



SAP EBS

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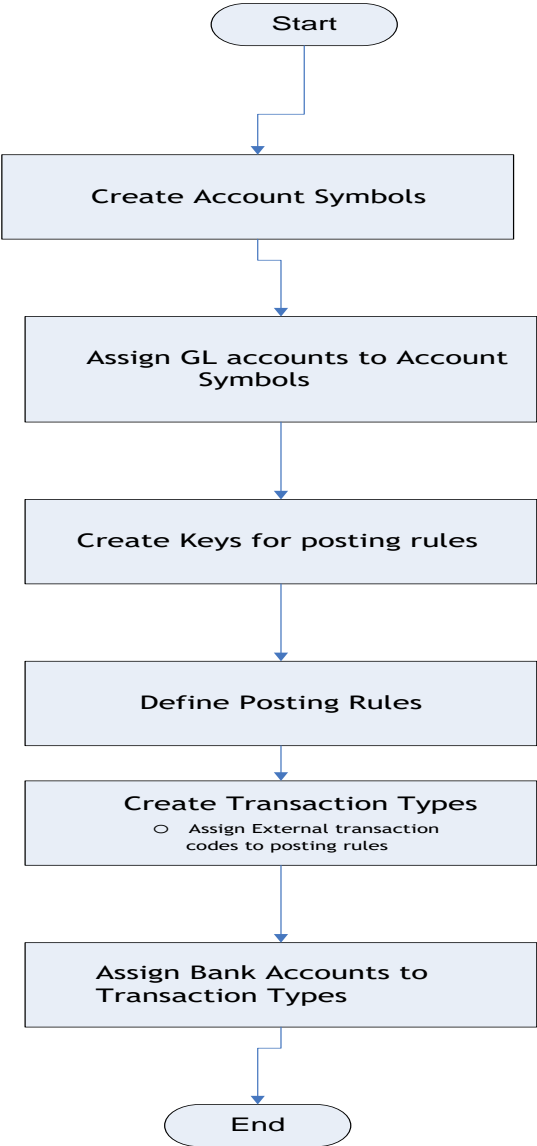
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Electronic Banking Statement (EBS) Settings

- EBS is an electronic document sent by the Bank giving the details of the transactions done by the Customer / Account Holder.
- The electronic document can be remitted by the Bank in the following formats - SWIFT, Multicash, BAI etc.
- This Statement is used in SAP to do an automatic reconciliation of the bank related transactions.
- The statement is uploaded in SAP and it clears the various bank clearing accounts such as the check out, check-in account to the Main Bank Account.

EBS Process



Configuration Steps

- The component Bank Accounting in R/3 System is used to handle accounting transactions that are processed with the clients' Banks.
- R/3 System provides the settings for EBS.
- It includes management of Bank master data, the creation and processing of incoming and outgoing payments.
- All country specific characteristics such as the specifications for manual and electronic payment procedures, payment forms or data media can be freely defined.

Define House Banks (FI12)

Path - SPRO> Financial Accounting > Bank Accounting > Bank Accounts > Define House Banks

- Create GL account (Tcode FS00) for the Main Bank and sub GL accounts such as Checks received, checks paid, wire transfer etc. All the sub GL accounts are maintained on an Open Item basis. Maintain the GL Code and the Account Id. (Account ID together with the ID for the House Bank uniquely defines a Bank Account).
- Assign the Main Bank GL Account to the House Bank.

Make Global Settings for EBS

Path - SPRO> Financial Accounting > Bank Accounting > Business Transactions > Payment Transactions > Electronic Bank Statement > Make Global Settings for Electronic Bank Statement

- Create Account Symbols
- Assign GL accounts to Account Symbols
- Create Keys for posting rules
- Posting Specifications - Define Posting Rules (2 posting rules: GL (Bank Accounting) posting and Sub ledger posting.
 - For posting rules we define the posting area and assign document type, posting type and account symbols.
 - As the GL accounts are assigned to account symbols, the posting rules will pick the data from the account symbols.
 - Posting specification consists of one or two posting records (debit /credit)
 - One posting rule can have two posting areas
- Create Transaction Types
 - Assign External transaction codes to posting rules
- Assign Bank Accounts to Transaction Types

Note - Account symbols are not defined for sub ledger accounts. Since these are determined either by the standard interpretation algorithm for finding clearing information or by functional enhancements.

