

# Internal Control - Calculation Interests on IBA

Domain: Treasury Accounting

Responsibility area: SU Treasury Accounting Team

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Scope

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ERP

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Frequency

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References

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Forms

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## 1. Objective and Scope

### 1.1. Objective of this Operation

#### 1.1.1 **Process context**

This procedure is the reconciliation of the interests on IBA. This check allows us to confirm that the calculation made by the system is correct. We need to use SAP and Excel files to perform the control and this procedure will explain what its need to be done to accomplish it.

Code	Entity	Country
2232	Syensqo SA - Treasury Division	Belgium

4044	Syensqo Finance (America), LLC	US
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### 1.1.2 **Objective**

Accurately calculate the interests of IBA on excel file.

This process needs to be performed on a monthly basis on D-1 after the Interests calculation on IBA is complete in companies 2232 and 4044.

### 1.1.3 **Critical areas and impact on other processes**

Accuracy and completeness are key given to the impact that the process has on affiliate level.

### 1.1.4 **Process description**

The SU Treasury Accounting team is responsible to perform the reconciliation. The following have to be assured for the control to be efficient:

1. Upload IBA 591\* YTD balance for respective month from GR55
2. Upload the P&L details for current month accounts 6500030000 and 7510030000
3. Create the Pivot table for P&L accounts by Trading Partner / Currency / Amount in Local Currency (EUR)
4. Sort the amount in Local Currency (EUR) < and >30k EUR (other amounts just group and hide)
5. Check the Debit and Credit rates for Positive and Negative IBA balances and put in the file
6. Create the Analysis tab "IBA":
  - a. Analyze IBA's with > -30k and < 30k EUR
  - b. Investigate differences > 5% and < -5% between interests calculation (theory and booked in SAP)
7. When Calculation is done - the Totals by IBA should be copied in CUMULATIVE file to see Cumulative analysis for the year

### 1.1.5 **Roles and responsibilities**

Syensqo SA Treasury Accounting Team is in charge of interest calculation process. There is no segregation of duties between the team members.

### 1.1.6 **Parties involved**

In case any problem is encountered during the execution of the check please check with treasury accounting team members.

## 1.2. Scope

This procedure is applied to entities 2232 and 4044.

This procedure is under the responsibility of the SU Treasury Accounting team to ensure the replication in the affiliates.

## 2. Definitions

See [Finance Glossary](#):

- IBA - Internal Bank Account
- PI2 - SAP Treasury Production System

As explained before this process is the reconciliation of the interests on IBA calculation. For more information on how the interests are calculated please see the following operating procedure:

OP7 - Interest calculation on IBA\_062018\_updated 20210922


## 3. Tasks description

The following procedure will have focus on how to build the control for company 4044.

The first step is to open a previous control created (M-1) and make a save as in the following folder:

\\LUCAP-USERS\TREASURY ACCOUNTING\INTERNAL CONTROLS YYYYRtR.TRE.01.09\_Interest on IBA

The file to use as a reference is:


 4044\_RtR.TRE.01.09\_INTEREST ON IBA\_09 2025

On the next chapters we will show you how to build the different tabs of the control:

1)Balance sheet | 2)SAP SEP | 3)INTR | 4)PIVOT INTR | 5)IBA | 6)Value Date | YEARS | 591USD7008

For company 2232 the procedure is different since we make the cumulative analysis.

The file to use as a reference is:

 2232\_RtR.TRE.01.09\_Interest on IBA\_CUMULATIVE\_09 2025

On the next chapters we will show you how to build the different tabs of the control:

1)Interests SAP | 2)Interest rates | 3)Value date balances | 4)EOM rates | Pivot | Dashboard | Justification | 09.2025

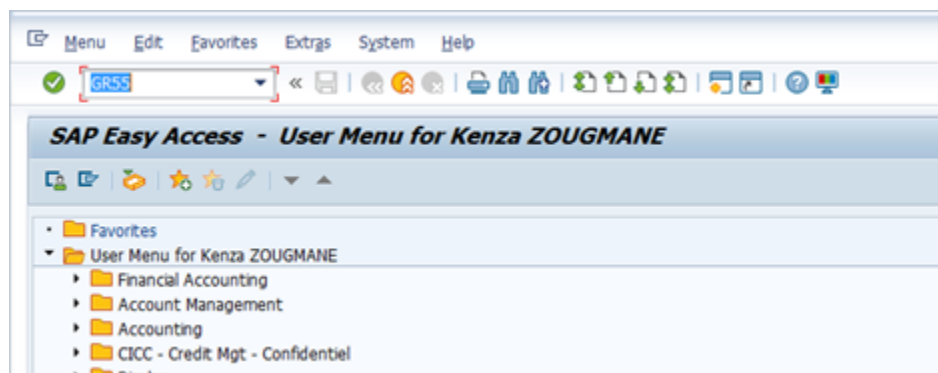
### 3.1. For company 4044

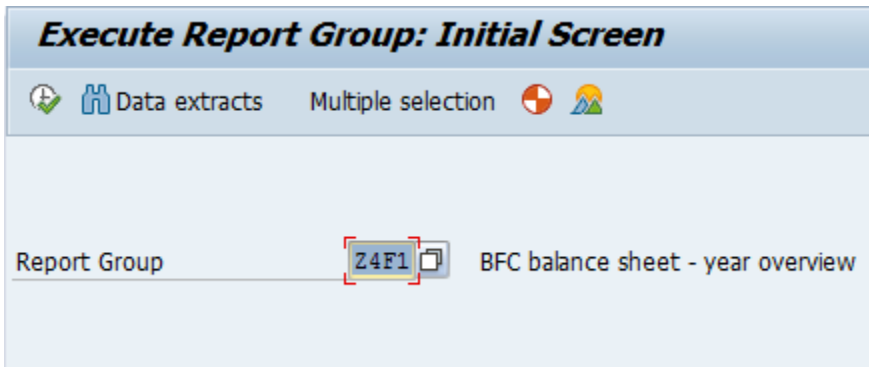
#### 3.1.1. SAP “MONTH”

1)Balance sheet | 2)SAP SEP | 3)INTR | 4)PIVOT INTR | 5)IBA | 6)Value Date | YEARS | 591USD7008

In this chapter we need to retrieve the balances of the IBA’s in D-1.

Go to PI2, transaction GR55 and Report Group Z4F1 (BFC balance sheet - year overview):





Then fulfill the year, month and the company code:

**Selection values**

Fiscal Year: 2025  
 To period: 9

**Selection groups**

Company code: [ ]  
 Or value(s): 4044 to [ ]

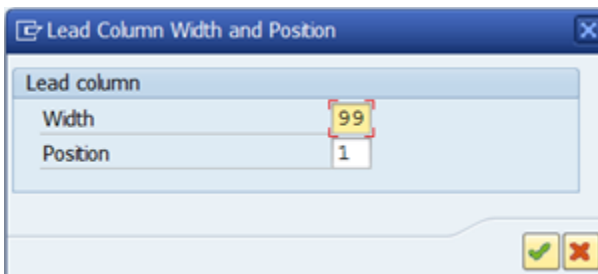
Select "Lead Column"

0RU Z4F1 Z4F10001	BFC - Blance sheet	Date of selection	14.10.2025 09:54:18	Page	2 of 2
Company Code/Group	4044 - 4044 SYENSQO FINANCE (US)	Chart of Accounts	COCA - Solvay chart	User	PT6304415
Fiscal Year/Group	2025	all values in Normal	USD		020 CICC
<b>Lead column</b>		Cumul 9	January	February	

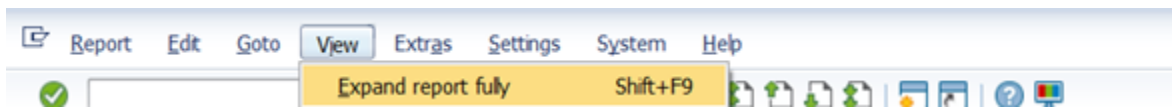
And then "Settings" – "Column Attributes"



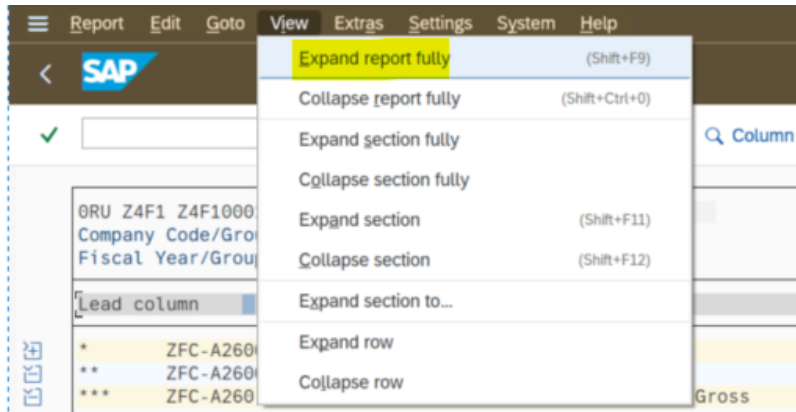
And put 99:



Next go to "View" and select "Expand report fully":



