with this Business Function:

- dun receivables in *Collections Management* in accordance with flexible collection strategies and create, manage, and work through collection workitems
- monitor dates by which the taxpayer must submit a tax return with the help of inbound correspondence requests in the system.
- put together balance variants for the account balance display in Customizing
- extract business partner items and dunning histories in SAP NetWeaver - Business Intelligence
- connect external cash desks
- send data to external systems using information containers
- Update the creditworthiness of a business partner on creation of an installment plan
- display information such as the last payment of a customer in SAP CRM Financial Customer Care Interaction Center
- post back an incorrectly assigned on account payment to the clarification account with the clarification processing the payment lot
- consider posting limit in payment run
- create and evaluate promise to pay

New Enterprise Services are also available as XI interfaces in Contract Accounts Receivable and Payable:

- CashPointPaymentCreateNotification_In
- CashPointPaymentReverseNotification_In
- CashPointClosingDocumentNotification_In
- CashPointOpenItemSummaryNotification_In
- CashPointOpenItemSummaryByElementsQueryResponse_In
- CollectionsWorkListNotification_Out
- CollectionsWorkListItemCancellationNotification_Out
- CollectionsWorkListItemStatusByCollectionsWorkListIdQueryResponse_Out

See the following release information for more information:

- HyperLink: RELN.FICAX_602_CM *Collections Management*
**PSCD_COLLECTIONS_MANAGEMENT**: Enhanced Inbound Correspondence

- [HyperLink: RELN.FICAX_602_PROM2PAY](#) Promise to Pay
- [HyperLink: RELN.FICAX_602_PAYTRNS](#) Payment Transactions

**Processing Incoming and Outgoing Payments**

- Invoicing in Contract Accounts Receivable and Payable
- Integration with Customer Relationship Management
- [HyperLink: RELN.FICAX_602_INSTPLN](#) Installment Plan
- [HyperLink: RELN.FICAX_602_INFCON](#) Information Container
- [HyperLink: RELN.FICAX_602_XI](#) Enterprise Services
- [HyperLink: RELN.FICAX_602_EXTCASHD](#) External Cash Desk Services
- [HyperLink: RELN.FICAX_602_CLOSOP](#) Closing Operations

**Billing in Contract Accounts Receivable and Payable**

- Integration with Business Intelligence
- [HyperLink: RELN.FICAX_602_ARCH](#) Archiving
- [HyperLink: RELN.FICAX_602_ACCBALA](#) Account Balance Display
- Business Partner Items in SAP Contract Accounts Receivable and Payable in the BI system
- Dunning in SAP Contract Accounts Receivable and Payable in the BI system

**Effects on Existing Data**

With this Business Function there are changes to the following automatic roles (PFCG-Rollen):

- SAP_EP_ISPSCA_FICA_COLL

For more information on the use of automatic roles, see the SAP Library under Roles -> Automatic Roles.

**See also**

For more information, see the SAP Library under SAP ERP Central Component -> Business Function Sets and Business Functions -> Industry Business Function Sets -> Public Services -> PSCD, Collections Management
**PSCD_COLLECTIONS_MANAGEMENT: Collections Management**

**Use**

*Dunning by Collection Strategy*

If collection grouping is active for a company code, dunning is by collection strategy instead of by dunning procedure. To dun by collection strategy, you have to make the following new Customizing settings:

- Define Collection Step
  - Configure the derivation of the collection step (event 0315 and event of *Business Rules Framework* (BRF))
- Define Collection Strategy and Assign BRF Event
- Maintain Collection Grouping

**Collection Grouping**

Collection grouping can be at contract account or contract level. In Customizing, you define the master data object type that a collection unit can be used for. You can also restrict individual collection units to specific contract account categories.

The properties of a collection unit always refer to a business partner. In a new maintenance transaction in the SAP menu under *Master Data -> Business Partners -> Data for Collections Management -> Maintain Master Data Groups*, you can maintain the collection unit, collection strategy, and contact person of the business partner. This information is saved in the master data objects.

To get an overview of the master data of a business partner that is processed by Collections Management, call the display transaction in the SAP menu under *Master Data -> Business Partner -> Data for Collections Management -> Display Master Data Groups*.

You can use posting area 0040 to enter the initial values for the collection unit and collection strategy. As standard, this is processed in the new event 1044 and creates a proposal value. For the migration you can use report *RFKK_UPDATE_MASTERDATA*. In addition to event 1044, it also processes event 1045 to determine a contact person of the business partner.

When you are processing collection workitems, in Contract Accounts Receivable and Payable you may have to enter new contact persons for specific business partners. You enter the contact person in the *Interaction Center WebClient* - this then updates a trigger in Contract Accounts Receivable and Payable. You process this trigger regularly with the transaction *Update Contact Persons* in the SAP menu under *Master Data -> Business Partners -> Data for Collections Management*.

**Collection Workitem:**

Collection workitems are created when processing by a clerk is required. Using the dunning activity *FKK_0350_WLI_CREATE_AND_DELETE*, you can create collection workitems for a collection unit. Collection workitems are created for collection units and can be differentiated by their categories. You can use these categories to map different processing options for the clerk.

The workitem category Customizing defines whether a workitem is assigned to a worklist automatically when it is created in the dunning activity or whether the manager does this later in the corresponding transaction in the SAP Menu under *Periodic Processing -> For Contract Accounts -> Dunning -> By Collection Strategy -> Manage Worklists*.

In the dunning activity, at least one collections department is assigned to each collection workitem. You can also assign a work group and a clerk to the collection
workitem in the dunning activity. If only a collections department or a collections
department and a work group are assigned to the collection workitem, either the
manager makes the assignment in the Manage Worklists transaction or during
processing of the worklists.

The workitem category Enforcement Work Item defines that an item list is defined to
the work item when it is created. In Interaction Center WebClient, the clerk can
manually add to the item list of a work item or deactivate items in the item list.

Work items with no item list are closed if they do not have a final status at the time of
the next dunning activity run and a new work item is created for the same master data
group. The next dunning run does not automatically close work items with a fixed item
list; you can only close them manually.

API function modules process workitems and worklists further in the Interaction
Center WebClient. Further processing of the workitems and worklists in Contract
Accounts Receivable and Payable is not supported.

Worklist Management:
The worklists are managed in the transaction Manage Worklists. In this transaction, a
manager (person responsible for collections department) or a group leader (person
responsible for work group) can perform the following tasks:

- Creation of new worklists by grouping of workitems
- Assignment of workitems to work groups and/or clerks
- Maintenance of attributes of a worklist
- Reversal of workitems
- Reopening of workitems

Collection History
The collection history (see SAP menu: Account -> Further Information) is an analysis
tool that collects specific business transactions in a total view with reference to the
business partner(s) concerned. Business transactions are considered as events in the
collection history. In Customizing you can place events (business transactions) in
customize the context and assign specific transactions to one another.

Example

- The system assigns a correspondence to a specific installment plan if the
correspondence is an installment plan notification for this installment plan.
- The system assigns a work item to a specific dunning notice if the work item has
  arisen from a dunning activity for this dunning notice.
- The system assigns a payment to a specific promise to pay if the promise to pay
  was closed by this payment.

SAP delivers events of the following category:

- Dunning
- Correspondence
- Work item
- Payment
- Promise to Pay
- Installment Plan
In addition, you can integrate further events using a customer enhancement.

To display the collection history, you can choose between a tabular and a hierarchical view of the events.

**New Events**

In event **1040**, the system determines all contracts of a business partner that participate in Collections Management. For each contract, the system determines the collection unit, collection strategy, and the contact person.

In event **1041**, you can define, for Collections Management, which contract is responsible for an open item if the item was posted with no contract reference (on account). The contract determined then determines the collection unit, collection strategy, and the contact person.

In event **1042**, the system saves the data of the contracts of a business partner that were determined in event **1040**.

In event **1043** you can define how the contract account name is to be displayed in the new transactions **FPCG** and **FPCGA**. (See SAP menu **Master Data -> Business Partners -> Data for Collections Management -> Maintain/Display Master Data Groups**).

In event **1044** you can define the initial values of the collection unit and the collection strategy for Collections Management. In the standard, the new posting area 0400 and, if necessary, an industry-specific posting area are processed here.

In event **1045** you can define the initial values of the contact person for Collections Management.

In event **1046** the system determines all contracts of a business partner that were summarized to a specific master data group for Collections Management.

In event **1047** the system checks whether the master data group is permitted for a contract.

You can use event 2844 to search for workitems using customer-specific fields. The event can be used for the workitem search from the **Interaction Center WebClient**.

Event 2845 determines the last collection contact of the master data group.

Event 2846 enables you to fill customer-specific fields of a work item when you create it in the dunning activity **FKK_0350_WLI_CREATE_AND_DELETE**.

Event 2847 enables customer-specific checks when a workitem is changed in the **Interaction Center WebClient**.

Event 2848 enables you to fill customer-specific fields of a workitem when a subsequent workitem is created from the **Interaction Center WebClient**.

Event 2849 prepares the data for displaying the progress of a worklist in the **Interaction Center WebClient**.

**Effects on Customizing**

You activate the collection grouping in the Implementation Guide for Contract Accounts Receivable and Payable under **Organizational Units -> Configure Company Codes for Contract Accounts Receivable and Payable** in the **Master Data Grouping Level** column.

You make the settings for Collections Management in the Implementation Guide for


PSCD_Collections_Management: Enhanced Inbound Correspondence (New)

Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can use the functions for enhanced inbound correspondence. In order to use the enhanced functions, you must activate the enhanced inbound correspondence in Customizing.

You can continue to display and process the inbound correspondence requests created in the system before this change, but you cannot recreate them. You can also still display the specifications defined for the contract object for inbound correspondence.

Several inbound correspondence categories for each contract object

Until now there was only one inbound correspondence per contract object. As of this release you can generate different inbound correspondence for a contract object. These are then mapped in the system with inbound correspondence categories. You can use inbound correspondence categories to define that you expect a different inbound correspondence for trade tax than for income tax for example. You can also request different inbound correspondence for a revenue type. For example, it is possible to request two different pieces of information from taxpayers for the tax return: one concerning the submission of the tax return (inbound correspondence category "Income tax return") and to request that missing information also be submitted (inbound correspondence category "Income tax return: additional data"). Inbound correspondence requests can also be mapped using different time periods (for example, quarterly or annually).

Each inbound correspondence category is assigned to a revenue type in the Customizing of Contract Accounts Receivable and Payable. When processing the contract object you activate certain inbound correspondence categories for a contract object and thereby define for which revenue types you expect a tax return for this contract object. The example above assumes that an income tax return is expected from each taxpayer, and as such generates an inbound correspondence request automatically, whereas missing data is only relevant for some taxpayers. Therefore the inbound correspondence request is created manually in this case.

The inbound correspondence categories are time-dependent and are created or processed in the Customizing of Contract Accounts Receivable and Payable. Furthermore, inbound correspondence refers directly to periods. This enables time limit changes to be mapped easily for example. You can overwrite the Customizing setting when processing the contract object. You can define the following when doing this:

- Which inbound correspondence category is active, in other words, is created automatically.
- Exception periods for which you do not expect any inbound correspondence. Exception periods apply to all inbound correspondence categories simultaneously and for each year.
- Alternative periods that subdivide the standard periods.

Process

1. The system generates inbound correspondence requests based on the entries in Customizing or in the contract object. They can either be generated individually when processing the contract object or during a mass activity. Inbound correspondence requests are created for periods. When an inbound correspondence request is generated, the system posts a sample document at the same time.
2. If the inbound correspondence is not submitted by the time limit, you start dunning for it. Dunning is based on the posted sample documents if the dunning by collection strategy is active for this company code, otherwise normal inbound correspondence dunning takes place.

3. The system automatically assigns received inbound correspondence when running program Validation and Billing of Tax Returns and Requests to the open inbound correspondence requests thereby flagging the request as completed. The sample document is thereby cleared automatically. Alternatively you can perform this manually in the inbound correspondence history.

**Effects on Customizing**

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable in section Business Transactions -> Inbound Correspondence -> Inbound Correspondence (enhanced):

To use the enhanced inbound correspondence functions, activate them in IMG activity Activate Enhanced Inbound Correspondence.

**See also**

For more information, see the SAP Library under SAP ERP Central Component -> SAP Public Sector Tax and Revenue Management -> Collection and Disbursement (PSCD) -> Enhanced Inbound Correspondence.
Use

Promise to Pay: Overview

A promise to pay is an agreement from a business partner to pay receivables that are in his account. The promise to pay defines which amounts are to be paid by which dates.

Promises to pay can involve payments by the business partner or in the form of debit memos or direct debits.

Since the payment dates defined in the promise to pay are generally after the due dates of the items covered by the promise to pay, charges and interest on late payments can be added.

Promise to Pay: Processing Functions

You can create, approve, withdraw, change, and valuate promises to pay. With the exception of the valuation, these all take place in dialog. The valuation is realized as a mass activity that you use to determine the extent to which promises to pay made have been fulfilled. If a promise to pay is not fulfilled, the creditworthiness of the business partner concerned can be updated.

For dialog processing, you can use a user interface in the Interaction Center Web Client. A classic ERP user interface is also available.

Promise to Pay: Create

A promise to pay is always created with reference to open items of the business partner. Creating a new promise to pay involves the following steps:

- **Selection of currency, responsible company code, reason for the creation, and a category**
  You define the reasons and categories in Customizing. Reasons could be Call by customer, Call by us, Letter from customer, for example. The categories indicate proposal values for the number and the interval of the payment dates of the individual partial payments, specifications for the determination and posting of interest and charges, and specifications for the effect on the creditworthiness, interest, and charges where a promise is not fulfilled.

- **Selection of the open items to be included in the promise to pay.**
  An open item can be included in a promise to pay completely or only a partial amount can be included. The selection options generally correspond to the options given for clearing processing in dialog. Open items that are already assigned to another promise to pay, a collective bill, or an installment plan cannot be included in a new promise to pay. The selected open items can be posted to different contract accounts of the business partner and can have different currencies. You define the payment currency in the promise to pay itself.

- **Determination of the total amount, including interest and charges**
  The system does this automatically once the selection of open items is completed.

- **Selection of the due dates and the amounts to be paid**
  The system uses the category you have previously selected to propose dates and amounts. You can change this proposal in the dialog processing. The starting date (first due date), the interval between the due dates, and either the number of installments required or the maximum amount of an installment can be defined.
Using these details, the new total amount is determined (for example, the interest might change) and corresponding partial amounts are created.

- **Specifications for direct debit or debit memo**
  These specifications are only required if the amounts are to be automatically debited when they are due. You have to specify a contract account of the business partner that is to be used for payment processing.
  In no payment method is defined for incoming payments in the contract account specified, you have to specify a payment method in the promise to pay itself.
  Further optional specifications are credit card data (if collection is to be made using a credit card not defined in the contract account) and, if necessary:
  - Alternative payer
  - Alternative bank details
  - Alternative card ID
  For each due date, you can define different details for the direct debit or debit memo.
  In event **0121**, when you collect an installment of a promise to pay you can distribute the payment amount to the related open items (as for an installment plan).

