



The Simic system

General Ledger Link

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Direct update interface

This interface consists of filling, by means of programmes written for your needs, the RBFINT file, of executing menu point 355 of SIMIC which will check the quality of data and will process the transactions in an automatic way.

If an error is found during the check, it is the totality of the transactions which will be rejected.

For all the interface options, the file member can be selected :

- interactive jobs : with an additional screen.
- batch jobs : with a new parameter (RBB355/356 programs).

Concept

TAKING OF DATA INTO SIMIC

The taking of data contained in the RBFINT file will be carried out by means of the 'interface' menu of the SIMIC-LINK application.

```

RBMMENU                SIMIC SYSTEM - MAIN MENU                User : SIMICRBH
                        400 SIMIC INFORMATIQUE                SIMICRBH

Select one of the following :

        LINK - General ledger

351  Browse input trasactions
352  Check input transactions - GL interface
355  GL interface - update master files
356  GL interface - transfer to suspend file

                                                +

Selection :                Data set : 1                Position to . . . :
                        F13=Change the company        F14=Change the Data Set RBMMENU
    
```

351 Display of transactions to be treated

This option allows you to view in a succinct manner the contents of the member concerned in the RBFINT file.

352 Check of transactions to be treated

This option allows you to carry out all the checks which will be executed during the direct update. The result of this check will be visible in the list generated by this option.

355 GL interface - File update

Execution of work with direct update of accounts.

356 GL interface - transfer into suspended

Execution of work, the vouchers are suspended.

Description of file RBFINT

Description format

Recording format : RBFINT1
 Number of zones : 46
 Length of recording : 371

level zone information

Zone	Type	Long zone	Long tampon	Position tampon	Usage zone	En-tête colonne	
RBFZCOMP	ALPHA	3	3	1	E/S	COMPANY CODE	
RBFZACC	ALPHA	15	15	4	E/S	ACCOUNT NR	
RBFZDSC	ALPHA	1	1	19	E/S	DATA SET CODE	
RBFZVNR	ALPHA	11	11	20	E/S	VOUCHER NR	
RBFZTYPE	ALPHA	1	1	31	E/S	TYPE N/S/R	
RBFZVCRD	ALPHA	10	10	32	E/S	VOUCHER DESCRIPT.	
RBFZPER	ZONED	2	2	42	E/S	PERIOD	
RBFZDTD	ALPHA	2	2	44	E/S	TRANS. DATE DAY	
RBFZDTM	ALPHA	2	2	46	E/S	TRANS. DATE MONTH	
RBFZDTY	ALPHA	4	4	48	E/S	TRANS. DATE YEAR	
RBFZVDD	ALPHA	2	2	52	E/S	VALUE DATE DAY	
RBFZVDM	ALPHA	2	2	54	E/S	VALUE DATE MONTH	
RBFZVDY	ALPHA	4	4	56	E/S	VALUE DATE YEAR	
RBFZCACC	ALPHA	15	15	60	E/S	CONTRA-ACCOUNT NR	
RBFZDESC	ALPHA	25	25	75	E/S	LINE DESCRIPTION	
RBFZDESC2	ALPHA	25	25	100	E/S	LINE DESCRIPT. 2	
RBFZREF	ALPHA	10	10	125	E/S	REFERENCE	
RBFZAMTC	ZONED	15	3	15	135	E/S	AMOUNT LC
RBFZAMTF	ZONED	15	3	15	150	E/S	AMOUNT FC
RBFZQTY	ZONED	11	11	165	E/S	QUANTITY	
RBFZCURR	ALPHA	3	3	176	E/S	CURRENCY	
RBFZRATE	ZONED	11	11	179	E/S	RATE	
RBFZRPER	ZONED	2	2	190	E/S	REVERSE PERIOD	
RBFZREF2	ALPHA	10	10	192	E/S	REFERENCE 2	
RBFZOCUR	ALPHA	3	3	202	E/S	ORIGINAL CURRENCY	
RBFZOAMTF	ZONED	15	15	205	E/S	ORIGINAL FC	
RBFZREF3	ALPHA	15	15	220	E/S	REFERENCE 3	
RBFZUSER	ALPHA	5	5	235	E/S	USER FIELD	
RBFZCAS	ALPHA	1	1	240	E/S	CONTRA/ACCOUNT YN	
RBFZRECO	ALPHA	1	1	241	E/S	RECONCILIATION	
RBFZICO	ALPHA	1	1	242	E/S	INTERCO	
RBFZST1	ALPHA	1	1	243	E/S	STATUS	
RBFZID	ALPHA	1	1	244	E/S	ID	
RBFZRUN	ALPHA	7	7	245	E/S	RUN NO	
RBFZINT	ALPHA	1	1	252	E/S	INTEREST CODE	
RBFZLVATC	ALPHA	1	1	253	E/S	VAT REC Y/N	
RBFZVATC1	ALPHA	5	5	254	E/S	VAT BASE	
RBFZVATC2	ALPHA	3	3	259	E/S	VAT NAT.	
RBFZVATC3	ALPHA	3	3	262	E/S	VAT LOC.	
RBFZLBASF	ZONED	15	3	15	265	E/S	LINE BASE FC
RBFZLBASC	ZONED	15	3	15	280	E/S	LINE BASE CC
RBFZCADH1	ALPHA	2	2	295	E/S	TAXPAYER 1/COMP	
RBFZCADH2	ALPHA	15	15	297	E/S	TAXPAYER 2/COMP	
RBFZADH1	ALPHA	2	2	312	E/S	TAXPAYER 1	
RBFZADH2	ALPHA	15	15	314	E/S	TAXPAYER 2	
RBFZF1	ALPHA	43	43	329	E/S	RBFZF1	