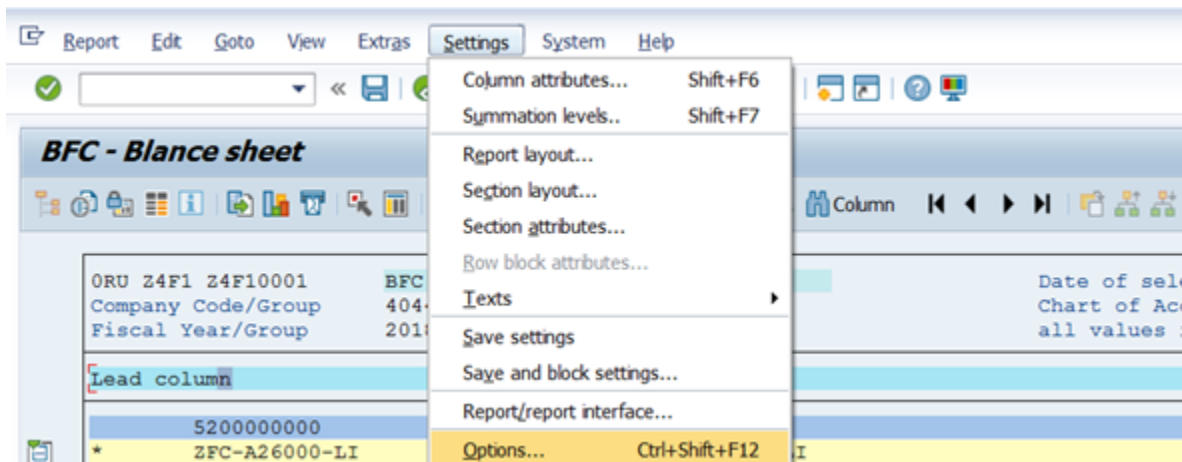
A similar screen will appear:



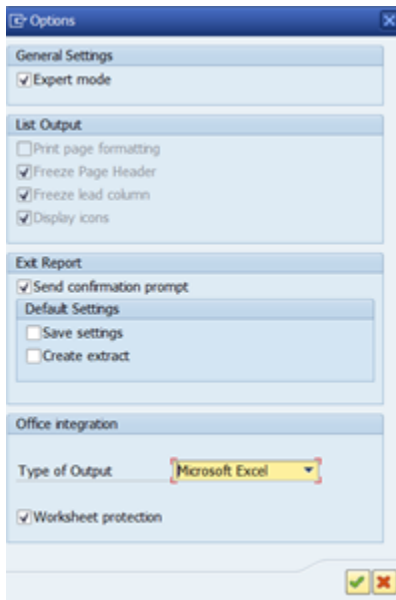
You can see that for each schedule you are able to see the GL accounts.

The next step is to retrieve all GL accounts 591\* (from Assets and Liabilities) to excel.

Go to "Settings" – "Options"



And choose "excel" has an output:



Afterwards copy paste the information to an excel file:

Lead column	Cumul 7	January	Febru
520000000 Internal loans-acq val	1.600.000.000	1.600.000.000	1.600.0
* ZFC-A26000-LI Long-term loans, Gross-LI	1.600.000.000	1.600.000.000	1.600.0
** ZFC-A26000 Long-term loans, Gross	1.600.000.000	1.600.000.000	1.600.0
*** ZFC-A260-G Other LT financial assets, Gross	1.600.000.000	1.600.000.000	1.600.0
**** ZFC-A260 Other LT financial assets, Net	1.600.000.000	1.600.000.000	1.600.0
***** ZFC-AS-NC ASSETS NON-CURRENT	1.600.000.000	1.600.000.000	1.600.0

Paste it in tab 1) Balance sheet.

Next you need to:

- Take out all colours;
- You just need the "Cumul 9". You may eliminate the rest of the columns;
- Create a filter and choose all accounts starting with "591";
- You can eliminate all rows with no amount (blanks) and zero amounts;
- The Negative sign in liabilities are after the number. You need to change this because the sign has to be first. Select these types of amounts, go to "Data" – "Text to Columns" and press Enter until the end. You can custom the cells has a number afterwards;
- Cross check if the total you have is the same with the sum of the 591\* in SAP. This is to guarantee that we didn't lost any information along the way.

Lead column		Cumul 9
591USD7424	C/Cp Solvay USA-USD	720 454 243,72
591USD2232	C/C SOLVAY SA TREAS SCO-USD	490 574 010,92
591USD4045	C/Cp Solvay North America, LLC (US)-USD	431 457 400,04
591USD5782	C/Cp SOLVAY ADVANCE POLYMERS (US)-USD	324 375 722,41
591USD7008	C/Cp Cytec Industries Inc. (US)-USD	205 676 159,45
591USD6402	C/Cp ENERGY SOLUTIONS US-USD	83 026 840,86
591USD5844	C/Cp AUSIMONT INDUST (US)-USD	10 157 444,93
591CAD2232	C/C SOLVAY SA TREAS SCO-CAD	4 469 443,64
591MXN2232	C/C SOLVAY SA TREAS SCO-MXN	3 607 231,95
591USD7030	C/Cp PINEY RIVER RECOVERY (US)-USD	448 243,53
591CHF2232	C/C SOLVAY SA TREAS SCO-CHF	65 281,37
591JPY2232	C/C SOLVAY SA TREAS SCO-JPY	57 676,29
591GBP2232	C/C SOLVAY SA TREAS SCO-GBP	19 720,52
591SGD2232	C/C SOLVAY SA TREAS SCO-SGD	1 604,03
591BGN2232	C/C SOLVAY SA TREAS SCO-BGN	4,67
591CAD7752	C/Cp CYTEC CANADA (CA)-CAD	-2 539,49
591EUR2232	C/Cp SOLVAY CICC Finance-EUR	-21 656 141,48
591USD7031	C/Cp GARRET MOUNT INS CO-USD	-29 660 221,22
591USD7180	C/Cp CYTEC ENG MAT (US)-USD	-266 541 849,07
591USD7427	C/Cp Cytec Technology Corporation (US)-USD	-301 780 234,18
591USD6104	C/Cp RHODIA HOLDING-USD	-411 381 116,65
591USD7426	C/Cp Cytec Global Holdings Inc. (US)-USD	-433 866 999,43
		<b>809 501 926,81</b>

Now we are in good condition to copy paste the information to our control file.

Copy the "Lead Column" to the appropriate column in tab 2)SAP SEP, and the amounts to "August":

IBA	CUR	TP
591USD7424	USD	7424
591USD2232	USD	2232
591USD4045	USD	4045
591USD5782	USD	5782
591USD7008	USD	7008
591USD6402	USD	6402
591USD5844	USD	5844
591CAD2232	CAD	2232
591MXN2232	MXN	2232
591USD7030	USD	7030
591CHF2232	CHF	2232
591JPY2232	JPY	2232
591GBP2232	GBP	2232
591SGD2232	SGD	2232
591BGN2232	BGN	2232
591CAD7752	CAD	7752
591EUR2232	EUR	2232
591USD7031	USD	7031
591USD7180	USD	7180
591USD7427	USD	7427
591USD6104	USD	6104
591USD7426	USD	7426

Please do not delete the columns "IBA", "CUR" & "TP". These columns have formulas:

IBA	CUR	TP
591USD7424	USD	7424
591USD2232	USD	2232
591USD4045	USD	4045
591USD5782	USD	5782
591USD7008	USD	7008
591USD6402	USD	6402
591USD5844	USD	5844
591CAD2232	CAD	2232
591MXN2232	MXN	2232
591USD7030	USD	7030
591CHF2232	CHF	2232
591JPY2232	JPY	2232
591GBP2232	GBP	2232
591SGD2232	SGD	2232
591BGN2232	BGN	2232
591CAD7752	CAD	7752
591EUR2232	EUR	2232
591USD7031	USD	7031
591USD7180	USD	7180
591USD7427	USD	7427
591USD6104	USD	6104
591USD7426	USD	7426

Please sort the information from biggest to smallest.