Overview of Account Determination

SNO	A/c Symbol	Description	GL A/C	Before upld of EBS	After upld EBS
1	BANK	Bank Account	+++++++	-	-
2	GEBUHREN	Bank Charges Account	479000		DR 2 CR 1
3	SCHECKINGANG	Incoming Checks	+++++8	DR	DR 1 CR 3
4	SCHECKAUSGANG	Outgoing Checks	+++++1	CR	DR 4 CR 1
5	OUTCHQCLR	Outgoing Checks clear	+++++1	CR	DR 5 CR 1
6	INCHQCLR	Incoming checks clear	+++++8	DR	DR 1 CR 6

Search sequence

- Bank key and bank account identifies Transaction type
- Transaction type will store details of external transaction codes and posting rule assigned to the transaction codes.

A Generic view of Accounting Entries for the following transactions

Invoice	
<u>Purchase</u> Raw Material Consumption A/c DR Vendor A/c CR	<u>Sale</u> Customer A/c DR Sales A/c CR
After uploading of EBS File	
<u>When Checks issued out</u> Vendor A/c DR Checks payable Cr	(Scenario: When check are directly deposited by the customer in the Bank). <u>When Checks Received In</u> Incoming Checks DR Customer A/c CR
Checks payable DR Main Bank A/c CR	Main Bank A/c DR Incoming Checks CR
Other Relevant Entries	
<u>Bank Charges</u> Bank Charges A/c DR Main Bank A/c CR	

EBS UPLOAD AS PER BAI/BAI2 FORMAT

Company Code - KIM1
Chart of Accounts - INT

Create Account Symbols and assign accounts to Account Symbols

Created Account Symbols	Description	GL Account assigned to Account Symbols
Bank	Bank Account	++++++
GEBUHREN	Charges	479000
SCHECKEINGANG (Customer check receipts & other receipts)	Incoming Checks account	+++++8
SCHECKAUSGANG (Vendor payments & other payments)	Outgoing checks account	+++++1

Create keys for posting rules

0009	Account charges
001	Debit Bank, Credit Outgoing Wire
0010	Other: Outflow
0011	Other: Inflow
0012	Returned debit memos
0013	Incoming wire funds
0015	Outgoing wire funds
0016	
0017	
0018	
002	Debit Bank, Credit Incoming Wire
0023	Incoming checks
0025	Outgoing checks
007	Debit Bank, Credit Checks
008	Debit Bank, Credit Other
02V0	
06RE	
06V0	
101	Debit Bank expense, Credit Bank
107	Debit Checks, Credit Bank

Define Posting Rule

The screenshot shows the SAP 'Define Posting Rules' dialog. The 'Dialog Structure' on the left includes 'Define Posting Rules'. The main table lists various posting rules with the following columns: Post., Po., Postin..., Specia..., Acct (Debit), Compr..., Postin..., Specia..., Acct (Credit), Compr..., Doc. Type, P..., O..., R... The table contains multiple rows, including one where a single posting rule (0009) is assigned to two different posting areas (GL posting and Sub ledger posting).