Description of DDS from file RBFINT

for COBOL

A	R	RBFINT1			
A		RBFZCOMP	3		COLHDG('COMPANY CODE')
A		RBFZACC	15		COLHDG('ACCOUNT NR')
A		RBFZDSC	1		COLHDG('DATA SET CODE')
A		RBFZVNR	11		COLHDG('VOUCHER NR')
A		RBFZTYPE	1		COLHDG('TYPE N/S/R')
A		RBFZVCRD	10		COLHDG('VOUCHER DESCRIPT.')
A		RBFZPER	2S 0		COLHDG('PERIOD')
A		RBFZDTD	2		COLHDG('TRANS. DATE DAY')
A		RBFZDTM	2		COLHDG('TRANS. DATE MONTH')
A		RBFZDTY	4		COLHDG('TRANS. DATE YEAR')
A		RBFZVDD	2		COLHDG('VALUE DATE DAY')
A		RBFZVDM	2		COLHDG('VALUE DATE MONTH')
A		RBFZVDY	4		COLHDG('VALUE DATE YEAR')
A		RBFZCACC	15		COLHDG('CONTRA-ACCOUNT NR')
A		RBFZDESC	25		COLHDG('LINE DESCRIPTION')
A		RBFZDESC2	25		COLHDG('LINE DESCRIPT. 2')
A		RBFZREF	10		COLHDG('REFERENCE')
A		RBFZAMTC	15S 3		COLHDG('AMOUNT LC')
A		RBFZAMTF	15S 3		COLHDG('AMOUNT FC')
A		RBFZQTY	11S 0		COLHDG('QUANTITY')
A		RBFZCURR	3		COLHDG('CURRENCY')
A		RBFZRATE	11S 7		COLHDG('RATE')
A		RBFZRPER	2S 0		COLHDG('REVERSE PERIOD')
A		RBFZREF2	10		COLHDG('REFERENCE 2')
A		RBFZOCUR	3		COLHDG('ORIGINAL CURRENCY')
A		RBFZOAMTF	15S 3		COLHDG('ORIGINAL FC')
A		RBFZREF3	15		COLHDG('REFERENCE 3')
A		RBFZUSER	5		COLHDG('USER FIELD')
A		RBFZCAS	1		COLHDG('CONTRA/ACCOUNT YN')
A		RBFZRECO	1		COLHDG('RECONCILIATION')
A		RBFZICO	1		COLHDG('INTERCO')
A		RBFZST1	1		COLHDG('STATUS')
A		RBFZID	1		COLHDG('ID')
A		RBFZRUN	7		COLHDG('RUN NO')
A		RBFZINT	1		COLHDG('INTEREST CODE')
A		RBFZLVATC	1		COLHDG('VAT REC Y/N')
A		RBFZVATC1	5		COLHDG('VAT BASE')
A		RBFZVATC2	3		COLHDG('VAT NAT.')
A		RBFZVATC3	3		COLHDG('VAT LOC.')
A		RBFZLBASF	15S 3		COLHDG('LINE BASE FC')
A		RBFZLBASC	15S 3		COLHDG('LINE BASE CC')
A		RBFZCADH1	2		COLHDG('TAXPAYER 1/COMP')
A		RBFZCADH2	15		COLHDG('TAXPAYER 2/COMP')
A		RBFZADH1	2		COLHDG('TAXPAYER 1')
A		RBFZADH2	15		COLHDG('TAXPAYER 2')
A		RBFZF1	43		
A	K	RBFZCOMP			
A	K	RBFZDSC			
A	K	RBFZTYPE			
A	K	RBFZPER			
A	K	RBFZVNR			
A	K	RBFZVCRD			