Final result:

Lead column		IBA	CUR	TP	July
591USD4045	C/Cp Solvay North America, LLC (US)-USD	591USD4045	USD	4045	1 281 400 875,31
591USD5854	C/C SOLVAY FINANCE (IE)-USD	591USD5854	USD	5854	593 279 948,30
591USD6104	C/Cp RHODIA HOLDING-USD	591USD6104	USD	6104	157 661 805,50
591USD7180	C/Cp CYTEC ENG MAT (US)-USD	591USD7180	USD	7180	41 470 602,06
591USD6028	C/Cp ROCKY MOUNTAIN COAL (US)-USD	591USD6028	USD	6028	12 240 061,79
591USD5718	C/Cp SOLVAY AMERICA HOLDINGS, INC -USD	591USD5718	USD	5718	9 184 300,18
591USD5844	C/Cp AUSMONT INDUST (US)-USD	591USD5844	USD	5844	7 651 066,92
591USD4291	C/Cp SOLVAY SODA ASH JV (US)-USD	591USD4291	USD	4291	6 922 405,23
591CAD0231	C/C SOLVAY CICC Finance-CAD	591CAD0231	CAD	0231	6 046 326,86
591USD7237	C/Cp Cytec Industrial Materials (OK)-USD	591USD7237	USD	7237	3 589 897,68
591USD7246	C/Cp Cytec Processl Materials (CA) Inc -USD	591USD7246	USD	7246	3 061 261,07
591MXN0231	C/C SOLVAY CICC Finance-MXN	591MXN0231	MXN	0231	2 338 458,53
591USD7030	C/Cp PINEY RIVER RECOVERY (US)-USD	591USD7030	USD	7030	371 372,14
591CHF0231	C/C SOLVAY CICC Finance-CHF	591CHF0231	CHF	0231	52 695,99
591GBP0231	C/C SOLVAY CICC Finance-GBP	591GBP0231	GBP	0231	19 311,55
591SGD0231	C/C SOLVAY CICC Finance-SGD	591SGD0231	SGD	0231	1 520,05
591USD7031	C/Cp GARRET MOUNT INS CO-USD	591USD7031	USD	7031	293,32
591EUR3384	C/C SOLVAY FLUORIDES-EUR	591EUR3384	EUR	3384	- 7,04
591CAD7752	C/Cp CYTEC CANADA (CA)-CAD	591CAD7752	CAD	7752	- 535,38
591BGN0231	C/C SOLVAY CICC Finance-BGN	591BGN0231	BGN	0231	- 1 593,83
591AED0231	C/C SOLVAY CICC Finance-AED	591AED0231	AED	0231	- 2 197,01
591CAD4290	C/C SOLVAY CHEMCALS (US)-CAD	591CAD4290	CAD	4290	- 6 024,79
591JPY0231	C/C SOLVAY CICC Finance-JPY	591JPY0231	JPY	0231	- 310 792,47
591USD5650	C/Cp SODA ASH EXPANSION-USD	591USD5650	USD	5650	- 900 000,00
591USD7426	C/Cp Cytec Global Holdings Inc (US)-USD	591USD7426	USD	7426	- 2 670 289,94
591CAD7651	C/Cp Rhodia Canada (CA)-CAD	591CAD7651	CAD	7651	- 3 363 131,13
591EUR0231	C/Cp SOLVAY CICC Finance-EUR	591EUR0231	EUR	0231	- 6 889 413,40
591USD7185	C/Cp CYTEC CARBON FIBERS-USD	591USD7185	USD	7185	- 12 906 486,05
591USD3384	C/Cp SOLVAY FLUORIDES-USD	591USD3384	USD	3384	- 16 266 209,70
591USD7427	C/Cp Cytec Technology Corporation (US)-USD	591USD7427	USD	7427	- 40 961 724,43
591USD7008	C/Cp Cytec Industries Inc (US)-USD	591USD7008	USD	7008	- 161 917 279,65
591USD5782	C/Cp SOLVAY ADVANCE POLYMERS (US)-USD	591USD5782	USD	5782	- 180 908 614,31
591USD7424	C/Cp Rhodia (US)-USD	591USD7424	USD	7424	- 456 006 210,68
591USD4290	C/Cp SOLVAY CHEMCALS (US)-USD	591USD4290	USD	4290	-1 094 780 266,19

### 3.1.2. YEARS (JOURS DEVISES)

IBA	PIVOT INTR	INTR	SAP JUL	<b>YEARS</b>	Value Date	591USD7180	591USD5782
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Add the file from Hatem to which have the information the number of days in a year (360/365)

This information is retrieved from treso team. Contact the Treasury Accounting members for more detail.

Currency	Description of the interest indicator	
AED	Int.on acc360	360
ARS	Int.on acc360	360
BGN	Int.on acc360	360
BHD	Int.on acc360	360
BRL	Int.on acc360	360

This information is very useful because it will allow us to equalize the yearly rates to day rates according to the type of currency.

### 3.1.3. INTR

IBA / PIVOT INTR **INTR** / SAP JUL / YEARS / Value Date 591USD7180 / 591USD5782

Go to FS10N – And put P&L accounts 6500030000 & 7510030000

G/L account	6500030000
Company code	4044
Fiscal year	2025
Business area	

Multiple Selection for G/L account

O.. Single value	
<input type="checkbox"/>	6500030000
<input type="checkbox"/>	7510030000

Double click on the balance of the current month

Account number	*			
Company code	4044	SYENSQO FINANCE (US)		
Business area	9990	COMMON		
Fiscal year	2025			
All documents in currency	*	Display currency	USD	

Period	Debit	Credit	Balance	Cumulative balance
Balance Carry..				
1	6.286.043,56	11.026.305,13	4.740.261,57-	4.740.261,57-
2	6.986.900,04	10.666.295,73	3.679.395,69-	8.419.657,26-
3	8.984.873,23	12.848.321,64	3.863.448,41-	12.283.105,67-
4	10.751.627,74	16.049.582,27	5.297.954,53-	17.581.060,20-
5	9.967.698,22	14.628.188,87	4.660.490,65-	22.241.550,85-
6	7.555.640,95	11.762.972,02	4.207.331,07-	26.448.881,92-
7	8.691.009,60	12.441.130,80	3.750.121,20-	30.199.003,12-
8	9.108.427,21	13.043.507,51	3.935.080,30-	34.134.083,42-
9	9.355.789,14	13.145.005,98	3.789.216,84-	37.923.300,26-

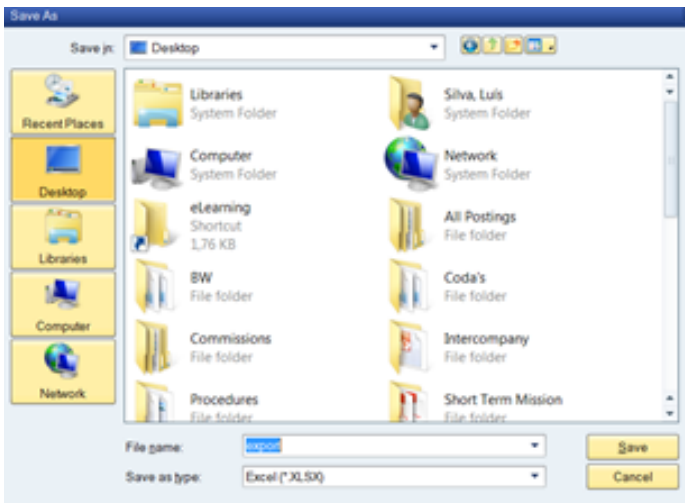
- filter by D3 postings = Interest on IBA calculated and booked in SAP
- or filter by Text "01MMYYYY-31MMYYYY"
- FYI - each posting contains the Interest scale in attachment with details that the system calculates the Interest, when and how much booked, which % is used

Export the information to Excel:

"List" – "Export" – "Spreadsheet":

Itc	CoCd	Assignment	Account	Offset.acct	DocumentNo	Type	PK	Doc. Date	Trng Date	Entry Date	Value Date	Amount in DC	Curr.	Amt in loc.cur.
4044		7651/INTB 20180731	6500030000	2720100000	4410002569	D3	40	31.07.2018	31.07.2018	31.07.2018		4.917,05	CAD	3.771,38
4044		3384/INTB 20180731	6500030000	2720100000	4410002570	D3	40	31.07.2018	31.07.2018	31.07.2018		34.855,76	USD	34.855,76
4044		4290/INTB 20180731	6500030000	2720100000	4410002572	D3	40	31.07.2018	31.07.2018	31.07.2018		1.871.372,92	USD	1.871.372,92
4044		5650/INTB 20180731	6500030000	2720100000	4410002574	D3	40	31.07.2018	31.07.2018	31.07.2018		1.509,07	USD	1.509,07
4044		5782/INTB 20180731	6500030000	2720100000	4410002576	D3	40	31.07.2018	31.07.2018	31.07.2018		422.250,31	USD	422.250,31
4044		7008/INTB 20180731	6500030000	2720100000	4410002580	D3	40	31.07.2018	31.07.2018	31.07.2018		306.000,64	USD	306.000,64
4044		7185/INTB 20180731	6500030000	2720100000	4410002584	D3	40	31.07.2018	31.07.2018	31.07.2018		15.260,34	USD	15.260,34
4044		7424/INTB 20180731	6500030000	2720100000	4410002587	D3	40	31.07.2018	31.07.2018	31.07.2018		849.573,16	USD	849.573,16
4044		7426/INTB 20180731	6500030000	2720100000	4410002588	D3	40	31.07.2018	31.07.2018	31.07.2018		4.471,05	USD	4.471,05
4044		7427/INTB 20180731	6500030000	2720100000	4410002589	D3	40	31.07.2018	31.07.2018	31.07.2018		70.273,01	USD	70.273,01
4044		4045/INTA 20180731	7510030000	2710100000	4410002571	D3	50	31.07.2018	31.07.2018	31.07.2018		3.459.091,09	USD	3.459.091,09
4044		4291/INTA 20180731	7510030000	2710100000	4410002573	D3	50	31.07.2018	31.07.2018	31.07.2018		8.245,70	USD	8.245,70
4044		5718/INTA 20180731	7510030000	2710100000	4410002575	D3	50	31.07.2018	31.07.2018	31.07.2018		24.590,46	USD	24.590,46
4044		5844/INTA 20180731	7510030000	2710100000	4410002577	D3	50	31.07.2018	31.07.2018	31.07.2018		20.450,04	USD	20.450,04
4044		6028/INTA 20180731	7510030000	2710100000	4410002578	D3	50	31.07.2018	31.07.2018	31.07.2018		32.709,60	USD	32.709,60
4044		6104/INTA 20180731	7510030000	2710100000	4410002579	D3	50	31.07.2018	31.07.2018	31.07.2018		419.439,92	USD	419.439,92
4044		7030/INTA 20180731	7510030000	2710100000	4410002581	D3	50	31.07.2018	31.07.2018	31.07.2018		956,08	USD	956,08
4044		7031/INTA 20180731	7510030000	2710100000	4410002582	D3	50	31.07.2018	31.07.2018	31.07.2018		0,78	USD	0,78
4044		7180/INTA 20180731	7510030000	2710100000	4410002583	D3	50	31.07.2018	31.07.2018	31.07.2018		89.744,65	USD	89.744,65
4044		7237/INTA 20180731	7510030000	2710100000	4410002585	D3	50	31.07.2018	31.07.2018	31.07.2018		9.067,35	USD	9.067,35
4044		7246/INTA 20180731	7510030000	2710100000	4410002586	D3	50	31.07.2018	31.07.2018	31.07.2018		8.059,52	USD	8.059,52
**												4.917,05	CAD	493.017,55
**												496.788,93	USD	