- **Save**
  When you save, the system automatically assigns a number for the promise to pay. The data of the promise to pay is saved, and a link to the promise to pay is saved in the previously selected open items.

You can use events to trigger individual checks on the creation of a promise to pay. At event **0183**, you can restrict the categories permitted dependent on the business partner. If no category is permitted, then no new promise to pay can be created for this business partner. At event **0187**, you can check the promise to pay with all detail data. For example, here you could prevent promises to pay being created with a long life.

**Promise to Pay: Approve**

You can trigger an approval workflow when a promise to pay is created. The decision is taken automatically. To enable this, you must provide a function module for event **5516** in your installation that decides whether the promise to pay is to be approved by another person.

If a workflow is started, you can enter a comment for the promise to pay in dialog. The clerk determined in the workflow can then accept or reject the promise to pay.

**Promise to Pay: Withdraw**

A promise to pay can be withdrawn by the business partner or by you. You have to specify where triggered the withdrawal and select a reason. You define the possible withdrawal reasons in Customizing.

The withdrawal reason defines whether interest and changes are to be retained, reversed, or – for interest only – adjusted to the payments already made. You also define whether the creditworthiness is to be updated for a withdrawal. If you require an update, the level of fulfillment of the promise is determined up to the date of the withdrawal. If the level of fulfillment would lead to the status **Promise Broken**, the creditworthiness is updated with the value defined for the category of the Customizing for broken promises.

The withdrawal makes the promise to pay inactive; the relevant items can then be included in another promise to pay, for example.
You can still display the data of the withdrawn promise to pay.

**Promise to Pay: Change**

If only the data required for the direct debit or debit memo is changed in a promise to pay, the promise is retained. The status before the change is documented in a history management.

If the installments or the items involved in a promise to pay are changed, a new promise is created and the old promise receives a link to the new promise. Since the changes can be complicated (include new items or remove items, change due amounts and dates), no change documents are created or displayed that show the old and new data. Instead, the data of the old promise to pay is stored historically so that you can display the old status at any time.

To make it clear that a new promise is created when data changes, the dialog function is called **Replace Promise** and not **Change Promise**.

The replacement of a promise can be seen as a combination of **Withdraw Promise to Pay** and **Create Promise to Pay**. However, when a promise is replaced, the creditworthiness is not updated, even if the withdrawal reason would normally require an update.

**Promise to Pay: Valuate**

The valuation determines a level of fulfillment for the promise to pay (as percentage rate between 0.00% and 100.00%), and, using the level of fulfillment, a status. The valuation takes place once the promise to pay is closed, normally a few days after the last partial payment is due.

The valuation can lead to one of the following statuses:

- Promise fulfilled
- Promise fulfilled with accepted variances
- Promise not fulfilled

In Customizing, you define the level of fulfillment from which a promise is deemed to be fulfilled or fulfilled with accepted variances.

You can use a mass activity to valuate and close promises to pay. You must assign a check date in this mass activity. Promises to pay whose next check date is before or on this check date are valuated. Using the valuation data determined, you can decided whether the valuation is saved and the promise to pay closed or whether there should be a further check at a later date.

The first check date is automatically set when a promise to pay is created. The date is specified via **event 0184**. In the standard, a date is set that is 7 days after the due date of the middle installment.

**Example**

For five installments, a check is scheduled seven days after the due date of the third installment. If the number of installments is an equal number, the later of the two middle installments is used.

During the check, the decision must be taken whether a further check is necessary at a later date, and the promise is open until then, or whether the promise is to be closed in its current status. This takes place via **event 0189**. In the standard version, a new check date is set if the old check date was not after the due date of the last installment; otherwise the promise is closed. In the standard version, the new check date is seven days after the due date of the last installment. If the date thus determined should not be in the future, the promise to pay is also closed.
Promise to Pay: Valuation Logic

In the valuation, the following is considered: How much of the promised amount has actually been paid, and how late the payments were. With regard to the delay in payment, in Customizing, you can define a number of tolerance days and what reduction in the valuation is made for each day in excess of these tolerance days. You define this per company code.

Example

In Customizing, you have agreed 2 tolerance days and 1.0% reduction for each further day late. The following promise to pay has been given:

<table>
<thead>
<tr>
<th>Amount</th>
<th>Delay</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 100.00</td>
<td></td>
<td>on 01.03.08</td>
</tr>
<tr>
<td>EUR 100.00</td>
<td></td>
<td>on 01.04.08</td>
</tr>
</tbody>
</table>

The following payments have been made:

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 80.00</td>
<td>on 08.03.08</td>
</tr>
<tr>
<td>EUR 100.00</td>
<td>on 09.04.08</td>
</tr>
</tbody>
</table>

The payments are always attributed to the oldest due dates. Therefore, after the deduction of 2 tolerance days, the following assignments arise:

<table>
<thead>
<tr>
<th>Amount</th>
<th>Delay</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 80.00</td>
<td>5 days</td>
<td>Payment from 08.03.08</td>
</tr>
<tr>
<td>EUR 20.00</td>
<td>37 days</td>
<td>Payment from 04/09/2008</td>
</tr>
<tr>
<td>EUR 80.00</td>
<td>6 days</td>
<td>Payment from 04/09/2008</td>
</tr>
</tbody>
</table>

Each of these assignments contributes to the level of fulfillment that is calculated from the percentage amount portion and the reduction due to the delay:

<table>
<thead>
<tr>
<th>Amount portion</th>
<th>Reduction factor</th>
<th>Contribution to level of fulfillment</th>
</tr>
</thead>
<tbody>
<tr>
<td>40,00% (80/200)</td>
<td>0.95 (5 days)</td>
<td>38,00%</td>
</tr>
<tr>
<td>10,00% (20/200)</td>
<td>0.63 (37 days)</td>
<td>6,30%</td>
</tr>
<tr>
<td>40,00% (80/200)</td>
<td>0.94 (6 days)</td>
<td>37,60%</td>
</tr>
</tbody>
</table>

Overall 81,90%

If items that were included in a promise to pay are cleared in another way (for example, due to a reversal, transfer, clearing of credit memos), the business partner only has to pay a reduced amount to fulfill the promise to pay. In the valuation these other clearings are used to reduce the oldest due dates of the promise to pay. A valuation is then made as described above using the reduced installments.

Example

The following promise to pay has been given:

<table>
<thead>
<tr>
<th>Amount</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 100.00</td>
<td>on 01.03.08</td>
</tr>
<tr>
<td>EUR 100.00</td>
<td>on 01.04.08</td>
</tr>
<tr>
<td>EUR 100.00</td>
<td>on 05/01/2008</td>
</tr>
</tbody>
</table>
Of the receivables due, 120.00 is reversed. In the valuation, the promise to pay is treated as if the following installments had been agreed:

- EUR 80.00 on 01.04.08
- EUR 100.00 on 05/01/2008

Write-offs are not other clearings, since they are not deemed to be a waiver of the receivable; instead, they reflect the opinion that the receivable will probably not be collected.

Promise to Pay: Valuation and Creditworthiness

For promises to pay that are not fulfilled, you can write an entry to the creditworthiness of the business partner. In the standard version, the system checks whether a creditworthiness weighting is specified in Customizing in case of non-fulfillment. You can define these for each promise to pay category. If a creditworthiness weighting is specified, a new creditworthiness record is created with this value and the total creditworthiness of the business partner is reduced. Using event 0188 you can change the creditworthiness weighting determined in the standard.

Promise to Pay: Subsequently Change the Valuation

As soon as a promise to pay is closed, all further payments, withdrawals, or other clearings no longer influence the valuation. Therefore, a promise to pay should not be closed too soon after the last due date; on the other hand, it must be possible to make an adjustment for promises to pay where the valuation is later determined to be incorrect. In particular, this should prevent a business partner receiving a bad creditworthiness where this is not justified.

With a special authorization, you can subsequently change the level of fulfillment and the status of a promise to pay manually. You have to justify the change with a comment. All subsequent changes are recorded. The creditworthiness is adjusted automatically.

Promise to Pay: Charges and Interest

You can agree a charge for a promise to pay. The charged is determined, posted, and added to the total amount of the promise to pay automatically. You can define the amount of the charge in event 0186. In the standard system, no charge is calculated.

You can calculate interest on the period between the due date of the receivables and the due dates of the promise to pay. For the interest calculation, you always assume that the installments of the promise to pay will be paid on time and the payments are assigned to the open items with the oldest due date.

You define the interest key to be used in Customizing for each category.

If a promise to pay is closed and not deemed to be broken at this time, there is no change to the interest and charges.

If the promise to pay is deemed broken, dependent on the category you can:
- Retain, reverse, or adjust the interest
- Retain or reverse the charges

Adjusting the interest means that the original interest is reversed and instead, interest is calculated on all items involved again as follows:
- Cleared items up to clearing date
- Open items up to the day of the withdrawal of the promise
If a promise to pay is **withdrawn**, the same decision options apply. However, in this case, the treatment of charges and interest is dependent on the withdrawal reason and not on the category of the promise.

If a promise to pay is **replaced**, changes and interest for the old promise to pay are treated according to the withdrawal reason; the charges and interest of the new promise to pay are treated according to the category selected.

If the same charges are to be levied for the new promise to pay as for the old one, there is no new posting. The charges receivable already posted is automatically added to the new promise.

A similar rule applies if the interest amounts agree. Since a new interest calculation is only not necessary if the items subject to interest and the periods remain the same, the interest receivable can only be added to the new promise if both the items and the installments remain the same. However, this is an exception when replacing a promise to pay since then only payment data can have changed, which would also have been possible without replacement.

**Promise to Pay: Correspondence**

You can send correspondence to the business partner when a promise to pay is created and in the case where a promise to pay is not fulfilled.

The correspondence type for printing a promise to pay is **0045** (**Promise to Pay**).

The correspondence request is created in event 0806. In this event, an entry is created in the correspondence container. This can be printed immediately or in mass printing. Event 0805 prints the correspondence type. In this event, the print parameters are adjusted specific to the correspondence and the Print Workbench is called. In the Print Workbench the correspondence-specific form class **FI_CA_P2P_CORR** is used. As example form, SAP delivers the application form **FI_CA_P2P_CORR_SAMPLE**, category SAPscript.

The following details are used for printing:

- Amounts with their due dates
- Charges and interest on arrears
- Receivables cleared by payments
- Amounts collected using the debit memo procedure

**Effects on Customizing**

You make the system settings for promises to pay in the Implementation Guide for Contract Accounts Receivable and Payable under **Business Transactions -> Promises to Pay.**
Use

Payment Run: Consideration of Direct Debit Limit

For a contract account with an incoming payment method, you can define a direct debit limit for each period. This enables you to prevent that, in the specified period, a higher amount than desired is collected (even though there are due items, an incoming payment method, and bank details).

You activate the direct debit limit per paying company code and you should define the direct debit limit in the currency of the paying company code since otherwise the system translates all payments into the currency of the direct debit limit).

In the definition of the direct debit period, you can define that all payments of the last N months are to be considered or all payments since the first day of the current month or since the first day of a specific previous month.

Each direct debit executed is recorded in a separate table you can display a list of the direct debits from the master data transactions. Returns for recorded direct debits are indicated accordingly and no longer contribute to the degree of utilization.

The payment run determines and adds together the direct debits in the period under consideration. The payment run checks whether the current amount to be collected can be collected in total or only in part, or not at all. If it cannot be collected at all, the items are displayed as an exception with the new indicator 80 (direct debit limit reached). If the amount can be partially collected, the new event 0613 is processed. Here, for example, the call of the clearing control (with clearing type 06D) can distribute the collectible amount to the items. The items that cannot be collected become payment exceptions with the indicator 80.

Effects on Customizing


In the master data maintenance, the fields for the direct debit limit are not visible until this indicator has been set in the paying company code.

When you create a new contract account, because no paying company code is known yet, the fields are not visible until the indicator is set in at least one paying company code.
Use

Payment Lot: Return Payment on Account to Clarification

If a payment has been assigned to different partners, contract accounts, and contracts, and some of these assignments are incorrect, the amounts concerned are to be returned to the clarification account.

If open items are cleared by the payment, there may be a partial reset of the clearing. However, until Release 6.02 there was no same option if the payment had been posted on account.

You can now use the new transaction Return Payment on Account to Clarification to return individual items posted on account to the clarification account.

In the menu you can access the transaction under Account -> Return Payment on Account to Clarification.
Use

As of SAP ERP 6.0 Enhancement Package 2 (Release 6.02), you can use the following new functions in *Invoicing in Contract Accounts Receivable and Payable*:

- **Release/Adjustment of Cash Security Deposits**
  
  In the **invoicing process**, you can do the following with the new invoicing function **Release/Adjustment of Cash Security Deposits**:
  
  - Release cash security deposit credits for clearing and for outgoing payment
  
  - Adjust cash security deposit amounts (for example, dependent on the consumption behavior of the customer)

  You can view the documentation for this invoicing function under **Release/Adjust Cash Security Deposit**.

- **Transfer Open Items**
  
  In the **invoicing process**, you can use the new invoicing function **Transfer Open Items** to transfer open items from any contract account to the contract account to be invoiced.

  During the invoicing, you can further process the posting items resulting from this transfer. For example, the items could be cleared as part of the account maintenance of invoicing.

  You can view the documentation for this invoicing function under **Transfer Open Items**.

- **Activating Line Items Posted before Invoicing**
  
  The selection option **Selection via Invoicing Order** (table DFKKINV_TRIG) has been added to the existing invoicing function **Activation of Line Items Posted before Invoicing**.

  If you want certain open items that are to be activated to be able to trigger invoicing themselves, there must be an invoicing order of the source document category ACTIT for these items.

  The invoicing order can then be created automatically when the open item to be activated is posted. This is controlled by means of posting area 2627.

  As a result, the items are activated by the invoicing processes that can process the source document category ACTIT.

  You can view the documentation for this invoicing function under **Activate Open Items**.

- **Stamp Tax**

  In the **invoicing process**, you can calculate, post, and forward stamp tax using the new invoicing function **Stamp Tax**.

  If the stamp tax is passed on to the business partner, then the resulting posting document has the posting date, document date, and due date of the invoice. For this document, reference document type 0BOL is used in the invoicing document. The business partner items posted are shown in the invoicing document as items with **type of invoicing item 0BOLLO**. These items can be
considered in the final invoice amount.
In the invoicing reversal, you can use the corresponding function to process stamp tax; at event 2669, you can calculate, post, and forward stamp tax.
At event 2668, you can prevent the receivable being reversed in the invoice reversal by a stamp charges created during invoicing and forwarded to the customer.