Format DDS AS/400 for RPG

for RPG (in QDDSSRC from SM2UTIL)

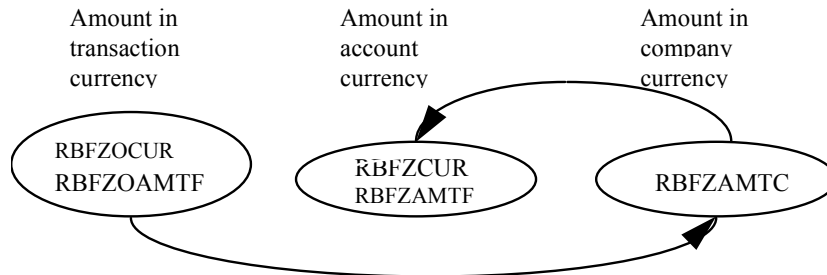
A	R	RBFINT1			
A		ZCOMP	3		COLHDG ('COMPANY CODE')
A		ZACC	15		COLHDG ('ACCOUNT NR')
A		ZDSC	1		COLHDG ('DATA SET CODE')
A		ZVNR	11		COLHDG ('VOUCHER NR')
A		ZTYPE	1		COLHDG ('TYPE N/S/R')
A		ZVCRD	10		COLHDG ('VOUCHER DESCRIPT.')
A		ZPER	2S 0		COLHDG ('PERIOD')
A		ZDTD	2		COLHDG ('TRANS. DATE DAY')
A		ZDTM	2		COLHDG ('TRANS. DATE MONTH')
A		ZDTY	4		COLHDG ('TRANS. DATE YEAR')
A		ZVDD	2		COLHDG ('VALUE DATE DAY')
A		ZVDM	2		COLHDG ('VALUE DATE MONTH')
A		ZVDY	4		COLHDG ('VALUE DATE YEAR')
A		ZCACC	15		COLHDG ('CONTRA-ACCOUNT NR')
A		ZDESC	25		COLHDG ('LINE DESCRIPTION')
A		ZDESC2	25		COLHDG ('LINE DESCRIPT. 2')
A		ZREF	10		COLHDG ('REFERENCE')
A		ZAMTC	15S 3		COLHDG ('AMOUNT LC')
A		ZAMTF	15S 3		COLHDG ('AMOUNT FC')
A		ZQTY	11S 0		COLHDG ('QUANTITY')
A		ZCURR	3		COLHDG ('CURRENCY')
A		ZRATE	11S 7		COLHDG ('RATE')
A		ZRPER	2S 0		COLHDG ('REVERSE PERIOD')
A		ZREF2	10		COLHDG ('REFERENCE 2')
A		ZOCUR	3		COLHDG ('ORIGINAL CURRENCY')
A		ZOAMTF	15S 3		COLHDG ('ORIGINAL FC')
A		ZREF3	15		COLHDG ('REFERENCE 3')
A		ZUSER	5		COLHDG ('USER FIELD')
A		ZCAS	1		COLHDG ('CONTRA/ACCOUNT YN')
A		ZRECO	1		COLHDG ('RECONCILIATION')
A		ZICO	1		COLHDG ('INTERCO')
A		ZST1	1		COLHDG ('STATUS')
A		ZID	1		COLHDG ('ID')
A		ZRUN	7		COLHDG ('RUN NO')
A		ZINT	1		COLHDG ('INTEREST CODE')
A		ZLVATC	1		COLHDG ('VAT REC Y/N')
A		ZVATC1	5		COLHDG ('VAT BASE')
A		ZVATC2	3		COLHDG ('VAT NAT.')
A		ZVATC3	3		COLHDG ('VAT LOC.')
A		ZLBASF	15S 3		COLHDG ('LINE BASE FC')
A		ZLBASC	15S 3		COLHDG ('LINE BASE CC')
A		ZCADH1	2		COLHDG ('TAXPAYER 1/COMP')
A		ZCADH2	15		COLHDG ('TAXPAYER 2/COMP')
A		ZADH1	2		COLHDG ('TAXPAYER 1')
A		ZADH2	15		COLHDG ('TAXPAYER 2')
A		ZF1	43		
A	K	ZCOMP			
A	K	ZDSC			
A	K	ZTYPE			
A	K	ZPER			
A	K	ZVNR			
A	K	ZVCRD			