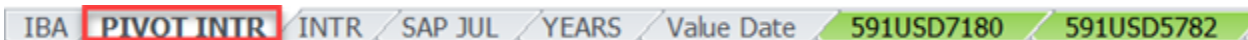
Save as an excel



And copy paste it to our tab in the control file.

### 3.1.4. PIVOT INTR

#### 3.1.4.1. Create pivot table



We will first create a Pivot table using the information in Tab "INTR".

We need to sort the information by Trading Partner / Currency / Amount in Document Currency / Amount in Local Currency (EUR)

Trading Partner	Document currency	Values	
		Sum of Amount in doc. curr.	Sum of Amount in local currency
3384	USD	34.855,76	34.855,76
4045	USD	- 3.459.091,09	3.459.091,09
4290	USD	1.871.372,92	1.871.372,92
4291	USD	- 8.245,70	8.245,70
5650	USD	1.509,07	1.509,07
5718	USD	- 24.590,46	24.590,46
5782	USD	422.250,31	422.250,31
5844	USD	- 20.450,04	20.450,04
6028	USD	- 32.709,60	32.709,60
6104	USD	- 419.439,92	419.439,92
7008	USD	306.000,64	306.000,64
7030	USD	- 956,08	956,08
7031	USD	- 0,78	0,78
7180	USD	- 89.744,65	89.744,65
7185	USD	15.260,34	15.260,34
7237	USD	- 9.067,35	9.067,35
7246	USD	- 8.059,52	8.059,52
7424	USD	849.573,16	849.573,16
7426	USD	4.471,05	4.471,05
7427	USD	70.273,01	70.273,01
7651	CAD	4.917,05	3.771,38
<b>Grand Total</b>		<b>- 491.871,88</b>	<b>- 493.017,55</b>

Please note that the sum in Local Currency has to be the same as our extraction in tab "INTR" and the SAP selection.

Next, copy paste (values) the table above to new columns and:

- Sort the amount in Local Currency (EUR) from biggest to smallest;
- We need to hide all amounts that are smaller than 30K and higher than -30K

Tr.Prt	Curr.	Sum of Amount in doc. curr.	Sum of Amount in local cur.
4290	USD	1.871.372,92	1.871.372,92
7424	USD	849.573,16	849.573,16
5782	USD	422.250,31	422.250,31
7008	USD	306.000,64	306.000,64
7427	USD	70.273,01	70.273,01
3384	USD	34.855,76	34.855,76
7185	USD	15.260,34	15.260,34
7426	USD	4.471,05	4.471,05
7651	CAD	4.917,05	3.771,38
5650	USD	1.509,07	1.509,07
7031	USD	- 0,78	- 0,78
7030	USD	- 956,08	- 956,08
7246	USD	- 8.059,52	- 8.059,52
4291	USD	- 8.245,70	- 8.245,70
7237	USD	- 9.067,35	- 9.067,35
5844	USD	- 20.450,04	- 20.450,04
5718	USD	- 24.590,46	- 24.590,46
6028	USD	- 32.709,60	- 32.709,60
7180	USD	- 89.744,65	- 89.744,65
6104	USD	- 419.439,92	- 419.439,92
4045	USD	- 3.459.091,09	- 3.459.091,09

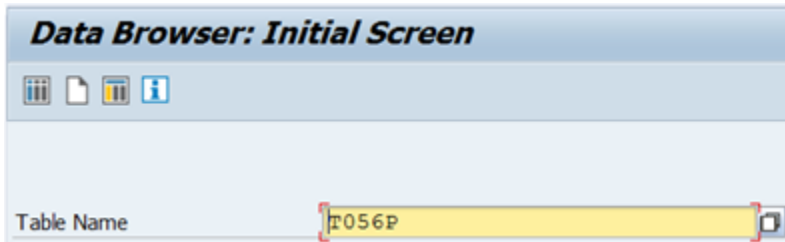
And Hide:

Tr.Prt	Curr.	Sum of Amount in doc. curr.	Sum of Amount in local cur.
4290	USD	1.871.372,92	1.871.372,92
7424	USD	849.573,16	849.573,16
5782	USD	422.250,31	422.250,31
7008	USD	306.000,64	306.000,64
7427	USD	70.273,01	70.273,01
3384	USD	34.855,76	34.855,76
6028	USD	32.709,60	32.709,60
7180	USD	89.744,65	89.744,65
6104	USD	419.439,92	419.439,92
4045	USD	3.459.091,09	3.459.091,09

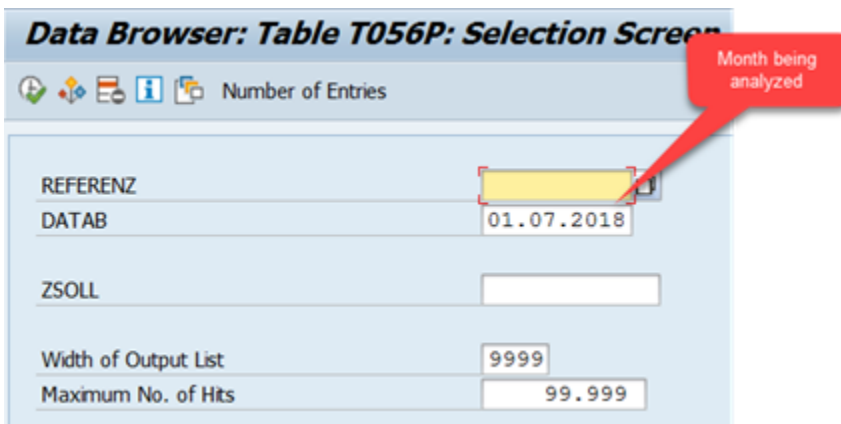
These affiliates and currency are the ones that we need to analyze in tab "IBA".

### 3.1.4.2. Interest Rates

Go to transaction SE16 and select table T056P



Press Enter



A Similar screen will appear:

Table: T056P  
 Displayed Fields: 4 of 4 Fixed Columns

MANDT	REFERENZ	DATAB	ZSOLL
<input type="checkbox"/> 020	EUR_AVG_E	79819298	0,1597455-
<input type="checkbox"/> 020	EUR_AVG_W	79819298	0,4170455-
<input type="checkbox"/> 020	M_AED007D	79819298	1,8930455
<input type="checkbox"/> 020	M_AEDEG01D	79819298	2,1503455
<input type="checkbox"/> 020	M_AEDEG02D	79819298	2,9630455

To get the interests of a currency we have to follow the rule:

- Interest indicator for CREDIT = M."CURRENCY"G05C
- Interest indicator for DEBIT = M."CURRENCY"EG02D

Let's put the example for 4044:

Tra	Dc	Sum of Amount in doc. cur	Sum of Amount in local cur
7426	USD	1 560 432,06	1 560 432,06

020	M.USDG02C	79758798	4,4592500
-----	-----------	----------	-----------

020	M.USDEG02D	79758798	6,3405500
-----	------------	----------	-----------

Tra	Dc	Sum of Amount in doc. cur	Sum of Amount in local cur	DEBIT	CREDIT
7426	USD	1 560 432,06	1 560 432,06	6,3405500	4,4592500

### 3.1.5. IBA

<b>IBA</b>	PIVOT INTR	INTR	SAP JUL	YEARS	Value Date	591USD7180	591USD5782
------------	------------	------	---------	-------	------------	------------	------------

First you need to copy paste all information from tab "SAP JUL" to the first 4 columns:

				SAP Balance
				USD
IBA	CL	TP		JUNE
591USD4045	USD	4045		1.281.400.875,31
591USD9994	USD	9994		993.279.948,06
591USD4104	USD	4104		827.641.805,56
591USD7180	USD	7180		-41.470.602,06
591USD6028	USD	6028		12.248.061,79
591USD5718	USD	5718		9.994.200,18
591USD9844	USD	9844		7.691.866,92
591USD4291	USD	4291		6.922.405,23
591CAD6021	CAD	6021		4.646.326,66
591USD7237	USD	7237		3.589.897,68
591USD7046	USD	7046		3.061.261,07
591-0-94521	USD	9231		2.338.458,53
591USD7030	USD	7030		371.372,14
591CHF9021	CHF	9021		52.695,99
591GBP9021	GBP	9021		9.311,55
591SGD0021	SGD	0021		1.520,05
591USD7021	USD	7021		290,32
591EUR3084	EUR	3084		-7,04
591CAD7752	CAD	7752		-535,38
591BGN4021	BGN	4021		-1.593,63
591AUD0021	AUD	0021		-2.197,09
591CAD4290	CAD	4290		-4.524,79
591JPY0231	JPY	0231		-380.792,67
591USD9990	USD	9990		-909.900,00
591USD7426	USD	7426		-2.670.289,94
591CAD7891	CAD	7891		-3.063.331,33
591EUR6021	EUR	6021		-6.889.473,40
591USD7195	USD	7195		-12.936.496,05
591USD3084	USD	3084		-16.264.209,70
591USD7427	USD	7427		-40.961.724,43
591USD7008	USD	7008		-40.917.279,65
591USD5762	USD	5762		-500.909.674,31
591USD7424	USD	7424		-496.006.270,68
591USD4290	USD	4290		-1.094.700.266,19

Next go to transaction Z3F\_BALANCE\_VAL\_DATE and fill the items accordingly:

Selection criteria

Company Code: 4044

G/L Account: 591USD4045

Value Date: 31.07.2018

Options

Include pooled

Execute

A similar screen will appear:

CoCo...	G/L Account	P...	Curren...	Value date balance	Open items balance
4044	591AED0231		AED	8.070,00-	8.070,00-
4044	591BGN0231		BGN	7,78	2.656,36-
4044	591CAD0231		CAD	4.907.192,91	7.883.074,78
4044	591CAD4290		CAD	7.855,00-	7.855,00-
4044	591CAD7651		CAD	4.384.780,18-	4.384.780,18-
4044	591CAD7752		CAD	690,05-	690,05-
4044	591CHF0231		CHF	52.053,88	52.053,88
4044	591EUR0231		EUR	6.671.149,12-	5.870.575,09-
4044	591EUR3384		EUR	6,00-	6,00-

We then need to extract all the information to our control file:

IBA	PIVOT INTR	INTR	SAP JUL	YEARS	Value Date	591USD7180	591USD5782
-----	------------	------	---------	-------	------------	------------	------------

Afterwards, the fields "value date balance" & "open items balance" in the control tab "IBA" will be automatically fill, since the cells have a *VLOOKUP* formula.

G7 = +=VLOOKUP(IBAIB7;'Value Date'!\$B\$2:\$F\$50;4;0)

	A	B	C	D	E	F	G	H
1								
2								
3					SAP Balance		SAP VALUE DATE	SAP VALUE DATE
4					USD		CUR	CUR
5	IBA	CU	TP	August		Value date Balance	Open items Balance	
6	591USD4045	USD	4045		1 380 271 662	591USD4045	1 375 558 609	1 380 271 662
7	591USD7424	USD	7424		612 669 632	591USD7424	563 323 781	612 669 632
8	591USD5854	USD	5854		401 409 861	#N/A	426 728 138	401 409 861
9	591USD6104	USD	6104		330 486 571	591USD6104	330 330 698	330 486 571

Next copy paste from tab "PIVOT INTR" the table made with the interest rates to tab "IBA":

Tr.Prt	Curr.	Sum of Amount in doc. curr.	Sum of Amount in local cur.	DEBIT	CREDIT
4290	USD	1871.372,92	1.871.372,92		3,1188636
7424	USD	849.573,16	849.573,16		3,1188636
5782	USD	422.250,31	422.250,31		3,1188636
7008	USD	306.000,64	306.000,64		3,1188636
7427	USD	70.273,01	70.273,01		3,1188636
3384	USD	34.855,76	34.855,76		3,1188636
6028	USD -	32.709,60	- 32.709,60		3,1188636
7180	USD -	89.744,65	- 89.744,65		3,1188636
6104	USD -	419.439,92	- 419.439,92		3,1188636
4045	USD -	3.459.091,09	- 3.459.091,09		3,1188636

The purpose now is to filter my table with only these IBA's. We just need to check if the selection is correct because these cells also have formulas.

			SAP Balance			SAP VALUE DATE	SAP VALUE DATE
			USD			CUR	CUR
IBA	CU	TP	JUNE			Value date Balance	Open items Balance
591USD4045	USD	4045	1.281.400.875,31			1.280.427.543,01	1.281.400.875,31
591USD6104	USD	6104	157.661.805,50			157.667.880,87	157.661.805,50
591USD7180	USD	7180	41.470.602,06			41.560.345,71	41.470.602,06
591USD6028	USD	6028	12.240.061,79			12.272.771,39	12.240.061,79
591USD3384	USD	3384	-16.266.209,70			-21.163.154,23	-16.266.209,70
591USD7427	USD	7427	-40.961.724,43			-41.031.997,44	-40.961.724,43
591USD7008	USD	7008	-161.917.279,65			-182.770.118,87	-161.917.279,65
591USD5782	USD	5782	-180.908.614,31			- 234.265.206,40	-180.908.614,31
591USD7424	USD	7424	-456.006.210,68			-502.193.843,10	-456.006.210,68
591USD4290	USD	4290	-1.094.780.266,19			-1.109.156.233,73	-1.094.780.266,19

If the IBA is not in the yellow cells, it will appear #N/A.

fx =+VLOOKUP(B8;\$B\$49:\$C\$52;1;0)

B	C	D	E	F	G	H	
			SAP Balance			SAP VALUE DATE	SAP VALUE DATE
			USD			CUR	CUR
IBA	CU	TP	August			Value date Balance	Open items Balance
591USD4045	USD	4045	1 380 271 662	591USD4045		1 375 558 609	1 380 271 662
591USD7424	USD	7424	612 669 632	591USD7424		563 323 781	612 669 632
591USD5854	USD	5854	401 409 861	#N/A		426 728 138	401 409 861
591USD6104	USD	6104	330 486 571	591USD6104		330 330 698	330 486 571
591USD4290	USD	4290	-1 314 434 011	591USD4290		- 1 323 463 664	- 1 314 434 011
				BEFORE			
			<b>Tradir Docum</b>	<b>Sum of Amount in d</b>	<b>Sum of Amount in local c</b>	<b>DEBIT</b>	<b>CREDIT</b>
591USD4290	4290	USD	-	57 825,62	57 825,62	0,7210636	0,0513636
591USD6104	6104	USD	-	208 260,12	208 260,12	0,7210636	0,0513636
591USD7424	7424	USD	-	376 136,52	376 136,52	0,7210636	0,0513636
591USD4045	4045	USD	-	856 520,58	856 520,58	0,7210636	0,0513636

Now we need to fill the columns "YEAR", "DAYS", "RATE" & "INTEREST IN SAP" accordingly:

YE	DA	RATE	INTEREST C	INTEREST IN SAP	diff in Cl
360	31	3,11886	-3.438.829,02	-3.459.091,09	20.262,07
360	31	3,11886	-423.446,75	-419.439,92	-4.006,83
360	30	3,11886	-111.618,13	-89.744,65	-21.873,48
360	30	3,11886		-32.709,60	-251,24
360	30	3,11886		34.855,76	659,99
360	30	3,11886		70.273,01	-1.413,60
360	30	3,11886		306.000,64	722,00
360	30	3,11886		422.250,31	-29.109,23
360	30	3,11886		849.573,16	-6.797,43
360	31	1,94886	1.871.372,92	1.871.372,92	-10.000,13

And finally:

Diff %
-0,59% ok
0,96% ok
24,37%
0,77% ok
1,89% ok
-2,01% ok
0,24% ok
-6,89%
-0,80% ok
-0,53% ok

The column with the difference in percentage. Here we need to investigate the calculation for a difference higher than 5%. For July we need to investigate 2 calculations.