Clarification
You can create clarification cases manually or automatically in various processes of Invoicing in Contract Accounts Receivable and Payable. There is a clarification process for the asynchronous manual postprocessing of clarification cases. You can also clarify clarification cases automatically.

In the invoicing process you can use the new invoicing functions Plausibility Checks for Source Document and Plausibility Checks for Invoicing Document to determine and run checks for source or invoicing documents. Dependent on the result of the check, this can lead to the creation of a clarification case. Contract account checks and error messages in the invoicing process can trigger the creation of a clarification case. In the mass creation, the clarification case is created automatically; in the individual creation, you can decide in dialog whether to create a clarification case. Clarification cases can be clarified automatically in the invoicing process.
In the transfer of billing documents from external billing systems using a BAPI or IDoc interface, billing documents can be checked, recognized as implausible, and clarification cases can be created. Use the interface parameter CFCVALIDATION to check billing documents when they are transferred. When you import a billing document reversal or adjust a billing document, you can complete unclarified clarification cases of the billing document automatically.

In the analysis of invoicing orders you can check the source documents and create clarification cases for the source document or contract account manually.

With the clarification processing in dialog, you can process and complete clarification cases. It provides the clarification worklist, supports your individual selection of clarification cases, and displays the data of the clarification case on a detail screen.

Effects on Customizing

You define the system settings for posting stamp tax (Bollo) in the Implementation Guide for Contract Accounts Receivable and Payable under Basic Functions -> Special Features of Tax Processing -> Stamp Tax (Bollo) (Italy).

PSCD_COLLECTIONS_MANAGEMENT: Integration with Customer Relationship Management

Use

In Financial Customer Care, you can display information such as the last customer payment in Additional Information. This information is displayed using function modules registered in Customizing. The function module that you assign to CRM profiles in another step determines the necessary data in FI-CA.

A prerequisite for this is that you have defined search profiles in Customizing for Customer Relationship Management under Interaction Center WebClient -> Industry-Specific Functions -> Integration with Contract Accounts Receivable and Payable (FI-CA) -> Define Search Profile for Account Balance.

Effects on Customizing

In the Implementation Guide of Contract Accounts Receivable and Payable under Integration -> Customer Relationship Management -> Additional Information in IC WebClient, you define the function modules for displaying additional information and assign them to CRM profiles.
**PSCD_COLLECTIONS_MANAGEMENT: Installment Plan**

**Use**

*Update or Reverse Creditworthiness*

For each installment plan category, you can define a creditworthiness value that is assigned to the relevant business partner (see *Define Categories for Installment Plan* IMG activity). Using the deactivation reason, you can reverse the creditworthiness value if necessary (see *Define Deactivation Reasons for Installment Plan* IMG activity).

**Effects on Customizing**

In the Implementation Guide for Contract Accounts Receivable and Payable under *Business Transactions -> Deferral and Installment Plan*, you can make the following settings:

- **Define Categories for Installment Plan** In this activity you can define a creditworthiness number for each installment category. On the creation of an installment plan it is assigned to the related business partner.

- **Define Deactivation Reasons for Installment Plan** Using the deactivation reason, you can define whether a creditworthiness entry that was updated on the creation of an installment plan should be reversed.
PSCD_Collections_Management: Information Container

Use

As of SAP ERP 6.0, Enhancement Package 2 (Release 6.02), you can use the information container as a tool to save information within a specific process, such as returns processing, to send it to an external system later using a mass activity.

You can define the processes for which information container entries can be created in the Implementation Guide for Contract Accounts Receivable and Payable under Integration -> Information Container -> Settings of Information Container Categories. There you can also restrict the creation of information container entries to a period.

The data contained in the information container entries is sent via a mass activity in the SAP menu under Periodic Processing -> Transfer Data -> Information Container -> Forward Information (transaction FPINFCO1).

You define the type of forwarding in Customizing in the activity Make Settings for Information Container Categories. You can use the following send types for each process:

- XI Interface
  The prerequisite is that there is an XI interface for the corresponding information container category.

- Remote Function Call (RFC)
  The data is sent by the call of event 3703. To use the send type RFC, you have to call an RFC-capable function module in the external system at event 3703.

- Save in File
  If you select the send type Save in File, event 3704 is called. In order to save the data in a file, the implementation of the event function module must return file content. This content is created from the send data.

You receive information about the information container entries saved and the status of the send in the SAP menu under Periodic Processing -> Transfer Data -> Information Container -> Display Information Container (transaction FPINFCO2).

You can reset the send status for test purposes. To do this, in the SAP menu choose Periodic Processing -> Transfer Data -> Information Container -> Reset Send (transaction FPINFCO3).

You can define own information container categories in addition to those delivered by SAP.

You can add your own data to the data of the individual information container categories. To add data saved for an information container entry, you can use event 3701.

To add down data to the send data, you can use event 3702.

Using event 3701, you can also:

- Change the number of days up to which data can no longer be sent. In the standard the value is set to 100 days.

- Define the recipient to which the data of the information container entries is sent. If several recipients are specified, the same data is sent to the different recipients.

- For specific situations, define that no new information container entry should be
You can use the functions of the information container in the following processes:

- **Returns** (information container category 0001)
  Within returns processing, you can create information container entries, provided you have entered the category *0001* in the IMG activity **Make Settings for Information Container Categories** and activated the information container in the **Returns: Specifications for Changing Returns Reasons activity**.
  You cannot send data using an XI interface for the information container category *Returns*.

**Effects on Customizing**

In the Implementation Guide for Contract Accounts Receivable and Payable, under **Integration -> Information Containers -> Define Information Container Categories**, you can define further information container categories.

In the Implementation Guide for Contract Accounts Receivable and Payable under **Integration -> Information Containers -> Make Settings for Information Container Categories**, you can activate information container categories and define the send type.

In the Implementation Guide for Contract Accounts Receivable and Payable under **Integration -> Information Containers -> Settings for Processes -> Returns: Specifications for Changing Returns Reasons**, you can activate the creation of information container entries within the returns activities.
As of SAP ERP 6.0 Enhancement Package 2 (Release 6.02), in Contract Accounts Receivable and Payable, you can use new Enterprise Services as XI interfaces.

In Enterprise Service Repository, for the software component FI-CA, under FI-CA 700 -> http://sap.com/xi/FICA/Global -> Service Interfaces, you can use the following XI interfaces:

- CashPointPaymentCreateNotification_In
- CashPointPaymentReverseNotification_In
- CashPointClosingDocumentNotification_In
- CashPointOpenItemSummaryNotification_In
- CashPointOpenItemSummaryByElementsQueryResponse_In
- CollectionsWorkListNotification_Out
- CollectionsWorkListItemCancellationNotification_Out
- CollectionsWorkListItemStatusByCollectionsWorkListItemIDQueryResponse_Out
- CustomerInitiatedPaymentReceivedBulkNotification_Out

Namespace FICA/Global/Testing

SAP provides corresponding test interfaces for the XI interfaces named above.
Use Payments via External Cash Desk Services

As of SAP ERP 6.0, Enhancement Package 2 (Release 6.02), Contract Accounts Receivable and Payable enable you to process payments from your customers using external cash desk services.

FI-CA differentiates between two branch categories for the external cash desk services - branches of the category Offline and Agent. You can continue to use the full functions of the cash journal in FI-CA; it is completely independent of the external cash desk services. In the cash journal you can enter and post payments directly in the SAP system.

The external cash desk services consist of the following services, whereby the transfer of the data between the SAP system and the external cash desk system can be synchronous or asynchronous via the SAP Exchange Infrastructure (XI).

- **CashPointPaymentCreateNotification**
  The CashPointPaymentCreateNotification service is an asynchronous process that sends payments to an external cash desk to FI-CA.

- **CashPointPaymentReversalNotification**
  The CashPointPaymentReversalNotification service is an asynchronous process that sends the reversal of a payment to an external cash desk to FI-CA.

- **CashPointClosingActivityNotification**
  The CashPointClosingActivityNotification service is an asynchronous process that sends the cash desk closing of an external cash desk to FI-CA.

- **CashPointOpenItemSummaryNotification**
  The CashPointOpenItemSummaryNotification service is an asynchronous process that sends a list of open items from FI-CA to the external cash desk system. A mass activity extracts the data in FI-CA.

- **CashPointOpenItemGetSummaryQuery**
  The CashPointOpenItemGetSummaryQuery service is a synchronous process. The external cash desk sends a query to FI-CA; for example, all open items for a business partner are selected in FI-CA and sent to the external cash desk system.

The cash desks of the cash journal in FI-CA are linked directly with the SAP system. In FI-CA, you can use the cash journal to enter payments directly in the system, evaluate them, and run follow-on postings such as deposits, withdrawals, differences and reversals to the cash desk balance.

In the case of the offline branch or an agent, the cash desks where the payments are processed are not permanently connected to FI-CA in the SAP system. For an offline branch and an agent, currently only XI messages can be received that refer to incoming payments to external cash desks. Outgoing payments to external cash desks are currently not supported.

**Post Payments**:

- **CashPointPaymentCreateNotificationService**
  For incoming XI messages that refer to incoming payments, the system tries to post the payments directly. Dependent on the specifications for clearing control and the selection specifications, the payment can be posted directly. Payments that could not be posted directly receive the status R.

- **Post Payments in Repetition Mode**
  You can automatically select payments received via XI and that could not be posted
directly via the repetition process and trigger their posting again. If the repetition process also fails, the incoming payments are transferred to a payment lot. For a repetition process you can define whether unsuccessful payments are to be transferred to an existing or new (to be created) payment lot and whether the payment lot created is to be closed and, if necessary, also posted.

Reverse Payments: CashPointPaymentReversalNotificationService

The external cash desk system can reverse payments received via XI. An XI message that refers to a reversal of an existing external payment is received by the SAP system and posted directly in FI-CA. Reversals that could not be executed directly receive the status D.

Swap Open Items to Be Paid

You can swap open items for a business partner between the external cash desk system and the SAP system using SAP Exchange Infrastructure (XI).

Agent Posting

For the reconciliation between the SAP system and the external cash desk system you can create an agent posting receivable from the external cash desk system or the agent. The agent postings are posted to a separate contract account that you can define in the master data for external cash desk services.

Monitor for External Cash Desk Services

The Monitor for External Cash Desk Services (see SAP menu: Payments -> External Cash Desk Services) enables you to manage and monitor payments received via the SAP Exchange Infrastructure. For example, you can access master data, agent postings, and successful messages for external payments. You can make the data selection at the level of the external cash desk or the agent and using further selection criteria.

On the Overview, XI Monitor, Payments, and Agent Postings, you can use the following functions:

- **Overview**
  Here you can select the grouping key and the master data by date and date intervals. The selection by master data delivers all payments with their respective status as well as the specification of the agent or the cash desk. The selection by grouping key delivers the status of all grouping keys for external payments. If the status is incorrect, here you can, for example, repeat postings to correct the error and then determine the new status via a refresh.

- **XI Monitor**
  Here you can navigate directly to the XI messages for a message category.

- **Payments**
  On this tab page you receive information about all payments according to their respective status. In addition, you can also, for example, repeat postings, add payments to payment lots and display payment lots, agent information, and the note to payee.

- **Agent Postings**
  This tab page displays all payments for a grouping key. Here you can monitor individual payments of a grouping or individual XI messages. To reach a specific balance, you can manually post differences for a grouping key.

Effects on Customizing

You make the required settings in the Implementation Guide of Contract Accounts Receivable and Payable under Business Transactions -> Payments -> Processing
of Incoming/Outgoing Payments -> External Cash Desk Services. Here you define:

- HyperLink: SIMG._FICABTPY_EXTCDS **Cash desk structure**
- **Master data for external cash desk services**
- HyperLink: SIMG._FICABTPY_FQH4 **Cash desk clearing accounts**
- HyperLink: SIMG._FICABTPY_FQEXC1 **Specifications for agent posting**
- **Document types for postings for external cash desk services**
- **Clearing accounts for payment lot for external cash desks**
Use

*Foreign Currency Valuation*

You can assign a ledger group to a valuation area. This has the following effects for the foreign currency valuation:

- The adjustment documents created are assigned to a ledger group as far as possible.
- Where there is a 1:1 assignment between valuation area and ledger group, you no longer have to define separate adjustment accounts per valuation area.
- The importing parameter *Ledger Group* has been added to the interface of event 0580.
- Transaction *FPW2* for displaying the log records also displays the ledger group (see SAP menu: *Periodic Processing -> Closing Preparations -> Foreign Currency Valuation*).

**Effects on Customizing**

*Valuation Areas*

PSCD_Collections_Management: Billing in Contract Accounts Receivable and Payable

Use

As of SAP ERP 6.0 Enhancement Package 2 (Release 6.02), billing is accommodated in Contract Accounts Receivable and Payable.

Billing in Contract Accounts Receivable and Payable allows you to import and bill Event Detail Records (EDR) from different external rating systems. The billing function creates billing documents that are invoiced using Invoicing in Contract Accounts Receivable and Payable. Contract Accounts Receivable and Payable thus supports the invoice creation process as follows:

- **Billing in Contract Accounts Receivable and Payable**
  - Transfer for EDRs that were valuated in the rating system
  - Aggregation of EDRs with regard to the service products defined in the service contract, based on a stipulated billing cycle

- **Invoicing in Contract Accounts Receivable and Payable**
  - Cross-service invoicing of different billing flows
  - You can invoice billing documents from Billing in Contract Accounts Receivable and Payable as well as billing documents from external billing systems.
  - Create an invoice that can be transmitted to the customer on paper or electronically

- **Contract Accounts Receivable and Payable**
  - Monitoring of the payment of the open items associated with the invoice

The billing process in Contract Accounts Receivable and Payable comprises the following steps:

- **Import billing accounts from an external CRM system by means of a BAPI interface**
  EDRs are imported and billed in Billing in Contract Accounts Receivable and Payable with reference to billing accounts. These billing accounts must first be imported. The billing accounts exist in an external CRM system (for example, SAP CRM) and can be transferred to Billing in Contract Accounts Receivable and Payable by means of a BAPI. The BAPI BAPI_FKKBI_BILLACCOUNT_UPDATE is provided for this purpose. You also use the BAPI to make changes to the billing accounts. You cannot make changes to billing accounts in Billing in Contract Accounts Receivable and Payable itself.
  The components of an invoice to be billed for a billing account are defined using billing account items.

- **Import the EDRs from external rating systems by means of a BAPI interface**
  You can process EDRs of different EDR categories in Billing in Contract Accounts Receivable and Payable. Each EDR category has a defined data structure. The standard SAP contains the EDR category TOLLCOLL for billing tolls. You can transfer EDRs for the EDR category TOLLCOLL from external rating systems by means of the BAPI BAPI_EDR_TCOLL_CREATEMULTIPLE. A comprehensive enhancement concept allows you to define project-specific EDR categories.