This file may be used to compile the programmes written in RPG or in a language which necessitates zone names with a limited number of characters.

If you want to use it you must create in your own library or in the SM2UTIL library.

The DDS of this file are available in file QDDSSRC of the SM2UTIL library.

Principle of the calculation of amount zones



Case 1

The zones RBFZOAMTF and RBFZOCUR are filled, the zones RBFZAMTF, RBFZCURR, RBFZAMTC, RBFZRATE are empty.
The period rate is applied for conversion between RBFZOAMTF and RBFZAMTC, as well as between RBFZAMTC and RBFZAMTF.

Case 2

The zones RBFZOAMTF and RBFZOCUR are filled, the zones RBFZAMTF, RBFZCURR, RBFZAMTC are empty.
The zone RBFZRATE contains a rate.
The rate of RBFZRATE is applied for conversion between RBFZOAMTF and RBFZAMTC.
The period rate is applied for the conversion between RBFZAMTC and RBFZAMTF.

Case 3

The zones RBFZOAMTF and RBFZOCUR are filled, the zones RBFZAMTC, RBFZRATE are empty.
The zones RBFZAMTF and RBFZCURR contain values.
The period rate is applied for conversion between RBFZOAMTF and RBFZAMTC.
No calculation is made for RBFZAMTF.

Case 4

The zones RBFZOAMTF and RBFZOCUR, RBFZAMTF, RBFZCURR, RBFZAMTC are filled.
The zone RBFZRATE must be empty.
Only the rates are calculated.

Case 5

The zone RBFZAMTF is filled, the zones RBFZOCUR, RBFZOAMTF, RBFZAMTC, RBFZRATE are empty.
The period rate is applied for the conversion from RBFZAMTF to RBFZAMTC.
The account currency is found in the account file.
The contents of RBFZAMTF is copied into RBFZOAMTF.

Case 6

The zone RBFZAMTC is filled, the zones RBFZOCUR, RBFZOAMTF, RBFZAMTF, RBFZRATE are empty.

The period rate is applied for the conversion from RBFZAMTC to RBFZAMTF.

The account currency is found in the account file.

The contents of RBFZAMTF is copied into RBFOAMTF

Case no 7

The zone RBFZAMTC is filled, the zones RBFZOCUR, RBFZOAMTF, RBFZAMTF are empty.

The zone RBFZRATE contains a rate applied for the conversion from RBFZAMTC to RBFZAMTF.

The account currency is found in the account file.

The contents of RBFZAMTF is copied into RBFOAMTF

Table of examples of amount treatment

	Amount in transaction currency		Amount in account currency			Amount in company currency
	RBFZOCUR	RBFZOAMTC	RBFZCURRE	RBFZAMTF	RBFZRATE	RBFZAMTC
Case 1	USD	1000.00			0.00	
Result 1	USD	1000.00	DEM	1470.59	88.40	1300.00
Case 2	USD	1000.00			1.35	
Result 2	USD	1000.00	DEM	1527.15	88.40	1350.00
Case 3	USD	1000.00	DEM	1500.00	0.00	
Result 3	USD	1000.00	DEM	1500.00	86.67	1300.00
Case 4	USD	1000.00	DEM	1530.00	0.00	1320.00
Result 4	USD	1000.00	DEM	1530.00	86.27	1320.00
Case 5				1500.00		
Result 5	DEM	1500.00	DEM	1500.00	88.40	1326.00
Case 6					0.00	1326.00
Result 6	DEM	1500.00	DEM	1500.00	88.40	1326.00
Case 7					88.00	1326.00
Result 7	DEM	1166.88	DEM	1166.88	88.00	1326.00

In the above table the company currency is the CHF.