Final result for tab "IBA":



Account number	*		
Company code	2232	SYENSQO SA TREASURY	
Business area	9990	COMMON	
Fiscal year	2024		
All documents in currency	*	Display currency	EUR

Period	Debit	Credit	Balance	Cumulative balance
Balance Carryf...				
1	10.159.245,85	7.119.239,63	3.040.006,22	3.040.006,22
2	9.232.285,44	6.398.144,85	2.834.140,59	5.874.146,81
3	9.002.699,07	5.748.497,43	3.254.201,64	9.128.348,45
4	9.256.794,51	6.543.544,99	2.713.249,52	11.841.597,97
5	10.007.226,93	7.796.493,73	2.210.733,20	14.052.331,17
6	10.717.266,87	6.184.857,10	4.532.409,77	18.584.740,94
7	8.157.604,82	6.158.031,17	1.999.573,65	20.584.314,59
8	8.021.197,20	4.907.939,66	3.113.257,54	23.697.572,13
9	8.576.841,13	5.419.297,60	3.157.543,53	26.855.115,66
10	21.913.143,66	19.099.546,97	2.813.596,69	29.668.712,35
11	9.079.433,86	6.007.740,02	3.071.693,84	32.740.406,19

- filter by D3 postings = Interest on IBA calculated and booked in SAP
- or filter by Text "01MMYYYY-31MMYYYY"
- FYI - each posting contains the interest scale in attachment with details that the system calculates the interest, when and how much booked, which % is used

Export the information to Excel:

"List" – "Export" – "Spreadsheet"

Stat	CoCd	Account	TTY	Offst.acct	Assignment	DocumentNo	Type	Doc. Date	Postng Date	Value Date	Tr.Prt	PK	Amount in DC	Curr.	Amt in loc.cur.	LCurr	Clrng doc.	Clearing	Text
✓	2232	6500030000		2720100000	7786/INTS 2024.	4410001586	D3	30.11.2024	30.11.2024	7786	40		75.864,42	AUD	46.694,42	EUR			011120
✓	2232	6500030000		2720100000	7786/INTS 2024.	4410001587	D3	30.11.2024	30.11.2024	7786	40		23,21	USD	21,97	EUR			011120
✓	2232	6500030000		2720100000	0003/INTS 2024.	4410001588	D3	30.11.2024	30.11.2024	3	40		592.269,86	EUR	592.269,86	EUR			011120
✓	2232	6500030000		2720100000	5978/INTS 2024.	4410001590	D3	30.11.2024	30.11.2024	5978	40		105.125,13	EUR	105.125,13	EUR			011120
✓	2232	6500030000		2720100000	5978/INTS 2024.	4410001591	D3	30.11.2024	30.11.2024	5978	40		12,55	USD	11,88	EUR			011120
✓	2232	6500030000		2720100000	7752/INTS 2024.	4410001592	D3	30.11.2024	30.11.2024	7752	40		147.755,85	CAD	99.814,80	EUR			011120
✓	2232	6500030000		2720100000	7752/INTS 2024.	4410001593	D3	30.11.2024	30.11.2024	7752	40		0,02	USD	0,02	EUR			011120
✓	2232	6500030000		2720100000	6232/INTS 2024.	4410001594	D3	30.11.2024	30.11.2024	6232	40		89.383,53	CZK	3.539,24	EUR			011120
✓	2232	6500030000		2720100000	6232/INTS 2024.	4410001595	D3	30.11.2024	30.11.2024	6232	40		0,98	EUR	0,98	EUR			011120
✓	2232	6500030000		2720100000	3919/INTS 2024.	4410001596	D3	30.11.2024	30.11.2024	3919	40		71.189,32	EUR	71.189,32	EUR			011120
✓	2232	6500030000		2720100000	3919/INTS 2024.	4410001599	D3	30.11.2024	30.11.2024	3919	40		56,93	USD	53,89	EUR			011120
✓	2232	6500030000		2720100000	3944/INTS 2024.	4410001599	D3	30.11.2024	30.11.2024	3944	40		51.871,59	EUR	51.871,59	EUR			011120
✓	2232	6500030000		2720100000	3972/INTS 2024.	4410001601	D3	30.11.2024	30.11.2024	3972	40		349.318,95	EUR	349.318,95	EUR			011120
✓	2232	6500030000		2720100000	5834/INTS 2024.	4410001603	D3	30.11.2024	30.11.2024	5834	40		145,08	EUR	145,08	EUR			011120
✓	2232	6500030000		2720100000	6080/INTS 2024.	4410001605	D3	30.11.2024	30.11.2024	6080	40		150.859,65	EUR	150.859,65	EUR			011120
✓	2232	6500030000		2720100000	6080/INTS 2024.	4410001606	D3	30.11.2024	30.11.2024	6080	40		6,42	USD	6,08	EUR			011120
✓	2232	6500030000		2720100000	6422/INTS 2024.	4410001608	D3	30.11.2024	30.11.2024	6422	40		30.311,50	GBP	36.434,28	EUR			011120
✓	2232	6500030000		2720100000	5642/INTS 2024.	4410001609	D3	30.11.2024	30.11.2024	5642	40		43.877,44	EUR	43.877,44	EUR			011120
✓	2232	6500030000		2720100000	6344/INTS 2024.	4410001610	D3	30.11.2024	30.11.2024	6344	40		2.467,07	EUR	2.467,07	EUR			011120
✓	2232	6500030000		2720100000	7772/INTS 2024.	4410001611	D3	30.11.2024	30.11.2024	7772	40		69.663,49	EUR	69.663,49	EUR			011120
✓	2232	6500030000		2720100000	5835/INTS 2024.	4410001613	D3	30.11.2024	30.11.2024	5835	40		274.623,85	EUR	274.623,85	EUR			011120
✓	2232	6500030000		2720100000	8090/INTS 2024.	4410001618	D3	30.11.2024	30.11.2024	8090	40		163.648,03	EUR	163.648,03	EUR			011120
✓	2232	6500030000		2720100000	8090/INTS 2024.	4410001616	D3	30.11.2024	30.11.2024	8090	40		0,02	USD	0,02	EUR			011120
✓	2232	6500030000		2720100000	5846/INTS 2024.	4410001617	D3	30.11.2024	30.11.2024	5846	40		22.216	JPY	140,04	EUR			011120
✓	2232	6500030000		2720100000	7418/INTS 2024.	4410001618	D3	30.11.2024	30.11.2024	7418	40		12.591	JPY	79,37	EUR			011120
✓	2232	6500030000		2720100000	7621/INTS 2024.	4410001619	D3	30.11.2024	30.11.2024	7621	40		4.845	JPY	30,54	EUR			011120
✓	2232	6500030000		2720100000	4233/INTS 2024.	4410001620	D3	30.11.2024	30.11.2024	4233	40		22.725,60	EUR	22.725,60	EUR			011120
✓	2232	6500030000		2720100000	6044/INTS 2024.	4410001623	D3	30.11.2024	30.11.2024	6044	40		108.282,45	EUR	108.282,45	EUR			011120
✓	2232	6500030000		2720100000	6294/INTS 2024.	4410001623	D3	30.11.2024	30.11.2024	6294	40		4.004,24	EUR	4.004,24	EUR			011120
✓	2232	6500030000		2720100000	6294/INTS 2024.	4410001624	D3	30.11.2024	30.11.2024	6294	40		832.865,36	USD	788.362,31	EUR			011120
✓	2232	6500030000		2720100000	7723/INTS 2024.	4410001626	D3	30.11.2024	30.11.2024	7723	40		5.272.017,12	MXN	244.760,99	EUR			011120
✓	2232	6500030000		2720100000	6301/INTS 2024.	4410001628	D3	30.11.2024	30.11.2024	6301	40		41.548,96	EUR	41.548,96	EUR			011120
✓	2232	6500030000		2720100000	7794/INTS 2024.	4410001629	D3	30.11.2024	30.11.2024	7794	40		72.009,38	EUR	72.009,38	EUR			011120
✓	2232	6500030000		2720100000	7794/INTS 2024.	4410001632	D3	30.11.2024	30.11.2024	7794	40		413,99	USD	391,87	EUR			011120
✓	2232	6500030000		2720100000	6975/INTS 2024.	4410001633	D3	30.11.2024	30.11.2024	6975	40		401,25	NZD	224,41	EUR			011120