- **Create billing orders**
Billing cycles enable you to bill billing accounts at regular intervals with Billing in Contract Accounts Receivable and Payable. To this end, you create billing orders that are executed by the billing process. The billing order relates to a contract account.

- **Billing of billing orders**
  When you execute a billing order, the system bills the billing accounts that have the same billing cycle, which are assigned to a contract account. When billing is performed for a billing account, a billing period, which determines which EDRs of the billing account are billed, is created. Thus, for example, all of the EDRs, which have been transferred to Billing in Contract Accounts Receivable and Payable since the last billing run and until the 15th of the current month, are billed for the billing account.

Besides EDR billing, Billing in Contract Accounts Receivable and Payable also supports the billing of non-EDR-based invoice components, such as the basic charge of a service contract based on the contract term, or the charge for providing a technical device. To this end, you define billing account items for non-EDR-based billing for the relevant billing accounts in Billing in Contract Accounts Receivable and Payable.

Executing a billing order creates a billing document that is invoiced using Invoicing in Contract Accounts Receivable and Payable.

**Effects on Customizing**

PSCD_COLLECTIONS_MANAGEMENT: Integration with Business Intelligence

Use

*Extraction of Business Partner Items*

You can now extract all business items, both real and statistical items, for evaluation of receivables and payables in *Business Intelligence* (BI). You can run the extraction as full update, delta initialization, and delta update.

**Prerequisites**

If you want to use the delta procedure, you first have to activate it in the Implementation Guide for Contract Accounts Receivable and Payable under Integration -> Business Intelligence-> Maintain Central Settings. Run the delta extractions as soon after the activation as possible.

If you also want to extract the write-off reason of individual business partner items, you have to specify this under Integration -> Business Intelligence -> Make Central Settings.

**Extrakt structure**

The extract structure *FKKOPBW_DELTA* contains all fields that could be relevant for the evaluations in BI, but the DataSource delivered with the BI content only extracts the most important of these fields. If you need additional fields for your individual evaluation, you have to adjust the DataSource accordingly and replicate it in your BI system.

**Delta Update**

The delta procedure is realized with the update of a delta queue. Transactions that create or change the business partner items do not update the delta directly (for example, *Post Document (FPE1)*). Instead, they only save the document numbers in a trigger table. A new mass activity enables the update in the delta queue (see SAP menu Periodic Processing -> Extraction for Business Intelligence -> Business Partner Items with Delta Procedure -> Delta Queue for Business Partner Items).

The delta procedure *After Image via Delta Queue* (AIM) is used.

The parallelization object of the mass activity is a three character figure. If the last three figures of the document number are numerical, the system uses these for the parallelization object. Otherwise the system uses a random generator to generate a three character figure for each document.

**Connection to Archive**

The extractor *0FC_BP_ITEMS* supports the connection to archives. For the extraction from archives you can create and schedule *InfoPackages* in full update. Note that with selection by date of entry of a document (*CPUDT*), you cannot access the archive and you have to preselect the archive files to be selected when you create info packages.

**Deletion of Triggers**

You can delete the document numbers that trigger the delta update from the trigger table after the extraction (see SAP menu Periodic Processing -> Extraction for Business Intelligence -> Business Partner Items with Delta Procedure -> Delete Triggers). However, you should not delete triggers for documents that will probably be changed again in the future. For example, receivables documents or documents with repetitions that are cleared periodically.

You can restrict the document numbers to be selected by the date the document was created or last changed. The final date of the selection must not be after the date of the
last successful delta extraction. For security purposes, we also recommend a safety interval of 90 days between the final date of the selection and the current date. You can also restrict the triggers to be delete by selection of the document number. If you define an own number range for documents with repetitions that are to be cleared periodically, you can exclude these directly, for example.

Reconciliation with General Ledger

You can reconcile the business partner items extracted with the balances of the corresponding G/L accounts in the general ledger in the BI system. The prerequisite for the reconciliation is that the extractions of the FI-CA business partner items and the G/L items in the general ledger take place in close succession and that you only run the reconciliation for closed posting periods.

Extraction of Dunning History and Dunning Activities

As of SAP ECC 6.0, Enhancement Package 2 (Release 6.02), you can extract all dunning headers, dunning items, and dunning activities for the evaluation of dunning notices in Business Intelligence (BI). The extraction takes place with the dunning run. You can run the extraction as full update, delta initialization (with/without data transfer), and delta update.

The extract structures FKKMAKOBW_DELTA, FKKMAZEBW_DELTA, and FKKMACTBW_DELTA contain all fields relevant for the valuation in BI. The DataSource delivered with the BI content only extracts the most important of these fields. If you need additional fields for your individual evaluation, you have to adjust the DataSource accordingly and replicate it in your BI system.

Full Update/Delta Initialization with/without Data Transfer

The extractor supports the selection by date ID in both modes where dunning histories and dunning activities are transferred from the ERP system to the BI system.

Delta Update

Transactions that create or change dunning activities (such as FPVB, FPVV) call function modules for the update of the delta queue. You must have run a delta initialization once before you can run a delta update. The delta procedure After Image via Delta Queue (AIM) is used.

Update after termination of the dunning run

If a dunning run terminates, the system also terminates the update of the delta queue. Once you have restarted the terminated dunning run and completed it successfully, in the SAP menu under Periodic Processing -> Extraction for Business Intelligence -> Dunning History/Dunning Activities with Delta Procedure -> Update Delta Queue after Termination, you can write the data transferred after the termination to the delta queue and thus remove the data inconsistency caused by the termination.

Effects on Customizing

You make the settings for the extraction of data from Contract Accounts Receivable and Payable (FI-CA) in the Implementation Guide for Contract Accounts Receivable and Payable under Integration -> Business Intelligence -> Make Central Setting.

In this activity you activate the delta extraction for business partner items and the dunning history. For the dunning history you can activate the delta extraction for dunning items and dunning activities (both optional); the dunning headers are always extracted. Here you can also define whether the information about the write-off reason of individual business partner items is to be selected in the extraction.
**PSCD_COLLECTIONS_MANAGEMENT: Archiving**

**Use**

*New Archiving Object: Promise to Pay*

You can archive promises to pay with the new archiving object `FI_MKKPP`. The prerequisites for the archiving are described in the documentation of report `RFKKPPAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*New Archiving Object: External Payment Information*

You can archive data for external payment information with the new archiving object `FI_MKKEXC`. The prerequisites for the archiving are described in the documentation of report `RFKKEXCAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*New Archiving Object: Totals Records for External Payment Information*

You can archive totals records for external payment information with the new archiving object `FI_MKKEXCS`. The prerequisites for the archiving are described in the documentation of report `RFKKEXCSAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*New Archiving Object: Collection Worklist*

With the new archiving object `FI_MKKWL` you can archive data for collection worklists. The prerequisites for the archiving are described in the documentation of report `RFKKWLRAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*New Archiving Object: Collection Work Item*

With the new archiving object `FI_MKKWLI` you can archive data for collection work items. The prerequisites for the archiving are described in the documentation of report `RFKKWLRAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*New Archiving Object: Information Container*

With the new archiving object `FI_MKKINF` you can archive data for information containers. The prerequisites for the archiving are described in the documentation of report `RFKKINFAR01` (see SAP menu: *Periodic Processing -> Archive Data*).

*Enhancement for Business Partner Archiving (Archiving Object CA_BUPA)*

The notes for master data groups are also archived. There are no additional checks.

*Enhancement to Archiving of Dunning History (Archiving Object FI_MKKDUNN)*

In addition, database table `FKKMACTIVITIES` is archived with no further checks.

*Enhancement to Archiving of Convergent Invoicing (Archiving Object FI_MKKTHI)*

History entries contained in database table `DFKKTHI_HIST` are also archived.

*Enhancement to Document Archiving (Archiving Object FI_MKKDOC)*

In the archiving of FI-CA documents, the entries of the database table `DFKKOPWH` are also archived.

**Effects on Customizing**

You maintain the archiving lives and the respective archive information structure for the following archiving objects in the Implementation Guide for Contract Accounts Receivable and Payable.

- Promise to pay (`FI_MKKPP`)
  
  Choose *Business Transactions -> Promise to Pay -> Archiving*
- External payment information (FI_MKKEXC)
  Choose Business Transactions -> Payments -> Processing of Incoming/Outgoing Payments -> External Cash Desk Services -> Archiving.

- Totals records for external payment information (FI_MKKEXCS)
  Choose Business Transactions -> Payments -> Processing of Incoming/Outgoing Payments -> External Cash Desk Services -> Archiving.

- Collection worklist (FI_MKKWL)

- Collection work item (FI_MKKWLI)

- Information container (FI_MKKINF)
  Choose Integration -> Information Container -> Archiving
Use

Balances variants in account balance

In addition to the existing totals in the account balance display, you can configure balances variants in Customizing. The individual balances are summarized to balances groups and displayed as tables. This means that a balances category (row), for example, receivables or items in an installment plan, subdivided further by a balances grid (column) such as open, due, or due in 30 days.

You have to calculate additional balances using event 1299.

Effects on Customizing

Maintenance of Balances Variants in Customizing

You configure balances groups in the Implementation Guide for Contract Accounts Receivable and Payable under Basic Functions -> Account Balance Display -> Define Balances Groups. Here you define which balances categories are to be used in the rows for the table display and which balances grid is to be used in the columns.

You summarize the balances groups into balances variants in the activity Define Balances Variants. You can also hide individual balances for a balances variant.
Business Function PSM, Grantor Integration (PSCD)

PSCD_GRANTOR, PSM Grantor Integration (PSCD) (New)

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Grantor Management (GM-GTR) is fully integrated with Public Sector Collections and Disbursements (PSCD). This means you can:

Create/change precommitments and forecast of revenue documents based on a CRM application

Create/change commitments and forecast of revenue documents based on a CRM agreement

Use the new multi-funding feature to define various funding sources that, in turn, define the percentage distribution and the relevant account assignments

Use automatic creation of a funded program based on a CRM program

Create/change open items in PSCD

Effects on Customizing

Use the following steps in Customizing to configure GM-GTR integration with PSCD:

Master Data

- Maintain Grantor Derivation Strategies
- Maintain Customer-Specific Condition Fields
- Maintain Grantor Rule-Based Account Assignment Distribution
- Business Add-Ins for Grantor Management Master Data
  - BAdI: Grantor Management Derivation Enhancement
  - HyperLink: SIMG.BADI_PSM_MEASURE_REPL
  - BAdI: Funded Program Wrapper

Integration with Public Sector Collections and Disbursements (PSCD)

- HyperLink: SIMG.GTR_PREPARE_INT
  - Integration Scenarios
- HyperLink: SIMG.SIMG_GTR_PROGPROFIL
  - Edit Program Profile
- HyperLink: SIMG.SIMG_GTR_BILLINV
  - Define Invoicing Parameters
- Business Add-Ins for Integration
  - BAdI: Summarize CRM Data for Creating/Changing Funds Reservations
  - BAdI: Extract and Use Enhanced Data from CRM
**Business Function PSCD, Tax Return Processing**

**PSCD_TRM_RETURN_PROCESSING: PSCD, Tax Processing (New)**

**Use**

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, the Business Function PSCD, Tax Processing is available. This Business Function supports the registration of taxpayers and the processing of tax returns. You can use it to create taxpayers and/or contract accounts for taxpayers in the system. Map the dates by which the taxpayer must submit a tax return with the help of inbound correspondence requests in the system.

SAP supports different channels through which the submitted tax returns can reach the system. For example, you can scan tax forms into the system. The data on the tax returns is validated in the system automatically. Follow-on activities can be triggered and the tax owed is calculated by the Business Rule Framework. You can then invoice the billing documents that the system generates with this. The system includes the billing results in the invoicing document for his and derives the postings from the billing data in Contract Accounts Receivable and Payable.

See the following release information for more information:

- **PSCD_TRM_RETURN_PROCESSING: Registration of Taxpayers (New)**
- **PSCD_TRM_RETURN_PROCESSING: BRF (Tax Validation/Calculation (New)**
- **PSCD_TRM_RETURN_PROCESSING: Billing for TRM (New)**
- **PSCD_TRM_RETURN_PROCESSING: Invoicing of Billing Documents in TRM (New)**
- **PSCD_TRM_RETURN_PROCESSING: Generating Forms (New)**
- **PSCD_TRM_RETURN_PROCESSING: Processing Tax Returns (New)**
- **PSCD_TRM_RETURN_PROCESSING: Revenue Types (New)**
- **PSCD_TRM_RETURN_PROCESSING: Uploading Forms (New)**
- **PSCD_TRM_RETURN_PROCESSING: Portal Content (New)**

**Effects on Existing Data**

There are changes in the following automatic roles with this Business Function (PFCG roles):

- **SAP_EP_ISPSCA_FICA_TAX**

For more information on how automatic roles are used, see the SAP Library under Roles -> Automatic Roles.

**See also**

For more information, see the SAP Library under SAP ERP Central Component -> Business Function Sets and Business Functions -> Industry Business Function Sets -> Public Services -> PSCD, Tax Processing.
Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can register taxpayers using a Web Dynpro application. It leads the tax officer through the registration process step by step. The main advantage of this Web Dynpro application is that the tax officer does not need any special knowledge about master data, structures, or transactions of the back-end system. The program creates the necessary master data (business partner, contract accounts, contract objects) automatically once the registration process has been completed.

The information relevant for the taxation of an object is saved in the Facts. The different aspects of the taxation are mapped using fact types. The different fact types are grouped into a fact set and each fact set is assigned to a contract object type. This ensures that the information on the contract object relevant for taxation can be entered on registration.

The aspects of a vehicle relevant for taxation can be the tax bracket (for private vehicles), engine size, CO2 emissions, fuel type (petrol or diesel), registration date, payment scheme, and, not to be forgotten, the registration data for example. This data is stored in fact type RG01 which is delivered by SAP. RG01 contains the following data: business partner, contract account, contract object, status, and tax period.

In order to access the registration data relevant for a contract object, you must assign fact type RG01 to the corresponding fact set.

SAP delivers different processing statuses for each registration that control the processing options available for a registration. You can define more statuses in the Customizing of Contract Accounts Receivable and Payable and then program a workflow.

If you need to change master data after you have created the registration, do this in the corresponding transactions in the backend system.

For more information, see the following release information: Portal Content for Tax Officers.

Effects on Existing Data

This function does not affect the data that you have already saved in your system.

