

## Header Data

<b>Released On</b>	21.05.2012 21:49:39
<b>Release Status</b>	Released for Customer
<b>Component</b>	FI-GL-GL-J Integration/Accounting Interface
<b>Other Components</b>	<div>FI-AP-AP-J Integration/Accounting Interface</div> <div>FI-AR-AR-J Integration/Accounting Interface</div>
<b>Priority</b>	Correction with medium priority
<b>Category</b>	Customizing

## Symptom

When you post documents using the AC interface (from SD, MM or other applications), items appear in the FI document which are identical in all or in almost all fields.

This may also cause error message F5 727 ("Maximum number of items in FI reached"). The system issues this error message if the maximum number of 999 items is reached in an FI document.

## Other Terms

SAPLFACI, VF01, VF02, VF04, MB01, MB11, MR1M, C015, BSEG, totaling, document summarization, CKMI\_RUN, F5272, F1 807

## Reason and Prerequisites

The system will only total items in the FI document if you made the proper settings for this action in Customizing (= sending application, for example: VBRK for SD, MKPF for MM Position Management, RMRP for MM Logistics Invoice Verification).

For documents that are entered in the application FI (object type BKPF) (for example, EDI invoice receipt, FB01) or invoice verification (MR01) (with the object type BKPF), no summarization is executed.

The system can only total items in the FI document if they have the same account assignments and only differ in the value fields.

It is therefore not possible to carry out the totaling across different G/L accounts.

The summarization can be achieved by deleting certain fields in all items (can be configured in Customizing).

As a consequence, these fields will not contain data in the FI document. They are therefore no longer available for selection, clearing or reconciliation with other applications.

**This field deletion only affects the FI document, not documents from other AC applications. The field contents deleted in the FI document are still available for the other AC applications and can be updated there. The AC applications are not updated on the basis of the FI document. In addition, there are other summarization procedures in other applications, for example in CO (Note 147766).**

## Solution

Procedure for configuring summarization:

Carry out the following actions for each object type (sending application, AWTYP field), for which you want to summarize FI documents.

You can find the AWTYP object type on the detail screen 'Document header' under the 'Name' field when you display the document using transaction FB03.

1. If you think an FI document has too many items, find out in which fields the items differentiate.

To do so, display the FI document (FB03) or table BSEG and ONE FI document (SE16).

2. If there are items which are the same in all same account assignments:

Make the following entry in the TYPV table (transaction OBCY):

Table	Field name
*	*

As a consequence, items which are the same in all fields except value fields are totaled, that is, they are combined into a single item.

(The '\*' entry can only be made in Release 3.0D or higher.) If you use a release lower than 3.0D, enter any field which, when deleted, will not disrupt transactions from the affected application. As of Release 4.0, the entry

'\*' can no longer be made using the view maintenance (SM31) of the table TYPV.

Check whether you can replace the entry '\*' with a field name. The corrections from this

note enable you to use the report ZTTYPV to enter '\*' for the relevant object type.)

3. If there are ITEMS which differ in specific fields:  
Enter the fields in the TYPV table.  
The contents of the fields entered in the TYPV table are deleted.  
This has a higher summarization effect than entry '\*'!

Typical fields for each application are:

Application	AWTYP	Table	Field name
SD Billing	VBRK	BSEG	MATNR MEINS MENGE PAOBJNR POSN2 VBEL2 WERKS
MM Position Management	MKPF	BSEG	BPMNG BPRME ERFME ERFMG MATNR MEINS MENGE (restriction PSM-FM see below) PAOBJNR POSN2 WERKS BWTAR
MM Logistics Invoice Verification	RMRP	BSEG	BPMNG BPRME ERFME ERFMG MATNR MEINS MENGE (restriction PSM-FM see below) PAOBJNR WERKS

As of 4.0A

HR HRPAY see Note 116523

Payroll accounting

The list of the allowed fields in Release 3.1I includes the following entries in the TTYP table:

BSEG	BPMNG
BSEG	BPRME
BSEG	BWTAR
BSEG	ERFME
BSEG	ERFMG
BSEG	MATNR
BSEG	MEINS
BSEG	MENGE
BSEG	PAOBJNR
BSEG	POSN2
BSEG	PPRCT
BSEG	VBEL2
BSEG	WERKS
BSEG	PRCTR (for restrictions see below)
BSEG	FKBER (Note 413418)

General remarks:

Items with identical account assignments but different debit/credit codes (BSEG-SHKZG) will NOT be put together as a single item (for example, revenues and sales deductions in billing documents).