Company Code	Account	Transaction Type	Offsetting acct no.	Assignment	Document Number	Document Type	Document Date	Posting Date	Value Date	Trading Partner	Posting Key	Amount in doc. curr.	Document currency	Amount currency
2232	6500030000		2720100000	7786/INTS 20241130	4410001586	D3	30/11/2024	30/11/2024		7786	40	75 864,42 AUD		46
2232	6500030000		2720100000	7786/INTS 20241130	4410001587	D3	30/11/2024	30/11/2024		7786	40	23,21 USD		
2232	6500030000		2720100000	0003/INTS 20241130	4410001588	D3	30/11/2024	30/11/2024		3	40	592 269,86 EUR		592
2232	6500030000		2720100000	5978/INTS 20241130	4410001590	D3	30/11/2024	30/11/2024		5978	40	105 125,13 EUR		105
2232	6500030000		2720100000	5978/INTS 20241130	4410001591	D3	30/11/2024	30/11/2024		5978	40	12,55 USD		
2232	6500030000		2720100000	7752/INTS 20241130	4410001592	D3	30/11/2024	30/11/2024		7752	40	147 755,85 CAD		95
2232	6500030000		2720100000	7752/INTS 20241130	4410001593	D3	30/11/2024	30/11/2024		7752	40	0,02 USD		
2232	6500030000		2720100000	6232/INTS 20241130	4410001594	D3	30/11/2024	30/11/2024		6232	40	89 383,53 CZK		3
2232	6500030000		2720100000	6232/INTS 20241130	4410001595	D3	30/11/2024	30/11/2024		6232	40	0,98 EUR		
2232	6500030000		2720100000	3919/INTS 20241130	4410001596	D3	30/11/2024	30/11/2024		3919	40	71 189,32 EUR		71
2232	6500030000		2720100000	3919/INTS 20241130	4410001598	D3	30/11/2024	30/11/2024		3919	40	56,93 USD		
2232	6500030000		2720100000	3944/INTS 20241130	4410001599	D3	30/11/2024	30/11/2024		3944	40	51 871,59 EUR		51
2232	6500030000		2720100000	3972/INTS 20241130	4410001601	D3	30/11/2024	30/11/2024		3972	40	349 318,95 EUR		349
2232	6500030000		2720100000	5834/INTS 20241130	4410001603	D3	30/11/2024	30/11/2024		5834	40	145,08 EUR		
2232	6500030000		2720100000	6080/INTS 20241130	4410001605	D3	30/11/2024	30/11/2024		6080	40	150 859,65 EUR		150
2232	6500030000		2720100000	6080/INTS 20241130	4410001606	D3	30/11/2024	30/11/2024		6080	40	6,42 USD		
2232	6500030000		2720100000	6422/INTS 20241130	4410001608	D3	30/11/2024	30/11/2024		6422	40	30 311,50 GBP		36
2232	6500030000		2720100000	5642/INTS 20241130	4410001609	D3	30/11/2024	30/11/2024		5642	40	43 877,44 EUR		43
2232	6500030000		2720100000	6344/INTS 20241130	4410001610	D3	30/11/2024	30/11/2024		6344	40	2 467,07 EUR		2
2232	6500030000		2720100000	7772/INTS 20241130	4410001611	D3	30/11/2024	30/11/2024		7772	40	69 563,49 EUR		69
2232	6500030000		2720100000	5835/INTS 20241130	4410001613	D3	30/11/2024	30/11/2024		5835	40	274 623,85 EUR		274
2232	6500030000		2720100000	8090/INTS 20241130	4410001615	D3	30/11/2024	30/11/2024		8090	40	163 648,03 EUR		163
2232	6500030000		2720100000	8090/INTS 20241130	4410001616	D3	30/11/2024	30/11/2024		8090	40	0,02 USD		
2232	6500030000		2720100000	5846/INTS 20241130	4410001617	D3	30/11/2024	30/11/2024		5846	40	22 216 JPY		
2232	6500030000		2720100000	7418/INTS 20241130	4410001618	D3	30/11/2024	30/11/2024		7418	40	12 551 JPY		
2232	6500030000		2720100000	7621/INTS 20241130	4410001619	D3	30/11/2024	30/11/2024		7621	40	4 845 JPY		
2232	6500030000		2720100000	4233/INTS 20241130	4410001620	D3	30/11/2024	30/11/2024		4233	40	22 725,60 EUR		22
2232	6500030000		2720100000	6044/INTS 20241130	4410001621	D3	30/11/2024	30/11/2024		6044	40	108 282,45 EUR		108
2232	6500030000		2720100000	6294/INTS 20241130	4410001623	D3	30/11/2024	30/11/2024		6294	40	4 004,24 EUR		4
2232	6500030000		2720100000	6294/INTS 20241130	4410001624	D3	30/11/2024	30/11/2024		6294	40	832 865,36 USD		786
2232	6500030000		2720100000	7723/INTS 20241130	4410001626	D3	30/11/2024	30/11/2024		7723	40	5 272 017,12 MXN		244

### 3.2.2. Pivot (first refresh)

Interests SAP	Interest rates	Value date balances	EOM rates	<b>Pivot</b>	Dashboard	Justification
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After we have the information from SAP, we need to refresh the pivot table in "Pivot" tab to retrieve the information of the IBA accounts with interests in the month.

Posting Period	Document currency	Affiliate	Value date Balance	INT Calculation	INT in P&L in Doc Cur	DIFF
8	BGN	3442	21 864 475,43	6 715,86	-6 714,89	
8	BGN	6062	0,07	0,00	-0,07	
8	CAD	4044	-5 181 730,67	-390,08	380,26	
8	CAD	4290	-0,56	0,00	0,13	
8	CAD	5854	-59 593 895,88	-7 016,94	6 629,50	
8	CAD	7424	-8 510,75	-0,64	0,64	
8	CZK	6232	-26 563 873,67	-13 194,40	12 640,87	
8	DKK	0005	140 008,84	9,44	-8,83	
8	EUR	0003	9 213 017,71	264,47	-264,84	
8	EUR	0005	5 113 409,91	146,79	-511,36	
8	EUR	0212	2 229 025,54	63,99	-45,94	
8	EUR	0360	16 130,58	0,46	-0,23	
8	EUR	0454	7 512 116,29	215,65	-246,87	
8	EUR	1420	3 415 334,24	98,04	-98,18	
8	EUR	3471	29 915 318,75	858,76	-621,72	
8	EUR	3972	177 371 690,36	5 091,69	-5 100,41	
8	EUR	4025	3 691 424,66	105,97	-110,13	
8	EUR	4044	17 866 384,32	17 187,85	-17 187,85	
8	EUR	5586	49 298 180,26	1 415,17	-1 408,79	
8	EUR	5782	1 581,31	0,05	-0,04	
8	EUR	5983	10 942 778,91	314,13	-287,54	

Further ahead, we will return to this Pivot tab to complete the analysis.

### 3.2.3. Interest rates

Interests SAP	<b>Interest rates</b>	Value date balances	EOM rates	Pivot	Dashboard	Justification
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First step is copy the information from Pivot tab highlighted above and past it in column A on the Interest Rates tab.

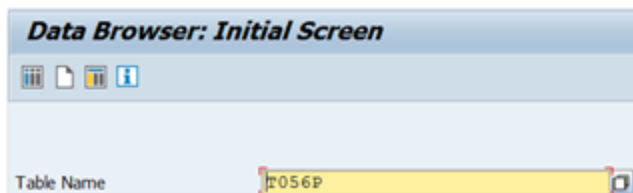
Update the period to analyze.

Column Code will be automatically fill.

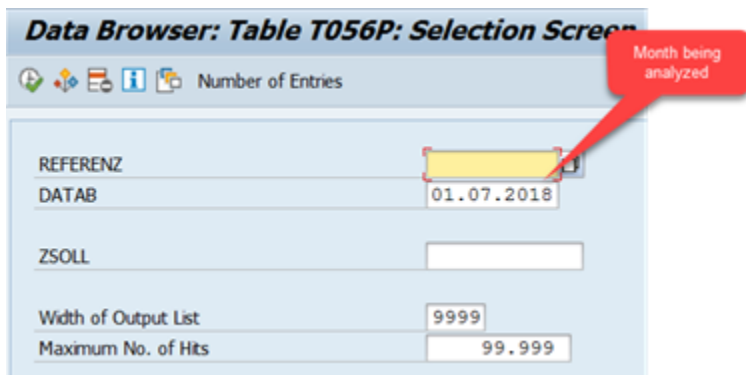
A	B	C	D	E	F
Currency	TP	Period	Code	Credit rate	Debit rate
BGN	3442	8	8BGN3442	-0,3130000	0,3567000
BGN	6062	8	8BGN6062	-0,3130000	0,3567000
CAD	4044	8	8CAD4044	0,0886364	0,7583364
CAD	4290	8	8CAD4290	0,0886364	0,7583364
CAD	5854	8	8CAD5854	0,1386364	0,7583364
CAD	7424	8	8CAD7424	0,0886364	0,7583364
CZK	6232	8	8CZK6232	0,5768182	1,2465182
DKK	0005	8	8DKK0005	-0,5913636	0,0783364
EUR	0003	8	8EUR0003	-0,6363636	0,0333364
EUR	0005	8	8EUR0005	-0,6363636	0,0333364
EUR	0212	8	8EUR0212	-0,6363636	0,0333364
EUR	0360	8	8EUR0360	-0,6363636	0,0333364
EUR	0454	8	8EUR0454	-0,6363636	0,0333364
EUR	1420	8	8EUR1420	-0,6363636	0,0333364
EUR	3471	8	8EUR3471	-0,6363636	0,0333364
EUR	3972	8	8EUR3972	-0,6363636	0,0333364
EUR	4025	8	8EUR4025	-0,6363636	0,0333364
EUR	4044	8	8EUR4044	-0,6363636	0,0333364
EUR	5586	8	8EUR5586	-0,6363636	0,0333364
EUR	5782	8	8EUR5782	-0,6363636	0,0333364
EUR	5983	8	8EUR5983	-0,6363636	0,0333364

To retrieve the interests rates for each currency:

Go to transaction SE16 and select table T056P



Press Enter



A Similar screen will appear:

MANDT	REFERENZ	DATAB	ZSOLL
020	EUR_AVG_E	79819298	0,1597455-
020	EUR_AVG_W	79819298	0,4170455-
020	M_AED007D	79819298	1,8930455
020	M_AEDEG01D	79819298	2,1503455
020	M_AEDEG02D	79819298	2,9630455

To get the interests of a currency we have to follow the rule:

- Interest indicator for CREDIT = M."CURRENCY"G05C
- Interest indicator for DEBIT = M."CURRENCY"EG02D

020	M.USDG02C	79758798	4,4592500
020	M.USDEG02D	79758798	6,3405500

With this information we will have the table complete.