Effects on Customizing

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable under the following IMG activities:

- HyperLink: SIMG._ISPSCA_TFMCA_REVTYPE Define Revenue Type
- Assign Contract Object Type to Revenue Type
- Define Specifications for Tax Periods
- In order to configure the facts that you want to use, you must configure the Facts section. Make sure that fact type RG01 delivered by SAP is included in the fact sets.
- To define sample values that the program should use when creating contract objects and contract accounts, perform the following IMG activities:
  - Define Sample for Contract Account Categories
  - Define Sample for Contract Account Types
See also

For more information, see the SAP Library under *Registration of Taxpayers*. 
**PSCD_TRM_RETURN_PROCESSING: BRF Tax Validation/Calculation (New)**

**Use**

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can use the **Business Rules Framework** (BRF) to map rules for the validation and calculation of object-based and form-based taxes in the system. For object-based tax, the tax liability constitutes an object (such as, vehicle tax). Taxes for which the taxpayer has to submit a tax return (such as income tax) are known as form-based taxes. The BRF is called in the single and mass transactions for calculating object and form-based tax and also for the validation of forms from the application for processing tax returns. Information on the latter can be found in the release information PSCD_TRM_RETURN_PROCESSING: Processing Tax Returns (New).

Each application used in the BRF is assigned to an application class. This ensures that different applications do not affect each other. SAP delivers the following application classes that contain all implementing classes that you can use for the tax validation and calculation.

- TRM_TEMPLATE_FORM for form-based tax
- TRM_TEMPLATE_OBJECT for object tax
- TRM_TEMPLATE_OBJECT_TIME for object tax with time-dependent data

You can copy these implementing classes into your own application classes in IMG activity *Copy Implementing Classes*. The name of the implementing classes in the following list are the names in the application classes delivered.

In addition to the expression and action types that are available in the BRF as standard, there are a number of additional functions that you can use.

**Context Information**

When calling the BRF for the tax calculation, the system writes the data that it needs for the calculation and validation in a buffer by default which you can access. You can also load more data from each table to the context buffer. You can then access this data the same way.

Container of the context is an event. To define events in Tax and Revenue Management (TRM) always use the implementing class 0FICAEVENT.

**Actions**

Actions map manipulations of datasets and are used to map rules in the BRF. SAP delivers the following actions for tax validation and calculation that you can use as well as the actions that are available in the BRF as standard.

<table>
<thead>
<tr>
<th>Description of Action</th>
<th>Implementing Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Get context data</td>
<td>0FICAIN001</td>
</tr>
<tr>
<td>Create billing document</td>
<td>0TRMBI001</td>
</tr>
<tr>
<td>Create additional item of billing document</td>
<td>0TRMAI001</td>
</tr>
<tr>
<td>Set block</td>
<td>0TRMSL001</td>
</tr>
<tr>
<td>Issue message</td>
<td>0TRMMSG001</td>
</tr>
<tr>
<td>Create inbound correspondence request</td>
<td>0TRMIC001</td>
</tr>
</tbody>
</table>
Set date of receipt 0TRMSR001
Define form rules 0TRMFO001
Define values for revenue distribution 0TRMRD001
Implicit registration 0TRMIR001
Start workflow 0TRMWF001

Expressions
In an expression, data of the application or data of objects related to the application (for example, business partner data) are processed in accordance with a rule (such as a calculation rule) you can define yourself. Once the system has processed the data, the expression returns any primitive type (such as a date) as a result. SAP delivers the following expressions for tax validation and calculation that you can use as well as the expressions that are available in the BRF as standard.

<table>
<thead>
<tr>
<th>Description of expression</th>
<th>Implementing class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculate charges</td>
<td>0TRMPEN001</td>
</tr>
<tr>
<td>Calculate interest</td>
<td>0TRMIN001</td>
</tr>
<tr>
<td>Read fact value</td>
<td>0TRMRF001</td>
</tr>
<tr>
<td>Request from/to date of a period</td>
<td>0TRMRP001</td>
</tr>
<tr>
<td>Request XML value</td>
<td>0TRMRX001</td>
</tr>
<tr>
<td>Gradual calculation</td>
<td>0TRMPC001</td>
</tr>
</tbody>
</table>

Time-dependent expressions
You can create expressions that are time-dependent, this means that they return different values for different time segments (time slices). Implementing classes available as standard in the BRF were copied and enhanced for this so that they provide time-dependent return values. The following implementing classes for time-dependent expressions are available for this.

- 0TRMAO001 (and/or of Boolean expressions)
- 0TRMF001 (calling a function module)
- 0TRMCE001 (CASE expression)
- 0TRMPM001 (truth table)
- 0TRMAO001 (Boolean expression with three variables)
- 0TRMF002 (SAP formula interpreter)
- 0TRMRE001 (range expression)

If you use an expression with implementing class 0TRMTSM001, you can multiply a value by the length of the time slice in which it is valid. Define the corresponding time unit for this (for example, month or year).

With an expression with implementing class 0TRMTSA001, you can use time slices to aggregate, for example, map the total of all time slices. The return value of the expression is then no longer time-dependent.

If you use a time-dependent expression in the action when creating billing documents, you can create your own billing document for each time slice.
Events

Events P300 and P301 are available when creating additional items for the billing document. For more information, see the documentation on the sample function modules.

**FMCA_SAMPLE_P300** (Derive texts for maintaining additional items) and **FMCA_SAMPLE_P301** (Substituting additional items)

Effects on Customizing

You define the Customizing settings for this function in the Customizing of *Contract Accounts Receivable and Payable* in the following IMG activities:

- Create Application Class Client-Independent
- Copy Application Class
- Define Additional Settings for Application Class
- Copy Implementing Classes
- Define Time Units for Time Slices
- Define Main/Sub-Transaction for Open Items
- Generate Expressions for Forms
Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can create billing documents for form-based and object-based tax. The programs use the Business Rules Framework (BRF) to validate the relevant revenue type and calculate the billing amount. You can use the following functions:

The program **Create Billing Documents for Object-Based Tax** (FMCABILLI) creates billing documents for object-based tax for individual business partners, contract accounts or contracts. You can choose whether you want to create billing documents only (or simulated billing documents), or also invoicing and posting documents, and whether you want to trigger the printing of tax assessments. You can also generate adjustment billing for objects already billed.

For the transaction for individual billing, see the menu of Contract Accounts Receivable and Payable, under **Invoicing -> Dialog Processing -> Generate Billing Documents for Object-Based Tax (Individual Creation)**.

The program **Create Billing Documents for Object-Based Tax** (FMCABILLIM) is a mass activity that enables billing documents to be created for object-based tax for a large number of business partners, contract accounts, or contracts. You can choose whether you want to create adjustment billing for objects already billed and billing documents only simulated. You can also stipulate that objects should only be selected using billing orders. The system creates billing orders when changes to master data make a recalculation of tax necessary.

For the transaction for mass billing, see the menu of Contract Accounts Receivable and Payable, under **Invoicing -> Parallel Processing -> Create Billing Documents for Object-Based Tax**.

If an object for the taxpayer was already billed and an adjustment billing takes place, the system creates adjustment billing documents.

So that contracts cannot be billed more than once when they are assigned to different business partners and contract accounts, the billing-relevant master data must be defined in the facts. SAP delivers fact type BILL for this. Assign the BILL fact type to this. Assign the BILL fact type to the relevant fact set. You can also define that contracts should be billed proportionally for different business partners and contract accounts by specifying a percentage. Note that the proportionate distribution does not take place automatically; the facts have to be evaluated accordingly in BRF. The BILL fact type contains the following data: business partner, contract account, contract object, and percentage.

The program **Validation and Billing of Tax Returns and Requests** (Individual Creation) (FMCAFOBIS) creates billing documents for form-based tax for individual business partners, contract accounts, or contracts. You can choose whether you only want to create billing documents (or simulated billing documents), or also invoicing and posting documents and whether you want to trigger the printing of tax assessments.

For the transaction for individual billing, see the menu of Contract Accounts Receivable and Payable, under **Invoicing -> Dialog Processing -> Validation and Billing of Tax Returns and Requests (Individual Creation)**.

The program **Validation and Billing of Tax Returns and Requests** (FMCAFOBI) is a mass activity that enables billing documents or simulated billing documents for form-based tax to be created for a number of business partners, contract accounts, or contracts.

For the transaction for mass billing, see the menu of Contract Accounts Receivable and Payable, under **Invoicing -> Parallel Processing -> Validation and Billing of Tax**.
Returns and Requests.

Effects on Customizing


Note: In IMG activity Define Error Messages for Billing Clarification Cases, you can define error messages that result in clarification cases in billing.

Settings must be defined in the following IMG activities before you can generate billing documents:

- HyperLink: SIMG._ISPSCA_TFMCA_REVTYPE Define Revenue Type
- Assign Contract Object Type to Revenue Type
- HyperLink: SIMG.ISPSCA_TFMCA_BRFEVEN Assign BRF Events to Revenue Type
- Define Specifications for Tax Periods

See also

For more information, see the SAP Library under SAP ERP Central Component -> SAP Public Sector Tax and Revenue Management -> Billing/Invoicing in Tax and Revenue Management (TRM).
**PSCD_TRM_RETURN_PROCESSING: Invoicing of Billing Documents in TRM (New)**

**Use**

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can invoice billing documents that were created in Tax and Revenue Management (TRM).

You must distinguish between object-based and form-based tax when creating billing documents. For object-based tax, the tax liability constitutes an object (such as, vehicle tax). Taxes for which the taxpayer has to submit a tax return (such as income tax) are known as form-based taxes. Different functions are available for this when creating billing documents.

The billing results are included in the invoicing document; postings are derived from the billing data in Contract Accounts Receivable and Payable.

An invoicing history is updated for the processed billing document.

Several billing documents can be processed in an invoicing document. A joint posting document is posted by default for all these billing documents. Alternatively you can define that a separate posting document is posted for each billing document when configuring the invoicing process. You can also define the following in event 2610:

- in which order the billing documents should be processed and displayed in the invoice
- for which billing documents a joint posting document should be created

The functions for creating invoicing documents can be found in the SAP Easy Access Menu:

- **Single processing**
  

- **Mass processing**

  Accounting -> Financial Accounting -> Contract Accounts Receivable and Payable -> Invoicing -> Parallel Processing -> Create Invoicing Document

**Effects on Customizing**

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable under *Integration -> Invoicing in Contract Accounts Receivable and Payable.*
As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can generate forms. You can use these to create forms based on inbound correspondence requests in order to map the delivery of forms for income tax returns in the system. These forms are sent to customers who fill them in and then send them back. After receipt of the filled-in form, it is processed in the system and fulfils the above-mentioned inbound correspondence request amongst others.

To generate forms you use mass activity Generate Inbound Correspondence: Generate Forms and the general mass activity for printing. Both functions can be found in the application menu of Public Sector Contract Accounts Receivable and Payable under Periodic Processing -> For Contract Accounts -> Correspondence. The system selects all existing inbound correspondence requests for each master data record (business partner, contract account, contract object) and creates forms. The system prints a cover sheet and the corresponding form for each inbound correspondence request at the same time.

The program runs event P703 to create the print information for forms. The printout itself is performed using event P702.

Effects on Customizing

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable in the following IMG activities:

- Define Inbound Correspondence Category
- Status for Generating Inbound Correspondence
- Assign Form to Inbound Correspondence
- Define Postings Specifications for Posting Sample Documents

To use the enhanced inbound correspondence functions, activate them in IMG activity Activate Enhanced Inbound Correspondence.

See also

For more information, see the SAP Library under SAP ERP Central Component -> SAP Public Sector Tax and Revenue Management -> Collection and Disbursement (PSCD) -> Enhanced Inbound Correspondence -> Generate Forms.
PSCD_TRM_RETURN_PROCESSING: Processing Tax Returns (New)

Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can process tax returns. For the manual processing of submitted tax returns, a business package was created that models a working environment with a worklist for a tax officer, for example. There is also now an application based on the Web Dynpro for ABAP for the processing of individual tax returns.

The interactive forms were implemented using the internal service request in Tax and Revenue Management (TRM). For information on the functions of internal service requests, see the SAP Library under internal service request. Note that in Tax and Revenue Management (TRM) only scenarios that can be entered using Adobe PDF forms can be mapped.

With the application for processing tax returns, you can check tax returns or change form field values and header data of a tax return. The data for processing as an interactive form is provided for this. With this application you can continue to compare forms and form field values that create notes and create or simulate a tax assessments. In Customizing for Contract Accounts Receivable and Payable, you can define More Links and More Options irrespective of the revenue type.

Effects on Customizing

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable in section Tax Returns and Requests in the following IMG activities:

- HyperLink: SIMG.ISPSCA_FMCA_TRM_SCENARIO Define Forms
- HyperLink: SIMG.ISPSCA_SFP Edit Form Layout
- HyperLink: SIMG.ISPSCA_VC_FMCA_TRM_FORMTYPES Define Form Types
- HyperLink: SIMG.ISPSCA_VC_FMCA_TRM_RCODES Maintain Processing Reasons
- HyperLink: SIMG.ISPSCA_FMCA_TRM_REL_LINKS Useful Links for Tax Processing
- Define Other Options for Tax Processing
- HyperLink: SIMG.ISPSCA_VC_FMCA_TRM_REVTYPES_FB Define Form-Based Revenue Types
- Define Status Schema for User Status for Tax Returns
- HyperLink: SIMG.ISPSCA_V_TFMCA_FPROC Define Form-Based Processes
- Activate Change Documents for Form Views

See also

For more information, see the SAP Library under ERP Central Component -> SAP Public Sector Tax and Revenue Management -> Processing Tax Returns.
PSCD_TRM_RETURN_PROCESSING: Revenue Types (New)

Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can use the revenue types for new functions. Generally, the use of revenue types enables the system to map different types of revenue types (tax and fees) such as income tax, vehicle tax, or nursery school fees. The revenue types support the process of revenue collection in different ways. You can use forms, that you assign to the revenue type, to help you define which information you expect from a taxpayer for a particular revenue type. You can find more information on forms here.

You need the revenue types when determining the relevant BRF event for the automatic validation of tax returns and the calculation of tax amounts using Business Rule Framework (BRF). You can find more information about the Business Rule Framework here. Irrespective of this, you can use revenue types as input parameters for programs that calculate tax.

You can also use revenue types with enhanced inbound correspondence. In this case you can assign your own revenue type to each inbound correspondence category. This way you can define that you expect a different inbound correspondence for trade tax than for income tax for example. You can find more information on enhanced inbound correspondence here.

If you map information on a contract object that is relevant for tax using Facts in the system, you can assign your own revenue type to each part of the fact set. You can find more information on facts here.

When defining revenue types in the Customizing of Contract Accounts Receivable and Payable you can define specifications for the update of revenues.

Effects on Customizing

You define the Customizing settings for this function in the Customizing of Contract Accounts Receivable and Payable in the following IMG activities:

Define Form Types

Maintain Processing Reasons

Define Form-based Revenue Types

Define Revenue Type

Assign BRF Events to Revenue Type
PSCD_TRM_RETURN_PROCESSING: Uploading Forms (New)

Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING), you can update the data of the scanned tax forms or tax returns to the SAP system for further processing.