In releases lower than 3.0F, the system did not allow all of these fields as entries for the TYPV table. To expand the number of fields allowed for the TYPV table, enter the fields in the TTYP table. (Call transaction SM31 (view maintenance) to add an entry to the V\_TTYP view.) (You can only add the BSEG BWTAR field using transaction SE16 (table maintenance) for the TTYP table). The field BSEG-PRCTR is contained in the table TTYP in the standard system as of Release 4.6B only.

This is an SAP table modification. Only enter the fields listed above. Do not enter any other fields without first contacting SAP, since these fields will then be deleted in every FI document from the application in question.

Notes:

- When you carry out summarization using the material number (MATNR) during position management or invoice verification transactions, the 'material number' information is lost in the BSEG document table of Financial Accounting. Therefore no entries are written to the BSIM table. This can have the following consequences:
  - Transactions such as MR51 (accounting documents for material) or MB5B (balance at posting date) produce incorrect results.
  - The evaluation of balances at material number level (characteristic OMATERIAL) in the **SAP Business Information Warehouse** displays faulty or incomplete results.
  - You can no longer use the Value Flow Monitor (transaction CKMVF) to compare differences at material level between price difference accounts and the relevant FI postings.
- If you delete the material number (MATNR), the amount (MENGE), the unit of measure (MEINS) or the plant (WERKS) in position management, this information is no longer available in financial

accounting. The RMVKON00 report (transactions MRKO and MRPI) however, which indicates and settles the consignment stock, is based on the documents of financial accounting. This has two consequences:

- If the FI documents are not summarized, each individual withdrawal is indicated in the report and can also be individually settled. If the FI documents are summarized, several withdrawals can be displayed in one single report line and can no longer be separately settled. Furthermore, certain data, such as material number, amount and unit of measure, may no longer be displayed.
- If in the FI documents the material number or the plant is deleted and you settle the withdrawal, the tax codes that you defined using the tax indicator (in the material master) or in a purchasing info record can no longer be found. Instead, only the tax code that you defined as default value in the Customizing settings for the invoice verification (transaction OMR2) is determined. If no valid tax code has been defined there, the settlement terminates with message FF 704.

Read Note 38982 to learn how to determine the tax code.  
In Release 4. 0A, these restrictions no longer apply to the RMVKON00 report.

- Clearing of the GR/IR clearing account for each purchase order item: The account assignments to the purchase order (EBELN) and to the purchase order item (EBELP) are NOT deleted by default. In both the goods receipt with reference to the purchase order (MB01) and the invoice verification, they are assigned to an account in the FI document and thus PREVENT the summarization of the FI document.  
This makes it possible to clear the GR/IR clearing account at purchase order item level.

### Using Profit center for summarization

If you summarize using the Profit center field in FI, only FI and PCA balances can be reconciled at account level.

A summarization using the Profit center field is only worthwhile if other CO account assignments are also summarized. These account assignments are therefore also not available for a derivation of the Profit center field when the FI document are subsequently posted to Profit Center Accounting using transaction 1KE8. Since summarized documents are always postings the original of which is **not** posted in FI, you should subsequently post such documents from the sending application component anyway. However, you can directly transfer unoriginal FI documents using Note 102634 or, as of Release 4.5B, using the standard system. In this case, you must make sure that this function is not used for the summarized documents.

For the reason stated above, a summarization using the Profit center field is only worthwhile for transaction HRPAY. Note that HR only supports a subsequent posting from the sending application component as of Release 4.5A. In the releases 4.0A up to and including 4.0B, no programs are available in the standard system to generate subsequently the profit center document. You should implement Note 118533 in these releases beforehand to make sure that the online document flow from HR to PCA works.

A summarization using the Profit center field should definitely not be carried out in Releases 4.0A and 4.0B if the online update to Profit Center Accounting has not been activated in the fiscal year or if it should be activated subsequently (mid-year).