The account is managed in DEM (Account currency).

The standard rates of the period are:

DEM/CHF 88.40

USD/CHF 1.30

Zone contents of file RBFINT

The information below gives you the contents wished for each zone of the RBFINT file.

Zones to be filled on each recording

RBFZCOMP Company number

Obligatory for each recording.

This number contains the company number (accounting number) that you wish to attribute to it.

If you are working in multi-companies you can load in the same treatment data for several companies.

RBFZACC G.L. account number

Obligatory.

This account number will serve to generate a transaction as a function of the account currency code.

This number must exist in the chart of accounts.

RBFZDSC Data Set number

Obligatory

This number allows you to direct the transactions to the 'Data Set' of your choice.

For memory	Data set 1	=	Current year
	Data set 2	=	Last year
	Data set 3 to 6	=	According to your choice.

RBFZVNR Voucher number

Optional

This zone may contain the number of the voucher managed by your care. We recall that the voucher number must be unique for a company and for all data sets.

If this zone is empty, it is the update programme which will complete it on the basis of the last voucher number available.

RBFZTYPE Voucher type

Obligatory

This zone may contain only the following codes:

N	=	Normal voucher
R	=	Voucher with reverse on a later period
S	=	Standard voucher, so repetitive
E	=	Exchange voucher. Warning: If the foreign amount is zero, The zone 'RBFZST1' must have the value '#' to accept this transaction.

RBFZVCRD Voucher label

Optional

This zone may contain a label of 10 characters to describe your voucher.

The interface programme makes a voucher break also on this zone.

By default the update programme fills it with the word «LINK».

RBFZPER *Accounting period*

Optional

This zone contains the period number desired of accounting within the limits 01 to 12 or 13 according to the parameters fixed at the company level.

RBFZDTD, RBFZDTM, RBFZDTY *Transaction date, day, month, year*

Obligatory

DTD = Day included between 1 and 31 at the maximum

DTM = Month included between 1 and 12

DTY = Century and year in four positions.

Example: 12th January 1995 = RBFZDTD 12
RBFZDTM 01
RBFZDTY 1995

RBFZVDD, RBFZVDM, RBFZVDY *Value date of transaction day, month, year*

Optional

This zone is used to give a value date to your transaction.

This date serves for the calculation of interest module.

If it is not filled, the interface programme carries over automatically the transaction date into the value date zones.

DTD = Day included between 1 and 31 at the maximum

DTM = Month included between 1 and 12

DTY = Century and year in four positions.

Example: 12th January 1995 = RBFZVDD 12
RBFZVDM 01
RBFZVDY 1995

RBFZCACC *Counter-transaction account*

Optional if the value of the zone RBFZCAS is « N » or « blank ».

This zone is only informative, it does not generate counter-transactions automatically.

This number must exist in the chart of accounts.

Obligatory if the value of the zone RBFZCAS is « Y ».

This zone is used to generate the automatic counter-transaction.

This number must exist in the chart of accounts.

RBFZDESC *Transaction description*

Obligatory

Description zone to the transaction, this description must contain at least one character.

RBFZDESC2 *Transaction description*

Optional

Second transaction description zone.

RBFZREF *Transaction reference*

Optional

Allows coding a reference for this transaction, according to the usage chosen in the framework of your accounting.

RBFZAMTC *Amount in company currency*

Optional

This zone may contain the amount of the transaction in company currency.

This field is signed.

+	sign	signifies a debit
-	sign	signifies a credit.

This zone is only filled if you want to force the account into company currency.

RBFZAMTF *Amount in account currency*

Optional

This zone is only filled if you want to force the account into the account currency shown in the RBFZACC zone.

This field is signed.

+	sign	signifies a debit
-	sign	signifies a credit.

RBFZQTY *Quantity linked to the amount*

Optional

Contains the signed quantity according to the same rules as the amount.

There are no decimals in this zone.

RBFZCURR *Account currency*

Optional

The code used must correspond to a currency code contained in the currency file (RBF CUR) and to the currency fixed for the account number contained in zone RBFZACC.