For uploading you can use migration object PS_RETURN for the migration workbench (transaction EMIGALL). This workbench enables you to upload, split, and process files using parallel jobs.

See also

For more information on this procedure, see the test catalog for the Business Function in test case Data Entry - Migration Workbench.
Use

As of SAP ECC 6.0, Industry Extension Public Sector, Enhancement Package 03, Business Function TRM: Return Processing (PSCD_TRM_RETURN_PROCESSING) SAP delivers a Business Package for tax officers. It provides functions for the manual processing of submitted tax returns that you can call from the Portal.

See also

For more information, see the SAP Library under SAP ERP Central Component -> SAP Public Sector Tax and Revenue Management -> Business Package for Tax Officers 1.3.
Business Function PSM, Sales Order Services

PSM_ESOA_SDINT: PSM, Sales Order Services (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), the business function PSM, Sales Order Services is available. With this business function, you can use Public Sector account assignments within the enterprise services to create, change and query sales orders.

Effects on System Administration

The activation of the Business Function PSM, Sales Order Services is necessary if you use the enterprise services for the sales order and you have activated PSM with additional dimensions (such as fund, funds center, etc.).

To use the enterprise services in Sales and Distribution (SD), you also have to activate the Business Function LOG_ESOA_OPS_2, which is a prerequisite of the Business Function PSM, Sales Order Services.

See also

For more information, see SAP Library under Business Function Sets and Business Functions -> Enterprise Extensions -> Public Sector Management -> PSM, Sales Order Services.
**Business Function PSM, Expenditure Certification**

**PSM_EXP_CERT: Expenditure Certification**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the Expenditure Certification (PSM-EC) solution is available.

PSM-EC has been developed to enable accurate tracking of incurred expenditures made out of public funding obtained by a government agency or local public sector organization. The data on these expenditures is subsequently collected, in order to create a report to external sponsors, such as the European Union (EU).

Certification involves justifying an incurred expenditure by means of a statement confirming that this expenditure complies with the terms and conditions of the financial assistance given by a sponsor. The budget the sponsor provides is linked to **financing sources**. These are linked to the expenditure documents by means of **operations**. Operations represent the sponsored project in PSM-EC.

**Effects on Customizing**

Most customizing for PSM-EC is carried out in the Implementation Guide (IMG). To access this, go to the IMG and choose **Public Sector Management -> Expenditure Certification**. Then maintain the activities there, in sequence. All activities are required, except where flagged as Optional below.

- In the **Maintain Accounting Objects** activity, specify whether you want to work with either the accounting object Work Breakdown Structure (WBS) or with the Public Sector funded program. This information is used subsequently for the posting of expenditure documents.

- In the **Derivation Strategy for Expenditure Certification Operations** activity, create and edit the strategy for deriving operations in PSM-EC. This creates the link between documents and operations.

- In the **Define Certification Procedure** activity, you define the procedure to be used for certifying the expenses of your public organization.

- In the **Define Document Group** activity, you define document groups and assign them to specific document types for purposes of expenditure certification (Optional)

- In the **Define Time Slices and Patterns** activity, you can define the time slices and patterns to be used.

- Next, **define the financing source types** you want to use. Note that, for each financing source type, you must maintain detailed information in a separate screen. This information includes the certification procedure and the individual phases to be maintained.

- In the **Define Levels** activity, you define the certification levels to be used in the modeling of a hierarchy of political initiatives and actions. This activity is optional if you did not select levels as an attribute for your financing source types.

- In the **Define Funding Category** activity, you define the funding categories to be used for a financing source.

- In the **Define Performance Indicators** activity, you define performance indicators for use in a financing source.
In the **Define Intervention** activity, you define the national or regional interventions as well as the external interventions coming from international organizations to be used in Expenditure Certification. This activity is optional if you did not select interventions as an attribute for your financing source types.

In the **Change Message Control** activity, you can set system messages to appear as you require them in PSM-EC (Optional).

In the **Define Regional Code** activity, you define the regional codes and descriptions to be used in the certifying operation.

In the **Define Tax Handling** activity, you make the settings for sales tax, or withholding tax, to be used for the certification of your expenditure documents.

**Portal Roles**

- Two roles are available - Certification Manager and Certification Accountant - which complete the range of functions. You must implement the roles to be able to use all the functions. For detailed information on the roles, see the related Business Package documentation.

- Business Add-Ins (BAdIs) (Optional)
  
  BAdI: Checks for Expenditure Certification Objects
  
  BAdI: Document Selection for Expenditure Certification
**Business Function PSM-FM, Funds Management**

**PSM_FM_CI_1: PSM-FM, Funds Management (New)**

**Use**

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), the business function **PSM-FM, Funds Management** is available. With this business function, you have an improved use of funds management within an ERP environment that uses other components like MM, CO, and project system.

For more information, see the following release notes:

- Creation or update of FM master data
- Enhanced features of FM derivation tool FMDERIVE
- Rule-based account assignment distribution
- Plan data transfer to Budget Control System
- Integration of material reservations with FM
- HyperLink: RELN.PSM_603_FM_CI_1_BUDG **Budgeting**
- Business Process in Activity/Based Costing as Statistical Cost Object

**See also**

For more information, see SAP Library under **Business Function Sets and Business Functions -> Enterprise Extensions -> Public Sector Management -> PSM -FM, Funds Management.**
PSM_FM_CI_1: Creation or Update of FM Master Data (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1 you can use the new report RFFMMD_AUTOCREATION (Automatic creation of FM master data). With this program you can create and/or update commitment items, funds centers, and funded programs from master data objects coming from other applications (FI, CO, Project System).

Effects on Existing Data

The area menu has been enhanced by the following new entries:

- **Funds Management** -> Master Data -> Account Assignment Elements -> Generate Account Assignment Elements

The following source fields can be the source for the following target fields:

- G/L accounts or cost elements can be the source for commitment items.
- Cost centers, internal orders or WBS elements can be the source for funds centers.
- Internal orders or WBS elements can be the source for funded programs.

Effects on Data Transfer

The source master data is passed through a derivation strategy to get the attributes of the new FM master data element. The standard FM derivation is used to obtain the name of the new FM master data from the source FI or CO master data element.

Effects on Customizing

The following new IMG activities have been created:

All BAdIs under Funds Management Government -> Master Data -> Allocations to Account Assignments from Other Components -> Business Add-Ins (BAdIs) -> BAdIs for Automatic Generation of Master Data.

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
PSM_FM_CI_1: Enhancements of FMDERIVE (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, you can derive FM master data by means of new features of the FM derivation tool FMDERIVE:

- You can now define derivation strategies for which groups (sets) of cost centers, cost elements, internal orders, and WBS elements are possible as source parameters.
- With report Update FM Derivation Rules in Accordance with Group Change (RFFM_ENH_DERIVATION_TOOL) you can reconstruct the rules for the derivation strategies in which groups occur as source parameters with your values if the values of the groups have changed.
- Several users can now work on the same rule of the same derivation strategy at the same time. Prerequisite for this is that the maintenance of the data of the derivation rule differ in at least one of the values of the source account assignment.

Effects on Existing Data

The report RFFM_ENH_DERIVATION_TOOL is available in the area menu under Funds Management -> Master Data -> Tools -> Adjust Derivation Rules in Accordance with Changes to CO Object Groups

Effects on Customizing

The following new IMG activity has been created: Define Account Assignment Derivation

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
PSM_FM_CI_1: Rule-based account assignment distribution (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, you can use a rule-based account assignment distribution during the transfer of time sheet data to Project System and Controlling.

With the existing rule-based account assignment tool you can now generate a rule-based distribution of account assignments with the transfer of time recording to Project System and Controlling.

You define rules which stipulate the distribution of the account assignment (COBL object) entered on the receiver object originally in time recording for the transfer. As a result you can generate several lines with different account assignments.

Effects on Existing Data

You can find the Rule-Based Account Assignment Distribution in the area menu under Public Sector Management ->Funds Management->Master Data->Use of Account Assignment Elements->Maintain Rules for Rule-Based Acct Assmnt Distribution.

Effects on Customizing

The following new IMG activity has been created: Derivation Strategy for CATS Controlling Area

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, you can transfer CO Plan data posted with real estate objects into the Budget Control System (BCS) using the already existing report for CO Plan Data Transfer to BCS (RFFMCY_CO_COPY). The report has been enhanced to include real estate objects and the FM derivation tool FMDERIVE is used to replace the real estate account assignments with the respective FM account assignments.

Effects on Existing Data

You can find the existing program under the following area menu:

Public Sector Management -> Funds Management -> Budgeting -> Tools -> Planning -> Plan Data Transfer from CO (Transaction FMCYCOPI_CO).

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
PSM_FM_CI_1: Integration of Material Reservations with FM (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, the function of material reservations integration with Funds Management (FM) is available. With this function, it is possible to consume budget and perform budget checks for a material reservation document.

The value of the budget is calculated by taking into consideration the material price (standard or moving price) from the material master and the quantity. The system generates an earmarked funds document in the background and takes the item account assignment of the material reservation document as the account assignment in the earmarked funds document.

When a goods issue references this material reservation, the earmarked funds document is copied into the goods issue and the account assignment is taken from that document.

Effects on Existing Data

If you want to generate a funds reservation document for an existing material reservation document, you can use the program Generate Earmarked Funds for Material Reservations (RFFMRP_MAT_RESERVATION). Funds reservation documents are generated only for material reservation documents that do not have a goods issue document posted against them. This program is also used to generate the earmarked funds documents for material reservations that are generated from Material Requirements Planning (MRP) since these are not integrated directly with FM.

Effects on Data Transfer

This function applies only to newly created material reservations and has no impact on data transfer.

Effects on Customizing

You make the necessary Customizing settings in FM in the IMG activity Maintain Data for Integration Scenario. To do so, proceed as follows:

1. Assign the document category funds reservation to the scenario Reservation Integration (Without Scenario Variant).
2. To each company code group that you need, you have to assign the following:
   - a document type for funds reservation:
     We recommend that you first define a new document type and set up a separate number range interval, so that these documents can be more easily identified from other earmarked funds documents.
   - a blocking reason:
     We strongly recommend that you define a blocking reason in order to prevent the manual processing of the generated documents. This precludes possible data inconsistencies.

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
PSM_FM_CI_1: Budgeting (New)

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, there are several changes in the area of Budgeting Workbench (BWB), which are summarized in this release note.

Budget Type Group (New)

You can use the budget type group to:

- Assign budget type for budget to process
- Assign statistical budget type to process
- Assign budget type for budget and statistical to status

Budgeting Workbench Layout (Changed)

- You have a new option **Header: same in sender and receiver** to define the fields in the layout in IMG activity Define Layout for Budgeting Workbench. If you use the two sides process and the field in the header is the same in the sender/source and receiver/target, you can use this new option in layout customizing. The system then copies the value of the field from sender/source to receiver/target automatically.
- You have a new choice **Hide Automatically Generated Lines** to make the default settings that regulate whether additional lines are displayed when the document is loaded into the Budgeting Workbench. You can display or hide the automatically generated additional document lines using the button **Hide/Display Autom. Lines** in Budgeting Workbench if they exist in the budget document.

Allow setting some fields changeable or not in preposted documents by means of customizing (New)

As well as text fields (which are changeable in preposted documents), other fields may be changeable in preposted documents. You can define a profile to specify which fields are changeable in the preposted documents, then assign this profile to your document types in Customizing. The settings are then applied to all the preposted documents which use one of these document types. By default, only text fields are changeable.

Allow setting text fields changeable or not in posted document by means of customizing (New)

Text fields in posted documents can be set changeable or not in Customizing. You can define a profile to specify which text fields are changeable in the posted documents, then assign this profile to your document types. The settings are then applied to all the posted documents which use one of these document types. By default, all text fields are changeable.
Allow some fields changeable in preposted document in BCS Workflow:

Templates WS12300025 and WS12300026 (Changed)

- The budgeting workflow templates (WS12300025 and WS12300026) are adapted to use changeable fields.
- The standard task TS12300025 is not used anymore in any of the templates. Instead, two new tasks are used in both templates, TS12300079 and TS12300080. The step Approve Budgeting Document is used in both templates and executes the rule 12300004 to determine the workflow agents and uses task TS12300079 (that substitutes task TS12300025) to deliver the workflow object to the correct agents. What is new in this release is that the user can navigate from the workflow object to the budgeting document and change certain fields in it via customizing settings.

Change log of preposted document (New)

- You can activate the change log to record changes to the preposted documents, either for the document header only or for the whole document (document header and document lines).
- You can display and delete the change logs for preposted documents.

Effects on Existing Data

UI Change Activity | UI Change Description
--- | ---
IMG activity Define Layout for Budgeting Workbench | New selection options
Header the same in sender and receiver for all fields and new checkbox Hide
Automatically Generated Lines
Transaction FMBB | New button Hide/Display Automatic Lines are available in the line item ALV when the document includes automatically generated lines, fields in the receiver/target part will display only when you use layout which includes the setting Header: the same in sender and receiver, some fields in preposted documents can be changed via Customizing, and the text fields in posted document can be unchangeable via customizing
IMG Activity Edit Status | The two dialogue controls Status control settings using BT Group(budget) and Status control settings using BT Group(stat.) are appended.
Workflow for preposted document | The fields in preposted document workflow can be changed in Customizing

Effects on Customizing

Carry out the following IMG activities as required:

Budget Type Group

- Assign Budget Type Group to Processes (Mass Maintenance)
- Define Budget Type Group for Statistical Budget
Assign Statistical Budget Type Group to Budgeting Processes

HyperLink: SIMG._ISPSFFM_N_VC_FMSTAT Edit Status

Budgeting Workbench Layout

Define Layout for Budgeting Workbench.

Changeable fields for preposted document with/without workflow

Define Profile for Changeable Fields in Budget Documents

Assign Profile of Changeable Fields to Document Types

Activate Change Log for Preposted Budget Documents

Display Change Log for Preposted Budget Documents

Delete Change Log for Preposted Budget Documents

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1) and SAP Library under <path to the application documentation for this function>.
PSM_FM_CI_1: Business Process in ABC as Statistical Cost Object

Use

As of SAP ECC 6.0, Enterprise Extension Financials, Enhancement Package 3 (EA-PS 603), Business Function PSM_FM_CI_1, you can now also define the business process in Activity-Based Costing (ABC) as statistical.

Effects on Existing Data

Business process master record can now be flagged statistical.

In parallel to posting to the true cost object (for example Cost Center, Internal Order, Work breakdown structure) the statistical business process can be posted to in actual external transactions (in FI, MM, etc.) as well as actual internal primary transactions (transfer postings). As a result of such parallel postings, the CO document contains an additional line with value type 11 which is posted to the statistical business process, while the true cost object is reflected in a document line with value type 01.

In the past, only internal orders and WBS elements could be classified as statistical. With EhP3, a classification of the business process as statistical is possible in a similar fashion. Excluded from postings with statistical business process are secondary postings in CO. A statistical business process can not be used as a sender in activity allocation.