Post.	Po.	Postin...	Specia...	Acct (Debit)	Compr...	Postin...	Specia...	Acct (Credit)	Compr...	Doc. Type	P...	O...	R...
0009	1	40		GEBÜHREN		50		BANK		SA	1		
001	1	40		BANCO				US WIRE PAID		SA	5		
0010	1	40		SONSTIGE		50		BANK		SA	1		
0011	1	40		BANK		50		SONSTIGE		SA	1		
0012	1	40		GELDAUSGANG		50		BANK		DZ	1		
0012	2					50		GELDAUSGANG		DZ	7		
0016	1	40		BANK				GELDEINGANG		SA	5		
0017	1	40		GELDAUSGANG		50		BANK		SA	1		
0017	2					50		GELDAUSGANG		KZ	7		
0018	1	40		GELDAUSGANG		50		BANK		SA	1		
0018	2					50		GELDAUSGANG		KA	9	01	
002	1	40		BANCO		50		SCHECKEINGANG		SA	1		
0023	1	40		BANK		50		SCHECKEINGANG		SA	1		
0023	2	40		SCHECKEINGANG						DZ	8		
0025	1	40		SCHECKAUSGANG		50		BANK		SA	1		
0025	2					50		SCHECKAUSGANG		KZ	7		
003	1	40		US BANK				OUTGOING ACH		SA	5		
004	1	40		US BANK		50		INCOMING ACH		SA	1		
007	1	40		BANK				SCHECKEINGANG		SA	5		
02V0	2	40		BANCO						DZ	8		
101	1	40		BANK CHARGES		50		US BANK		SA	1		
107	1			SCHECKAUSGANG		50		BANK		SA	4		
K100	1	40		EBS-BANK CHRGS		50		BANK		SA	1		

One posting rule can be assigned to two posting areas - GL posting and Sub ledger posting

Create Transaction Type

The screenshot shows the SAP 'Create Transaction Type' dialog. The 'Dialog Structure' on the left includes 'Create Transaction Type'. The main table lists various transaction types with the following columns: Trans. type, Name. The table contains multiple rows, including one where a new transaction type 'KIM1-BAI' has been created.

Trans. type	Name
9001 -MT	9001- Swift MT940 - EBS TESTING
BAI2	US BAI2 Transaction
BANCOESP	Banco Español
BRADESCO	BRAZIL: BANCO BRADESCO
ES_CSB43	Spanish codes for elect.acct statment
FIDES	FIDES Switzerland
FIN	Finland: Merita
FRANCE	French codes for elect.acct statment
IHC	
ITAU	BRAZIL: BANCO ITAU
JP	Japanese codes for elect.acct statement
KIM1-BAI	BAI2 Transaction EBS testing for kim1
KIM1 -MT	Swift MT940 for kim1
MT940	Swift MT940 (standard-Germany)
RE	Immobilien

Created Transaction Type KIM1-BAI.

Assigned external transaction types and assigned posting rules

The external transaction types used for the KIM-BAI transaction type are

Ext Trans	+/-	Posting Rule	Description	Interpretation Algorithm
175	+	0023	Incoming checks	Document number search
475	-	0025	Outgoing Checks	Document number search
495	-	0009	Account Charges	No interpretation
498	-	107	Checks paid	Document number search
186	+	007	Checks received	Document number search

Note - External transactions are known as Business Transaction Codes

Assigned Bank Accounts to Transaction Types

Assigned KIM-BAI transaction type to the Bank account of KIM1

Assign Bank Accounts to Transaction Types									
Bank Key	Bank Account	Trans. ty...	Currency cl...	P...	Su...	Co...	Planning A...	Worklist	N.. D D..
50070010	123456789	KIM1-BAI			<input type="checkbox"/>				<input type="checkbox"/>

Execution of the Electronic Bank Statement

- Posted invoices for the customers and vendors and maintained as open items. Also created open items for other payments and other receipts. Created a file in BAI format with customer, vendor, other payments, other receipts, and bank charges transactions

Open Item	Total	Any other info
Customer		
138	2	2 open items per customer
139	2	
Vendor		
300080	2	2 open items per vendor
300081	2	
Other payments	2	Open items already exist; clearing the open items.
Other receipts	2	Open items already exist; clearing the open items.
Bank Charges	2	(Not an open item)
Total number of transactions	14	

Bank statement upload – FF.5

Bank Statement: Various Formats (SWIFT, MultiCash, BAL...)