RBFZRATE *Exchange rate*

Optional

The update programme calculates by means of this rate the value in company currency and completes zone RBFZAMTC.

If you have filled zone RBFZAMTC, the update programme controls the agreement to your calculation. If there is a difference it will refuse the transaction. In this case it is preferable to leave the exchange rate at zero.

RBFZRPER *Inverse period*

Optional

This zone is to be filled if you have completed zone RBFZTYPE with the code «R».

In this case you indicate the inverse period of the transaction.

RBFZREF2 *Reference 2 of the transaction*

Optional

Allows coding a second reference for this transaction according to the usage chosen in the framework of your accounting.

RBFZOCUR *Transaction currency*

The code used must correspond to the currency code contained in the currency file (RBFCUR).

RBFZOAMTF *Amount in transaction origin currency*

Optional

The amount indicated in this zone will be in the currency defined in the zone RBFZOCUR

This field is signed.

+ sign signifies a debit
- sign signifies a credit.

If this zone is not filled, the update programme will complete it with the account currency code indicated in the zone RBFZACC.

RBFZREF3 *Reference 3 of the transaction*

Optional

May contain an article number to link with GPAO

RBFZUSER *User field*

Optional

May contain information relating to the application having generated the transactions in this interface.

RBFZCAS *Automatic counterpart Y/N*

Optional

The values of this zone are:

« blank » or « N » = no automatic counterpart.

« Y » = automatic counterpart wished.

This zone is usable only if you load your interface in the suspended file. (Option 356).

In the case of « Y » the zone RBFZCACC must be filled.

RBFZRECO *Reconciled code*

Optional

If you wish that the transaction be loaded as being already reconciled the zone will have the value « Y ».

Otherwise the value is « blank ».

RBFZICO *Interco code*

Optional

Value = « blank »

Not used for the moment.

RBFZST1 *Status code*

Internal usage zone, filled with a « blank ».

RBFZID *ID code*

Internal usage zone, filled with a « blank ».

RBFZRUN *Internal run number*

Internal usage zone, filled with a « blank ».

RBFZINT *Interest transaction code*

Internal usage zone, filled with a « blank ».

RBFZLVATC *Identification recording tax*

Obligatory

« N » = Normal transaction, not touching a tax account.

« Y » = Transaction touching a tax account and necessitating a recording in the tax file.

RBFZVATC1 *Tax base code*

Obligatory if RBFZLVATC is = « Y »

This zone is split into two sub-zones:

2 characters for the country code

3 characters for the tax code

Example: CH065 = Swiss VAT at 6.5%

The information contained in this zone is checked with the contents of file SMFTX1, visible at menu point 74.

RBFZVATC2 *Premium nature code*

Obligatory if RBFZLVATC is = « Y ».

This zone contains the premium nature linked to the base amount.

The information contained in this zone is checked with the contents of file SMFNAT, visible at menu point 75.

RBFZVATC3 *Destination code*

Obligatory if RBFZLVATC is = « Y ».

This zone contains the destination of the merchandise or the service.

The information contained in this zone is checked with the contents of file SMFLOC, visible at menu point 76.

RBFZLBASF Amount of tax base

Obligatory if RBFZLVATC is = « Y »
Put the base amount used to calculate the tax in invoice currency.

RBFZLBASC Amount of tax base

Optional
Put the base amount used to calculate the tax in company currency.
If the zone is not filled it will be completed by the interface programme with the accounting month rate or the rate resulting from the calculation of zones RBFZAMTF / RBFZAMTC.

RBFZCADH1 Country registration code

Optional
This zone contains the country ISO code of registration of the company.
If the zone is blank the contents will be completed by data from the company code (RBFSOC).

RBFZCADH2 Registration number

Optional
This zone contains the registration number of the company.
If the zone is blank the contents will be completed by data from the company code (RBFSOC).

RBFZADH1 Registration country of premium payer

Optional
For the case of a sale
Obligatory
For a spending or a buying
This zone contains the ISO country of registration code of the supplier of the premium, service, goods or property.

RBFZADH2 Premium payer registration number

Optional
For the case of a sale
Obligatory
For a spending or a buying
This zone contains the registration number of the supplier of the premium.

RBFZF1 Filler

Must be blank.