See also

For more information, see the main release note for business function PSM-FM, Funds Management (PSM_FM_CI_1).
**Business Function PSM, Grants Management for Grantee Enhancements**

**PSM_GM_GTE_CI_1, Grantee Management**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the Grantee Management (GM-GTE) solution includes the following new features:

- **Budget Splitting Rule Enhancement**
  The new function automatically creates budget validity periods for yearly time slices. The first time slice starts with the grant valid-from date and ends after 12 months. The next time slice starts at the grant valid-from date plus one year.

- **Subtractive Cost Sharing Method**
  This cost-sharing method relates to how cost sharing is calculated in the budgeting workbench and considers how cost sharing relates to the total budget (external and internal funds) instead of only external funds.

- **IDC Calculation from and to Grantee’s contribution**
  IDC expense and recovery posting is based on IDC-relevant postings to the grant's postings to external and internal funds (total expenses). This IDC method is used in conjunction with the subtractive cost-sharing method. IDC caps are still used to determine the maximum reimbursement by the sponsor.

- **Accrual and Deferral Calculation and Posting**
  Valuates the grant's billable and revenue postings to determine whether an accrued or deferred revenue posting is needed based on the grant's financial disposition. The calculation can be based on resource-related billing accrual or cash-based billing methods.

- **Revaluation and Currency Conversion Enhancement**
  New Business Add-In (BAdI) GM_CURRENCY_CONVERSION, provided to allow additional flexibility to revalue GM postings based upon the sponsor's currency.

- **Archiving**
  Archiving strategies have been introduced for GM master data and budgeting documents. See the separate release note for details.

See also

**Accrual Engine in Grantee Management**
**Business Function Financial Integration with EA-PS**

**PSM_GOVPROC_JFMIP: Financial Integration with EA-PS**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the business function Financial Integration with EA-PS is available. With this business function, period of performance, acceptance period, and prompt payment data from SAP Procurement for Public Sector (SAP PPS) purchasing documents is transferred to the replicated purchasing documents in the SAP ERP system. The data is checked in the SAP ERP system to ensure, for example, that it complies with United States federal government procurement regulations.

For more information, see the following release notes:

- Period of Performance in SAP SRM Documents (New)
- Prompt Payment Enhancements in SAP SRM (New)

**Effects on Existing Data**

You have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.
**PSM_GOVPROC_JFMIP: Period of Performance in SAP SRM Documents (New)**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Business Function Financial Integration with EA-PS, you can enter a period of performance (PEROP) on SAP Supplier Relationship Management (SAP SRM) procurement documents (shopping carts, purchase orders, contracts, and RFx documents). The period of performance defines a start date and end date for goods delivery or service performance and is therefore the period during which commitment and spending is valid.

The period of performance is used in receipt, invoice, and payment documents to validate the dates that goods were delivered or services performed against the validity period defined in the purchase order. This prevents, for example, the payment of invoices where the period of performance does not match that of the spending document.

Checks are made against the period of performance at various stages of the business process, including during processing of goods receipt (GR) and invoice receipt (IR) in the SAP ERP backend system. You receive error or warning messages if a goods receipt or an invoice receipt is posted outside of the period of performance dates for the purchase order line item.

For more information about other period of performance functions in Enhancement Package 3, see the release note PSM_USFED_PEROP_1, Period of Performance (New).

**Effects on Existing Data**

You have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.

**See also**

For more information, see the release note for business function Financial Integration with EA-PS.
PSM_GOVPROC_JFMIP: Prompt Payment Act Enhancements in SAP SRM (New)

Use
As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Business Function Financial Integration with EA-PS, the following Prompt Payment Act (PPA) functions are supported:

- Fast Pay as defined in the U.S. federal government's Prompt Payment Act and the Federal Acquisition Regulation
  You can specify for a line item in a SAP Supplier Relationship Management (SRM) contract or purchase order that it is subject to Fast Pay procedures. This means that payment is made within a limited time period of receipt of an invoice without proof of receipt of goods or services. If payments are not made within this time period, they are subject to a PPA interest penalty. When you identify a line item as subject to Fast Pay procedures, prompt pay terms are set in ERP. When the invoice is paid in ERP, the line items are checked in accordance with the Prompt Payment Act.

- A user-defined acceptance period for SAP SRM contracts and purchase orders
  You can define an acceptance period in days for a contract or purchase order. This acceptance period defines the time period that a purchaser has to accept goods, after which the acceptance period is used to determine a PPA-constructed acceptance date. This acceptance period is also used in the calculation of PPA payment due dates and PPA interest calculations. You use this function if you want to specify an acceptance period longer than the default seven days as specified in the PPA. If no acceptance period is specified, the default value of seven days is used. The acceptance period that you enter is checked in ERP at goods receipt.

For more information about other Prompt Payment Act enhancements in Enhancement Package 3, see release note Enhancements to Prompt Payment Act (Changed).

Effects on Existing Data
You have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.

Effects on Customizing
You make the Customizing settings for this function in Customizing in the Public Sector Management Implementation Guide (IMG) by choosing Functions for US Federal Government -> Payment Processing ->Prompt Payment Act

See also
For more information, see the main release note for business function Financial Integration with EA-PS.
Business Function Pricing Arrangements for EA-PS Integration

PSM GOVPROC PA: Pricing Arrangements EA-PS Integration

Use
As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the business function Pricing Arrangements EA-PS Integration is available. With this business function, you can enable the transfer of pricing arrangement data from SAP Procurement for Public Sector (SAP PPS) procurement documents to the replicated procurement documents in the SAP ERP system.

For more information, see release note Pricing Arrangements from SAP PPS (New).

Effects on Existing Data
You have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.
PSM_GOVPROC_PA: Pricing Arrangements from SAP PPS (New)

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Business Function Pricing Arrangements EA-PS Integration, pricing arrangement data from SAP Procurement for Public Sector (SAP PPS) procurement documents can be transferred to replicated procurement documents in the SAP ERP system. In SAP PPS, you can assign pricing arrangements to line items in a procurement document. Each pricing component belonging to a line item can be assigned separate accounting information. It is also possible to post follow-on documents separately for each pricing component.

You can apply the following attributes to a pricing arrangement:

- A ceiling amount, or hard limit, on the total amount
- A maximum fee that the supplier can earn
- A minimum fee that the supplier can make
- How the supplier's target fee is reduced for exceeding the cost estimate
- How the supplier's target fee is increased when costs are less than estimated

You can use pricing arrangements in the following SAP PPS purchasing documents:

- Shopping cart
- RFx
- RFx response
- Contract
- Purchase order

Effects on Existing Data

You have SAP Supplier Relationship Management 6.0 (SAP SRM 6.0) and SAP Procurement for Public Sector 2007 (SAP PPS 2007) installed on your system.

Effects on Customizing

You make Customizing settings for this function in the Public Sector Management Implementation Guide (IMG) by choosing Government Procurement ->BAdI: Change Descriptions of Pricing Arrangement Components

Use this Business Add-In (BAdI) to change the descriptions of the pricing arrangement components you assign to your procurement documents. You can change the component descriptions during invoice verification.

See also

For more information see the main release note for business function Pricing Arrangements EA-PS Integration.
Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, Grantor Management (GM-GTR) is fully integrated with Accounts Payable and Accounts Receivable (AP/AR). This means you can:

- Create/change precommitments and forecast of revenue documents based on a CRM application
- Create/change commitments and forecast of revenue documents base on a CRM agreement
- Use the new multi-funding feature to define various funding sources that, in turn, define the percentage distribution and the relevant account assignments
- A Customer/Vendor Integration scenario for the Business Partner Replication Process, including Customer/Vendor templates, has been provided.
- Create/change AP/AR open items
- Use automatic creation of a funded program based on a CRM program
- Have the system notify CRM when an open item or a cleared item is created in AP/AR.

Effects on Customizing

Use the following steps in Customizing to configure GM-GTR integration with AP/AR:

Master Data

- Maintain Grantor Derivation Strategies
- Maintain Customer-Specific Condition Fields
- Maintain Grantor Rule-Based Account Assignment Distribution
- Business Add-Ins for Grantor Management Master Data
  - BAdI: Grantor Management Derivation Enhancement
  - HyperLink: SIMG.BADI_PSM_MEASURE_REPL BAdI: Funded Program Wrapper

Integration with Accounts Receivable and Accounts Payable

- HyperLink: SIMG.GTR_PREPARE_INT2 Prepare Integration
- Default Financial Execution Interface
- HyperLink: SIMG.SIMG_GTR_PROGPROFIL2 Edit Program Profile
- HyperLink: SIMG.GTR_VC_GTRFIAPAR Define Invoicing Paramters
- Maintain Number Range Interval for GTR Billing Documents
- PSM Earmarked Funds
  - HyperLink: SIMG.SIMG_GTR_INTEGRATE1 Integration Scenarios
- Business Add-Ins for PSM Earmarked Funds Integration
  **BAdI: Summarize CRM Data for Creating/Changing Funds Reservations**
  - Customer/Vendor Integration
    - Customer Integration
      **Settings for Customer Integration**
      Determine Template for Customer Account for Replication
    - Vendor Integration
      **Settings for Vendor Integration**
      Determine Template for Vendor Account for Replication
  - Business Add-Ins for Integration
    - **BAdI: Extract and Use Enhanced Data from CRM**
    - **BAdI: Enhance AP/AR Billing Interface**

See also
- HyperLink: RELN.PSM_603_GTR_REPORT Reporting in Grantor Management
- HyperLink: RELN.PSM_603_GTR_MENU Menu for Grantor Management
**Business Function PSM, U.S. Federal - Reimbursable Orders**

**PSM_REIMB_1, Reimbursable Orders**

**Use**

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the following enhancements regarding were made to processing for reimbursable orders:

- The system now provides configuration options to control message types for down payments. Two messages were created under message class FICUSTOM and put in a table where they can be customized as information, warning, and error messages for a specific user or for all the users creating Reimbursable Orders. In order to configure the new messages (FICUSTOM 234 and FICUSTOM 235), access Customizing and choose >Public Sector Management -> Funds Management Government -> Basic Settings -> Change Message Control.
  
  Both messages display the following text: "For non-federal customers, full down payment is required"

- The system now executes the standard FMDERIVE routine call for commitment items to support sales orders with down payments. With this enhancement, you can ensure that the commitment item is available for the down payment request transaction, resulting in the correct FM postings.

- The system now provides configurable options to determine the FM impact/update for sales orders. This new feature uses status management to control the timing of the FM update. The FM posting was not previously an option, but it now is.
**Business Function PSM, U.S. Federal: Business Partner Network**

PSM_USFED_BPN_1, Business Partner Network

**Use**

As of SAP ECC 6.0, *Enterprise Extension Public Sector Management (EA-PS 603)*, *Enhancement Package 3*, the Business Function for Business Partner Network has been created to integrate external US Federal Business Partner information (such as CCR) and make it available for Vendor and Customer processing in SAP.

The DUNS and DUNS+4 fields have also been added to customer master records.

**See also**

- **Enhancements to Central Contractor Registration**
- **Central Contractor Registration Archiving**
**Business Function PSM, U.S. Federal**

**PSM_USFED_CI_1: US Federal, General Enhancements**

**Use**

As of SAP ECC 6.0, *Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3*, the US Federal Government (USFG) solution includes the following new or changed features:

**Budgetary Ledger**
- **Budgetary Ledger Adjustment Posting on Fund Level**

**Budgeting Using the Budget Control System**
- **New Fields in Header of Budget Entry Documents**

**Cancelled Asset Transfer**
- HyperLink: RELN.PSM_603_FMFG_AA_CANF *Cancelled Asset Transfer*

**Information System**
- **Payment Related**
  The FMFS 1219/1220 accountability report is now available. Agencies use this report to collect transactions and accountability information about their own payments and reports it for the Treasury Financial Management Service (FMS). The report shows increases and decreases in an agency's accountability and its total accountability for the given period. See the report [documentation](#) for more details.
- **Other**
  USFG now includes a document chain feature. See the separate [release note](#) for details.
PSM_USFED_CI_1: Budgetary Ledger Adjustment Posting on Fund Level (New)

Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, you can use this feature to summarize adjustments posted in one transaction at fund level. For example, if one line in a transaction posts an upward adjustment of $10 to Fund A and another line posts a downward adjustment of $7 to Fund A a net upward adjustment of $3 is posted.

The function takes no previously posted values into account; only adjustments in the current transaction are used for the calculation of the net adjustment value.

Effects on Customizing

The feature needs to be activated.
PSM_USFED_CI_1: New Fields in Header of Budget Entry Documents
(New)

Use
As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603),
Enhancement Package 3, the following fields have been added to the header of budget
entry documents:
- Trading Partner
- Transfer Account
- Transfer Agency
These fields are offered in all transactions that create budget entry documents using:
- Budgeting Workbench, Multiple Budget Entry
  Mass transactions such as generation of budgeting data, transfer data, and
  budget release.
- Entry of individual budget documents
- From external applications using the BAPI 'Create entry documents'
Reporting on these new fields using BW or the budget entry document display is fully
integrated.

Effects on Customizing
You can use Field Status Management to control field appearance. Access this in the
Public Sector Management section of the IMG by using the activities under Budgeting
-> Budget Entry -> Budget Entry Documents -> Field Status.
Use

In US Federal accounting, when a Fund cancels, its assets must be transferred to the new Fund.

In addition to the standard Asset Management (FI-AA) Intercompany Asset Transfer posting, there are several additional accounts to which the transaction should be posted.

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, this configuration creates the US Federal required additional line items.

In particular, this function is used to transfer the assets from a cancelled fund to a new fund.

Effects on Existing Data

Standard FI-AA should be configured before you complete this additional configuration.

Note that in transaction AO90 (Configuration of Balance Sheet Accounts for FI-AA), the field "Contra Account: Acquisition Value" (field KTANSG) is overwritten by this US Federal FI-AA additional account derivation.

The standard GL entries created when doing an intercompany asset transfer posting (when using standard FI-AA and US Federal is inactive) are illustrated below. The example assumes that the asset was originally purchased for $1,000 and depreciated by $200.

FUND 1

Debit Acct 1010 Fund Balance Treasury $800 (configured in FI-AA as "Contra account: Acquisition value" - which is the contra account for asset transfers inward; FM-relevant)

Debit Acct 1759.00 Accumulated Depreciation $200 (configured in FI-AA as "Acc.dep. acctnt.for ordinary depreciation"; not FM-relevant)

Credit Acct 1750.00 Equipment Account $1000 (configured in FI-AA as "Acquisition and production costs"; FM-relevant]

FUND 2

Debit Acct 1750.00 Equipment Account $1000 (configured in FI-AA as "Acquisition and production costs"; FM-relevant)

Credit Acct 1759.00 Accumulated Depreciation $200 (configured in FI-AA as "Acc.dep. acctnt.for ordinary depreciation"; not FM-relevant)

Credit Acct 1010 Fund Balance Treasury $800 (configured in FI-AA as "Contra account: Acquisition value" - which is the contra account for asset transfers inward; FM-relevant)

Effects on Customizing

If you configure the additional US Federal Asset Accounts, additional line items are created to match the USSGL mandated transactions.