File specifications

Import data

Elect. bank statement format

Statement file

Line item file

Workstation upload

Posting parameters

Post immediately Bank Accts Only

Generate batch input Session names

Do not post

Assign value date

Cash management

CM Payment Advice Summarization Planning type

Account Balance

Algorithms

BELNR number interval to

XBLNR number interval to

Bundling Items Per Bundel

Output Control

Execute as background job

Print bank statement

Print posting log

Print statistics

Separate list

Update Account Statement/Check Deposit Transaction

Super Fast Company
Hyderabad

Bank statement posting
Posting Log

Posting Ar	Bank Key	Name of bank	Bank acct	St no	Shrt key										
MR no	Shrt key	Pst. rule	ExtT	TCode	Itm	Type	PK	Account	Description	AC	Amount	Field	Selection	Value	
5	196 007	186	FB05	1	SA	40	113100	Dte Bank (domestic)	INR 1 200,00						
	196			2			113108	DteBk - checks recv						BELNR 0100000319	
6	196 007	186	FB05	1	SA	40	113100	Dte Bank (domestic)	INR 1 800,00						
	196			2			113108	DteBk - checks recv						BELNR 0100000320	
7	196 107	498	FB05	1	SA	50	113100	Dte Bank (domestic)	INR 500,00						
	196			2			113101	Dte Bk - checks payb						BELNR 0100000317	
8	196 107	498	FB05	1	SA	50	113100	Dte Bank (domestic)	INR 700,00						
	196			2			113101	Dte Bk - checks payb						BELNR 0100000318	

Field Selection Value Messages

BELNR 0100000319	Document 100000329 was posted in company code KIM1
BELNR 0100000320	Document 100000330 was posted in company code KIM1
BELNR 0100000317	Document 100000331 was posted in company code KIM1
BELNR 0100000318	Document 100000332 was posted in company code KIM1

Super Fast Company
Hyderabad

Bank statement posting
Posting Log

Posting Ar	Bank Key	Name of bank	Bank acct	St no	Shrt key									
MR no	Shrt key	Pst. rule	ExtT	TCode	Itm	Type	PK	Account	Description	AC	Amount	Field	Selection	Val
Subledger	acctng	50070010	Deutsche	Bank	123456789	9	196							
1	196	0023	175	FB05	1	DZ	40	113108	DteBk - checks recv	INR	3 000,00			
	196				2								BELNR	1800000078
	196				3								BELNR	1800000079
2	196	0023	175	FB05	1	DZ	40	113108	DteBk - checks recv	INR	7 000,00			
	196				2								BELNR	1800000080
	196				3								BELNR	1800000081
3	196	0025	475	FB05	1	KZ	50	113101	Dte Bk - checks payb	INR	2 250,00			
	196				2								BELNR	1900000025
	196				3								BELNR	1900000026
4	196	0025	475	FB05	1	KZ	50	113101	Dte Bk - checks payb	INR	2 300,00			
	196				2								BELNR	1900000027
	196				3								BELNR	1900000028

Selection Value Messages

1800000078	
1800000079	Document 1400000042 was posted in company code KIM1
1800000080	
1800000081	Document 1400000043 was posted in company code KIM1
1900000025	
1900000026	Document 1500000017 was posted in company code KIM1
1900000027	
1900000028	Document 1500000018 was posted in company code KIM1

Update Account Statement/Check Deposit Transaction

Super Fast Company Bank statement posting Time 08:02:33 Date 16.10.2006
 Hyderabad Processing Statistics RFEBBU00/SDTEST Page 2

Posting Ar	Bank Key	Account Nu	Sessn	Group	FB01	FB05	PmtAcc	No Posting	Error	Total	Total Deb.	Total Cred
Bank Accounting	50070010	123456789			6	4	0	0	0	10	13 000,00	6 650,00
* Bank Accounting					6	4	0	0	0	10	13 000,00	6 650,00
** Bank Accounting					6	4	0	0	0	10	13 000,00	6 650,00
Subledger acctng	50070010	123456789			0	4	0	6	0	10	13 000,00	6 650,00
* Subledger acctng					0	4	0	6	0	10	13 000,00	6 650,00
** Subledger acctng					0	4	0	6	0	10	13 000,00	6 650,00
***					6	8	0	6	0	20	26 000,00	13 300,00

Bank Statement: Various Formats (SWIFT, MultiCash, BAL...)