### Restrictions when using General Ledger Accounting (new) (FI-GL-FI):

When you use General Ledger Accounting (new), the system no longer supports the summarization of the fields that are totals record characteristics or document splitting characteristics in the General Ledger or Special Purpose Ledger. This is necessary because the General Ledger must be able to reproduce from the FI document.

### Restrictions when using Funds Management (PSM-FM):

Funds Management generates exactly one Funds Management document for each Financial Accounting document. If you carry out the summarization in Financial Accounting using fields that are updated in Funds Management, a posting termination may occur in Funds Management if the Funds Management document is generated with more than 999 lines as a result. In particular, the correct update in Funds Management may also be affected.

If you have set "GR and IR" for the GR/IR update in the IMG activity "Funds Management Updating Control" (transaction OFUP), a summarization using the fields BSEG-XREF3 (->Reference Key for Line Item), BSEG-MENGE (-> Quantity), BSEG-MEINS (-> Base Unit of Measure), BSEG-EBELN, BSEG-EBELP and BSEG-ZEKKN must NOT be maintained or set for the reference transactions 'MKPF' and 'RMRP'. This field content is indispensable for the correct calculation of GR reduction values in Funds Management. Otherwise, there are incorrect FM actual postings, incorrect budget consumptions or update terminations.

## Validity

Software Component	From Rel.	To Rel.	And Subsequent
SAP_APPL	300	311	<input type="checkbox"/>
	40A	40B	<input type="checkbox"/>
	45A	45B	<input type="checkbox"/>
	46A	46B	<input type="checkbox"/>
	46C	46C	<input type="checkbox"/>
	470	470	<input type="checkbox"/>
	500	500	<input type="checkbox"/>
	600	600	<input type="checkbox"/>
	602	602	<input type="checkbox"/>
	603	603	<input type="checkbox"/>
	604	604	<input type="checkbox"/>

	605	605	<input type="checkbox"/>
	606	606	<input type="checkbox"/>
	617	617	<input type="checkbox"/>

## Correction Instructions

Correction Instructions			
Software Component	Valid from	Valid to	Number
SAP_APPL	300	617	<a href="#">1258</a>

## Support Packages & Patches

Support Packages		
Software Component	Release	Support Package
SAP_HR	40B	<a href="#">SAPKE40B28</a>
SAP_APPL	40B	<a href="#">SAPKH40B28</a>
	45B	<a href="#">SAPKH45B09</a>
	46B	<a href="#">SAPKH46B01</a>

## References

### This document refers to:

#### SAP Notes

1779136 [Extended summarization of FI documents](#)  
 1672634 [Runtime error for Excise with more than 999 line items:J1IIN](#)  
 1482786 [Using the enhanced BAdI BADI TAX1\\_TXTIT\\_SET](#)  
 1477287 [BADI TAX1\\_TXTIT\\_SET: Summarizing tax items](#)  
 1443088 [Transfer price: Tax indicator prevents summarization](#)  
 1442868 [SETI: Compression does not work for FI documents](#)  
 1431727 [AC interface: Separate summarization of tax data](#)  
 1423063 [Tax Reporting country India: not always tax line-by-line](#)  
 1421394 [BSET summarization without BSEG summarization required](#)  
 1411253 [F5 727 occurs for goods movements from EWM](#)  
 1405674 [FF 793 in Indian company code](#)  
 1338729 [MIRO in Indian company code: Error messages FF](#)  
 1318938 [BAPI: tax data in ACCTX for Accounting Interface](#)  
 1316014 [MIRO: BSEG-TXGRP incorrect for Indian company code](#)  
 1283019 [FAQ Maximum and Overflow Line Items](#)  
 1268872 [RGFLC1F: Incorrect balance for FI item summarization](#)  
 1176566 [Too many FI documents because of different PAOBJNR](#)  
 1158279 [Line-by-line tax: No tax items in clearing document](#)  
 1024923 [India MIRO F5807 too many BSET entries despite summarization](#)  
 861824 [Unwanted compression of tax table BSET](#)  
 819188 [JIT: Accounting doc. cannot be created for ESP delivery.](#)  
 728740 [IS-M/SD: FI/CO interface - FI document summarization](#)  
 687873 [MRKO: Short dump during IDOC settlement](#)  
 645356 [No summarization of FI documents from MM due to BSEG-XREF3](#)  
 643273 [BSET summarization with "Determine taxes line-by-line"](#)  
 571928 [Summarization of tax items with external tax system](#)  
 558378 [Several FI documents for each billing document](#)  
 545137 [FAQ Interface - summarization](#)  
 517768 [\(FI\) FI057 due to BUZEI in connectn w/ doc. split in FI \(1\)](#)  
 497992 [XXX MB5B : Composite SAP Note for Release >= 4.0B 05/2002](#)  
 485236 [\(SD\) FI057 with 'Buzei in LFMPRF04'](#)  
 426100 [\(CC\) split processor and reference to clearing document line](#)  
 413418 [AC-INT: Summarization of FI documents using functional area](#)  
 408681 [Follow-up posting: Long text FI057 no info on source documnt](#)  
 406420 [IS-M/SD: FI documents not summarized when transferring](#)  
 402381 [IS-M/SD: FI interface - FI document summarization](#)  
 310837 [Simulation for document summarization in FI](#)  
 309294 [Information on summerization of FI documents](#)  
 301077 [User exits for the interface for accounting](#)  
 213546 [HPR collective note: POS inbound](#)  
 207340 [Termination of program SAPLFACI](#)