The additional accounts are configured in the step Additional Account Determination. The configuration is based on the following:

- Chart of Accounts KTOPL
- Asset Account Determination KTOGR
Asset Depreciation Area

Then after this key, the configurable accounts are:

01 Asset Tfr Out Contra Account
02 Asset Tfr In Contra Account
03 Depreciation Tfr In Contra Account
04 Depreciation Tfr Out Contra Account

Note

The memorandum accounts (8801 and 8802) should be derived using the Budgetary Ledger (BL) derivation tool (configure a new BL area and base the derivation on the CO Business Transaction)

See also


The specific US Federal accounting entries associated with this transaction are:

**Transfer the asset out of the cancelling fund**

USSGL transaction E510 Transfer Out

DR 1759.00 Accumulated Depreciation
CR 1750.00 Equipment

DR 5730.01 Transfer Out (FM relevant)
CR 5730.02 Transfer Out (Not FM Relevant)

USSGL transaction G120 Memo Account Entries

DR 8801 Offset for Purchases of Capitalized Assets
CR 8802 Purchases of Capitalized Assets

**Transfer the asset into the new fund**

USSGL transaction E606 Transfer In

DR 1750 Equipment
CR 1759 Accumulated Depreciation

DR 5720.01 Transfer In (FM relevant)
CR 5720.02 Transfer In (Not FM Relevant)

USSGL transaction G120 Memorandum Account Entries

DR 8802 Purchases of Capitalized Assets
CR 8801 Offset for Purchases of Capitalized Assets

Sample configuration in this case would be:

01 Asset Tfr Out Contra Account GL Account 5730.0100
02 Asset Tfr In Contra Account GL Account 5720.0100
03 Depreciation Tfr In Contra Account GL Account 5720.0200
04 Depreciation Tfr Out Contra Account GL Account 5730.0200
Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the transaction register includes a document chain feature.

The concept of the document chain is to select a document in the transaction register and to display all the predecessor documents and successor documents related to the selected document. Due to the wide range of business processes and possible types of documents, the document chain display provides a best-effort to construct and display the documents in a processing chain using various information sources.

The document chain has a default overview display that lists the documents/items involved in the processing chain, as well as ledger views that display the ledger entries from General Ledger, Special Ledgers or Funds Management related to each document/item in the chain.

The following functions are available during document chain display:

- Display document
- Own document chain (construct/display the document chain of one of the predecessor/successor items in the current document chain)
- Overview/ledger views: switch between views
- Show accounting documents

The document chain is designed to provide a basic level of support for any documents that post to General Ledger (G/L) Accounting or Funds Management (FM). It has extended support for certain document types to enable more document type specific data to be displayed for the document (such as status values dependent on the document type) as well as finding predecessor and successor documents using methods other than those available for all documents through the G/L Accounting and FM.

- For documents that post to FM open items or FM actuals, successor and predecessor documents can be identified through predecessor references in the FM data tables.

- For documents that post to accounting, successor and predecessor documents can be identified through:
  - Clearing: the cleared and clearing documents have a predecessor/successor relationship
  - Reversal: the reversed and reversal documents have a predecessor/successor relationship
  - Invoice reference: certain types of invoice reference (BSEG-REBZG) are used to determine relationships

- Document types for which extended support is available include:
  - FM: Earmarked funds documents
  - Purchasing: Purchase orders, purchase requisitions, outline agreements
  - Inventory Management: Goods movements
  - Logistics Invoice Verification: Invoices
  - Sales and Distribution: Orders and billing documents
Effects on Customizing

The document chain report supports customer enhancements to fill gaps in the construction of the chain. Through enhancement implementations, the customer can provide additional methods of finding successor and/or predecessor documents; modify the information displayed for a document; and provide additional ledger views if required.

Enhancements can be implemented through the following enhancement spots:

- FM_DC_DOCITEM (Enhancements to basic doc info)
- FM_DC_SOURCE (Methods for finding successor / predecessor documents)
- FM_DC_LEDGER (Ledger data providers for document chain)

See also

The program documentation describes the processing in detail.
Use

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the US Federal Government solution includes a feature for managing the fees that arise as part of Debt Management.

Payment: Special Features

Update of Incoming Payments for Invoices with Fee Schedule

Effects on Customizing

You access customizing for fees in the Public Sector Management IMG by choosing Functions for US Federal Government -> Debt Management:

- HyperLink: SIMG.SIMG_PSMFG_FEESCHED Define Fee Schedule
- HyperLink: SIMG.SIMG_PSMFG_VT056R Define Reference Interest Rates
- Enter Interest Values for Reference Interest Rates
- HyperLink: SIMG.SIMG_PSFMG_V_FM023R Define Interest Rates and CVFR
- Define Alternative Reconciliation Accounts
- Business Add-Ins
  - HyperLink: SIMG.FMFEES_GET_CONVERSION_DATE BAdI: Get Date for Currency Conversion
  - BAdI: Post Partial Invoice Amount as Residual or Partial Payment
  - HyperLink: SIMG.FMFEES_CHANGE_AA_BADI BAdI: Change Fee Account Assignments
  - HyperLink: SIMG.BADI_FMFG_CHANGE_AGING BAdI: Change Aging Parameters
  - HyperLink: SIMG.FMFG_ITEM_SELECT_CHG BAdI: Change Selected Line Items
Background

Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) mandate the specific handling of 'Period of Performance' (PEROP) within various obligation documents as well as related spending documents.

The PEROP represents a date range as contractually agreed with the business partner. This date range defines the validity date of the agreement with the business partner and checks against it can be made at various stages of the business process.

New Features

As of SAP ECC 6.0, Enterprise Extension Public Sector Management (EA-PS 603), Enhancement Package 3, the following changes have been made:

- The following documents now allow the entry of 'Period of Performance' in the form of a date range:
  - Earmarked funds line item
  - MM contract (when using commitment plan)
  - Purchase requisition (PR) line item
  - Purchase order (PO) line item
  - Service-related PR and PO (service line)
  - Logistics Invoice Verification (LIV) line item (MIRO and MIR7)
  - FI General Ledger line items (Enjoy transactions and Parked Documents)
  - SD contract (header and item)
  - Sales order (header and item)
  - Billing plan (item)
  - Debit memo request (header and item)

- Validation of the above documents against immediate predecessor documents is provided in the following implementations and customers can do additional customer specific checks in customer BAdIs:
  - Earmarked Funds: Exits from Program LFMR_AD1F01 are used to perform the checks and a configurable message (FICUSTOM 120) is issued. You can perform additional checks from exits EXIT_SAPLFMFR_004 (when posting a parked document) and EXIT_SAPLFMFR_008.
  - Contract: Implementation FMFG_CHECK_CONTRACT is used to perform the checks and a configurable message(FICUSTOM 120) is issued. You can perform additional checks by implementing the BAdI FMFG_PEROP_CHECKS_OA_CUST.
  - PR: Implementation FMFG_PROCESS_PR is used to perform the checks and a configurable message (FICUSTOM 120) is issued. You can perform additional checks by implementing the BAdI
ME_PROCESS_REQ_CUST.

- PO: Implementation FMFG_PROCESS_PO is used to perform the checks and a configurable message (FICUSTOM 120) is issued. You can perform additional checks by implementing the BAdI ME_PROCESS_PO_CUST.

- Goods receipt (GR) documents: The GR documents are checked using the implementation FMFG_PEROP_CHECKS. You can perform additional checks by implementing the BAdI MB_CHECK_LINE_BADI.

- Service Entry Sheets: The BAdI BADI_MMSRV_PEROP is used to perform the checks and the customers can use the same BAdI to perform additional checks. Configurable messages (FICUSTOM 136, 137, 138, 139, and 140) are issued.

- LIV invoices: The implementation FM_NEW_LIV_FIELDS_VALIDATION is used to perform the checks and a configurable message (FICUSTOM 120) is issued. Customers can perform additional checks by implementing the BAdI FMFG_PEROP_CHECKS_MIRO_CUST.

- FI Documents: The FI Documents are checked using the function module FMFG_PEROP_CHECKS. You can perform additional checks by implementing the BAdI FMFG_PEROP_CHECKS_FI_CUST.

- For Sales and Distribution (SD) documents: You can choose to enter values for Period of Performance Start and End dates on the Sales tab of the header. The values are replicated (as default values) to items and to generated header billing plan items. You can subsequently overwrite the values.
  You can enter values for Period of Performance Start and End dates on the Sales A tab of the items. Item values within sales documents are validated against values of the predecessor document. For this, you must customize messages 132 and 133 of message class FICUSTOM. Billing plan item values are validated against associated item values of the current sales document when values are changed or when the document is saved. For this, you must customize messages 130, 131 and 135 of message class FICUSTOM. Note that defaulted values are not replicated to billing plan items created manually or generated during copying of a predecessor document. For manually-created billing plan items, validation does not take place unless you enter a value or you save the document. For items generated during copying, the replication of default values does not take place until you navigate to the Billing plan tab. Also note that Period of Performance values input within the Date Proposal Maintenance for Billing Plan Type: Details screen of the Implementation Guide are not validated. For this reason, SAP does not recommend proposing Period of Performance values.
  The delivery date of an outbound delivery is validated against the Period of Performance values of the items of the predecessor sales document. The implementation uses customizable message FICUSTOM 134. The logic is contained within implementation FMFG_LE_SHP_DELIVER_PROC_PEROP of Business Add-In definition LE_SHP_DELIVERY_PROC. You can choose to create your own implementation.

- For Resource-Related Billing (RRB): The date retrieval option is used by the Dynamic Item Processor (DIP) to determine Period of Performance Start and End dates. The dates are derived from the earliest and latest posting date values of associated Controlling items or copied from the sales order document item or milestone. The resulting data is stored and displayed in the debit memo request. The enhancement of RRB to enable the Period of Performance
feature is, however, subject to restrictions or limitations:
RRB is always in the full amount (as proposed in the Billing Request for Billing Plan <new>: Expenses screen) in order to ensure the complete billing of expenses in the appropriate period.
For the same reason, even though you may choose to enter a Posting date to value on the initial screen of the RRB Request selection screen, the value is ignored.
New billing milestones must be dated later than milestones already billed.
No changes in DIP profile customizing that lead to additional selection of older records are allowed.
In the Set Period pop-up screen of the RRB Request selection screen, values for fields From Period and From Fiscal Year can be entered but are checked to determine whether they fall before the period for which the last valid debit memo request was created.
If items in the debit memo request are rejected, the whole request is rejected.
The enhancement of the RRB logic to enable the Period of Performance feature only targets data source Actual costs - Line items maintained in DIP profile customizing.
Introduction of new Item Blocking Reason in LIV invoice as a result of unsuccessful PEROP match between invoice and predecessor documents. Blocking reason included in ‘Release blocked Invoice’ transaction (MRBR).
- For Logistic Invoice Verification (LIV):
Message Type INVOIC_PS has been created
Idoc Type INVOIC02_PS has been created. This idoc type is identical to INVOIC02 with the exception of an additional segment. Segment E1BPPAREX was added to this idoc type to accommodate the period of performance information plus additional US Federal indicators.
These are the instructions for using this new Idoc type:

a) Fill all segments as you would with idoc type INVOIC02
b) For segment E1BPPAREX, enter FMFG_NEW_MM_FIELDS in the structure field of the segment
c) Value Part 1 of the segment corresponds to the fields existing in the structure defined above. This means that the first two characters are the Fast Pay and PPA Exclude indicators. The next are the Period of Performance Begin and End dates. Dates should be entered as YYYYMMDD.
d) It is possible to use all fields of structure FMFG_NEW_MM_FIELDS in the idoc
c) Value Part 2 is unused
f) Value Part 3 describes either the header or the item. For the header, leave it blank; for the item, assign the number of the item with 5 digits starting with 00001.

Effects on Customizing
For SD and RRB, you must perform the following customizing activities:
1. **Activate Period of Performance**
2. **Retrieval Options - Period of Performance for SD**
3. **Change Message Control**
4. You can also perform the following using fields PEROP_BEG and PEROP_END of table VBKD:
a) Define Incompleteness Procedures
b) Assign Incompleteness Procedures
**Business Function PSM, U.S. Federal - PPA and Payments**

**PSM_USFED_PPAP_1: Postings to FI with up to 9999 items (new)**

**Use**

As of SAP ECC 6.0, *Enterprise Extension Public Sector Management, Enhancement Package 3 (EA-PS 603), Business Function PSM, US Federal - PPA and Payments (PSM_USFED_PPAP_1)* the system can generate postings to FI with up to 9999 line items. Through a split after 990 line items each time, several FI documents occur for a goods receipt or invoice document. The system generates a clearing item with this in the last line of the FI document that is written off on a clearing account.

**Note:**

To be able to use this function, you must activate the Enterprise Extension Public Services (EA-PS) and the functions for US Federal Government in the implementation guide (IMG).

The system splits FI documents that were generated when entering valuated goods receipts (transaction MIGO with transaction type goods receipt for purchase order or goods receipt other) and when entering and changing invoices (transaction MIRO or MIR7 or MIR6). Even when you enter, change or reverse goods receipts and invoices using BAPIs, the system can generate postings to FI with up to 9999 items.

In addition to this, the system generates postings to FI with up to 9999 line items in the following situations:

- For invoices that arrive via EDI or are entered with the evaluated receipt settlement (transaction MRRL).
- For invoices that you park or that the system posts in the background (transaction MRBP)
- For automatic settlement of the planned delivery costs (transaction MRDC)
- For the invoicing plan settlement and with the revaluation with the Logistics Invoice Verification (transactions MRIS and MRNB)

For all FI document types for which you want to use this function, the internal number assignment must be active. An automatic posting must also take place for the clearing account to which the clearing lines of the split FI documents are posted.

**Effects on Existing Data**

This new function does not affect existing data. There are no UI changes.

**Effects on Customizing**

To be able to use this function in the Enterprise Extension Public Services, you set the corresponding indicator in the Customizing of Public Sector Management, to activate the functions for US Federal Government. To do this, choose *Functions for US Federal Government --> General Settings --> Activate Functions for US Federal Government*).

**See also**

**Restrictions**

If you terminate consignment documents, the system generates only one FI document with up to 999 items.

The split of FI follow-on documents is only possible if the tax rate in the tax code amounts to 0%.
The split of FI follow-on documents is only possible if the setting that tax is calculated per line (transaktion OBCO) is not active.

**Note**

If you make postings to FI with a high amount of data, it can impede performance.