Super Fast Company Bank statement posting Time 08:02:51 Date 16.10.2006
 Hyderabad RFEBA00/SDTEST Page 1
 Deutsche Bank
 Bank no.: 50070010 Account number: 123456789 Statement number: 00009 ID: 00000196
 House bank: 1000 Acct ID: DB1 Statement date: 12.10.2006 Currency: INR

Caution: Totals (received from

Opening Balance 356 416,00

Total Debit 0,00
 Total Cred. 0,00
 End Balance 361 816,00

Total Debit 6 650,00
 Total Cred. 13 000,00
 End Balance 362 766,00

MR no	Value date	BkPostDate	Note to payee	Posting text	Amount	BTC
				Opening Balance	356 416,00	
1	12.10.2006	12.10.2006	INVOICENUMBER1800000078 INVOICENUMBER1800000079 Availability: 3 000,00 Available on 13.10.2006		3 000,00	175
2	12.10.2006	12.10.2006	INVOICENUMBER1800000080 INVOICENUMBER1800000081 Availability: 7 000,00 Available on 13.10.2006		7 000,00	175
3	12.10.2006	12.10.2006	INVOICENUMBER1900000025 INVOICENUMBER1900000026 Availability: 2 250,00 Debited on 13.10.2006		2 250,00-	475
4	12.10.2006	12.10.2006	INVOICENUMBER1900000027 INVOICENUMBER1900000028 Availability: 2 300,00 Debited on 13.10.2006		2 300,00-	475
5	12.10.2006	12.10.2006	CHECK111 DEPOSITED BY XYZ Reference 0100000319		1 200,00	186
6	12.10.2006	12.10.2006	CHECK222 DEPOSITED BY ABC Reference 0100000320		1 800,00	186
7	12.10.2006	12.10.2006	CHECK PAID BY RAM Reference 0100000317		500,00-	498
8	12.10.2006	12.10.2006	CHECK PAID BY RAJ Reference 0100000318		700,00-	498
9	12.10.2006	12.10.2006	Reference BANK CHARGES		400,00-	495
10	12.10.2006	12.10.2006	Reference BANK DD CHARG		500,00-	495
*					362 766,00	

The following accounts are cleared after the upload of EBS

- the customer open items are cleared and a clearing document is generated as above.
- the vendor open items are cleared and a clearing document is generated as above.
- the existing open items in the GL accounts (checks payable(113101) and checks receivable (113108)) are cleared at the time of Bank statement upload.

Check for any transactions that are unposted.

FEBA_BANK_STATEMENT_Reprocess for any unposted transactions

Edit Bank Statement

Other Display Lock Printout

1000 / DB1 / 200600002 / 2

Amount 500,00 INR BusTran 169

Post.Day 06.10.06 Partner Bnk

Val.Dt 06.10.06 Partner Acct

Sender

ACHEF4682

Display Note to Payee Separately

Posting Area 1

Doc. 0100000302

PmtAcc

Posting Area 2

Doc.

PmtAcc

Adv.

1000

DB1

- 1 1 113,00
- 2 1 613,00
- 3 7 668,00
- 4 82,23
- 5 8 323,00
- 6 1 164,16
- 7 1 064,16
- 8 3 564,16
- 9 361 816,00

This screen shows that the statement # 9 is cleared and is shown in green

To display all the bank statements uploaded - FF_6.