205438 [Note 36353 and JVA](#)  
 201039 [Missing accounting documents in MB5B and MR51](#)  
 199467 [Info: New act assignment table as of Release 4.5](#)  
 178487 [High increase of table BSIS, RFBLG](#)  
 166880 [Incorrect tax company code in FI document](#)  
 166487 [TABLE\\_INVALID\\_INDEX in FI/CO interface](#)  
 147766 [Document summarization in CO available as of Release 4.0A](#)  
 144638 [M/AM - AC interface: FI document summarization](#)  
 141899 [Transfer price: lines with zero posting in FI document](#)  
 130578 [Transfer invoiced quantity into accounting](#)  
 123223 [Obsolete: GI: 'Maximum number of items in FI reached'](#)  
 117708 [A maximum of 999 items can be posted in the FI document](#)  
 116523 [Q&A: How to customize Payroll Accounting postings in Rel.4.x](#)  
 108583 [RWIN: Document summarization for doc.s with MR1M](#)  
 94868 [SD/FI: Document summarization for valuated materials](#)  
 85982 [Summarizing the tax line items from SD](#)  
 79265 [GI: Collective note for FI problems with GI](#)  
 77161 [Summarization of FI postings w/ reference to purchase orders](#)  
 73907 [Special development: Summarization in FI dependent on document type](#)  
 67640 [Summarizing FI documents from MM does not work](#)  
 46230 [Q&A - Document Summarization in rel 3.0](#)  
 42347 [GI182: System error in SAPLGIN3 during update](#)  
 28292 [MR01: Zero lines on GR/IR clearing account](#)  
 9150 [Cancellation of an invoice list](#)

## This document is referenced by:

### SAP Notes (59)

1431727 [AC interface: Separate summarization of tax data](#)  
 1672634 [Runtime error for Excise with more than 999 line items:J1IIN](#)  
 586163 [Composite Note on SAP R/3 Inventory Management in SAP BW](#)  
 1268872 [RGFLC1F: Incorrect balance for FI item summarization](#)  
 1779136 [Extended summarization of FI documents](#)  
 1405674 [FF 793 in Indian company code](#)  
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 1477287 [BADI TAX1\\_XTXIT\\_SET: Summarizing tax items](#)  
 687873 [MRKO: Short dump during IDOC settlement](#)  
 1471432 [Restore Quantity in Accounting Interface for FM documents](#)  
 1338729 [MIRO in Indian company code: Error messages FF](#)  
 819188 [JIT: Accounting doc. cannot be created for ESP delivery.](#)  
 1318938 [BAPI: tax data in ACCTX for Accounting Interface](#)  
 1316014 [MIRO: BSEG-TXGRP incorrect for Indian company code](#)  
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 1411253 [F5 727 occurs for goods movements from EWM](#)  
 748028 [Information VY 110: General error during transfer](#)  
 1482786 [Using the enhanced BAdI BADI TAX1\\_XTXIT\\_SET](#)  
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 517768 [\(FI\) FI057 due to BUZEI in connectn w/ doc. split in FI \(1\)](#)  
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 116523 [Q&A: How to customize Payroll Accounting postings in Rel.4.x](#)  
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