A	B	C	D	E	F	G	H	I
Currency	TP	Period	Code	Credit rate	Debit rate	t056p code		
BGN	3442	8	8BGN3442	-0,3130000	0,3567000			591BGN3442
BGN	6062	8	8BGN6062	-0,3130000	0,3567000			591BGN6062
CAD	4044	8	8CAD4044	0,0886364	0,7583364			591CAD4044
CAD	4290	8	8CAD4290	0,0886364	0,7583364			591CAD4290

### 3.2.4. Value date balances

Interests SAP	Interest rates	<b>Value date balances</b>	EOM rates	Pivot	Dashboard	Justification
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Copy the IBA accounts in column I of Interest rates tab;

Past it on column B in Value date balances tab;

Update period.

A	B	C	D	E	F	G	H	I
Currency	TP	Period	Code	Credit rate	Debit rate	t056p code		
BGN	3442	8	8BGN3442	-0,3130000	0,3567000			591BGN3442
BGN	6062	8	8BGN6062	-0,3130000	0,3567000			591BGN6062
CAD	4044	8	8CAD4044	0,0886364	0,7583364			591CAD4044
CAD	4290	8	8CAD4290	0,0886364	0,7583364			591CAD4290
CAD	5854	8	8CAD5854	0,1386364	0,7583364			591CAD5854
CAD	7424	8	8CAD7424	0,0886364	0,7583364			591CAD7424
CZK	6232	8	8CZK6232	0,5768182	1,2465182			591CZK6232
DKK	0005	8	8DKK0005	-0,5913636	0,0783364			591DKK0005
EUR	0003	8	8EUR0003	-0,6363636	0,0333364			591EUR0003
EUR	0005	8	8EUR0005	-0,6363636	0,0333364			591EUR0005
EUR	0212	8	8EUR0212	-0,6363636	0,0333364			591EUR0212
EUR	0360	8	8EUR0360	-0,6363636	0,0333364			591EUR0360
EUR	0454	8	8EUR0454	-0,6363636	0,0333364			591EUR0454
EUR	1420	8	8EUR1420	-0,6363636	0,0333364			591EUR1420
EUR	3471	8	8EUR3471	-0,6363636	0,0333364			591EUR3471
EUR	3972	8	8EUR3972	-0,6363636	0,0333364			591EUR3972
EUR	4025	8	8EUR4025	-0,6363636	0,0333364			591EUR4025
EUR	4044	8	8EUR4044	-0,6363636	0,0333364			591EUR4044
EUR	5586	8	8EUR5586	-0,6363636	0,0333364			591EUR5586
EUR	5782	8	8EUR5782	-0,6363636	0,0333364			591EUR5782
EUR	5983	8	8EUR5983	-0,6363636	0,0333364			591EUR5983

Interests SAP **Interest rates** Value date balances EOM rates Pivot **Dashboard** Justification

A	B	C	D	E	F	G	H
Period	G/L	Code	ValDateBal	OI Balance	Curr		
8	591BGN3442	8591BGN3442	21 864 475,43	21 864 475,43	BGN		
8	591BGN6062	8591BGN6062	0,07	0,07	BGN		
8	591CAD4044	8591CAD4044	- 5 181 730,67	- 8 301 977,99	CAD		
8	591CAD4290	8591CAD4290	- 0,56	- 0,56	CAD		
8	591CAD5854	8591CAD5854	- 59 593 895,88	- 55 923 114,19	CAD		
8	591CAD7424	8591CAD7424	- 8 510,75	- 8 510,75	CAD		
8	591CZK6232	8591CZK6232	- 26 563 873,67	- 26 563 873,67	CZK		
8	591DKK0005	8591DKK0005	140 008,84	140 008,84	DKK		
8	591EUR0003	8591EUR0003	9 213 017,71	9 213 017,71	EUR		
8	591EUR0005	8591EUR0005	5 113 409,91	27 138 163,03	EUR		
8	591EUR0212	8591EUR0212	2 229 025,54	2 307 325,24	EUR		
8	591EUR0360	8591EUR0360	16 130,58	16 130,58	EUR		
8	591EUR0454	8591EUR0454	7 512 116,29	7 512 116,29	EUR		
8	591EUR1420	8591EUR1420	3 415 334,24	3 415 334,24	EUR		
8	591EUR3471	8591EUR3471	29 915 318,75	34 680 575,50	EUR		
8	591EUR3972	8591EUR3972	177 371 690,36	177 371 690,36	EUR		
8	591EUR4025	8591EUR4025	3 691 424,66	3 691 424,66	EUR		
8	591EUR4044	8591EUR4044	17 866 384,32	18 002 054,12	EUR		
8	591EUR5586	8591EUR5586	49 298 180,26	49 458 372,57	EUR		
8	591EUR5782	8591EUR5782	1 581,31	1 581,31	EUR		
8	591EUR5983	8591EUR5983	10 942 778,91	10 942 778,91	EUR		

Interests SAP Interest rates **Value date balances** EOM rates Pivot **Dashboard** Justification

Next go to transaction Z3F\_BALANCE\_VAL\_DATE and fill the items accordingly:

Execute

A similar screen will appear:

CoCo	G/L Account	P.	Curren_	Value date balance	Open items balance
4044	591AED0231		AED	8.070,00-	8.070,00-
4044	591BGN0231		BGN	7,78	2.656,36-
4044	591CAD0231		CAD	4.907.192,91	7.883.074,78
4044	591CAD4290		CAD	7.855,00-	7.855,00-
4044	591CAD7651		CAD	4.384.780,18-	4.384.780,18-
4044	591CAD7752		CAD	690,05-	690,05-
4044	591CHF0231		CHF	52.053,88	52.053,88
4044	591EUR0231		EUR	6.671.149,12-	5.870.575,09-
4044	591EUR3384		EUR	6,00-	6,00-

We then need to extract all the information to our control file:

Period	G/L	Code	ValDateBal	OI Balance	Curr	G	H
8	591BGN3442	8591BGN3442	21 864 475,43	21 864 475,43	BGN		
8	591BGN6062	8591BGN6062	0,07	0,07	BGN		
8	591CAD4044	8591CAD4044	- 5 181 730,67	- 8 301 977,99	CAD		
8	591CAD4290	8591CAD4290	- 0,56	- 0,56	CAD		
8	591CAD5854	8591CAD5854	- 59 593 895,88	- 55 923 114,19	CAD		
8	591CAD7424	8591CAD7424	- 8 510,75	- 8 510,75	CAD		
8	591CZK6232	8591CZK6232	- 26 563 873,67	- 26 563 873,67	CZK		
8	591DKK0005	8591DKK0005	140 008,84	140 008,84	DKK		
8	591EUR0003	8591EUR0003	9 213 017,71	9 213 017,71	EUR		
8	591EUR0005	8591EUR0005	5 113 409,91	27 138 163,03	EUR		
8	591EUR0212	8591EUR0212	2 229 025,54	2 307 325,24	EUR		
8	591EUR0360	8591EUR0360	16 130,58	16 130,58	EUR		
8	591EUR0454	8591EUR0454	7 512 116,29	7 512 116,29	EUR		
8	591EUR1420	8591EUR1420	3 415 334,24	3 415 334,24	EUR		
8	591EUR3471	8591EUR3471	29 915 318,75	34 680 575,50	EUR		
8	591EUR3972	8591EUR3972	177 371 690,36	177 371 690,36	EUR		
8	591EUR4025	8591EUR4025	3 691 424,66	3 691 424,66	EUR		
8	591EUR4044	8591EUR4044	17 866 384,32	18 002 054,12	EUR		
8	591EUR5586	8591EUR5586	49 298 180,26	49 458 372,57	EUR		
8	591EUR5782	8591EUR5782	1 581,31	1 581,31	EUR		
8	591EUR5983	8591EUR5983	10 942 778,91	10 942 778,91	EUR		

### 3.2.5. EOM rates

Go to Syensqo Treasury Online

<https://build-prod-syensqo-2r1hkg14.workzone.cfapps.eu10.hana.ondemand.com/site/portal#workzone-home&workpages/LfdKUASV09jOyVc3l0E0Ee>

Choose Financial & Credit tools

Treasury Online

Our Mission is to provide:

- Treasury & Insurance is an active contributor to the Group's business strategy by acting with excellence and agility to provide with funding solutions, managing financial risks appropriately and operating efficiently

My Online portal | **Financial & Credit tools** | Agreements | About us

End of month rates

**Rates**

- End of month**
- [Historical series](#)
- [IA Interest rates](#) (to confirm the accuracy of the used IA interests rate, please contact the FX and Cash Management Team)
- [Applicable spreads \(EMTN\)](#)

Then choose the month and the reference currency EUR.

Month: **August** 2021

Choose your reference currency :

<input type="radio"/> AED	<input type="radio"/> ARS	<input type="radio"/> ATS	<input type="radio"/> AUD	<input type="radio"/> BAM
<input type="radio"/> BEF	<input type="radio"/> BGN	<input type="radio"/> BHD	<input type="radio"/> BRL	<input type="radio"/> CAD
<input type="radio"/> CDF	<input type="radio"/> CHF	<input type="radio"/> CLP	<input type="radio"/> CNH	<input type="radio"/> CNY
<input type="radio"/> COP	<input type="radio"/> CYP	<input type="radio"/> CZK	<input type="radio"/> DEM	<input type="radio"/> DKK
<input type="radio"/> DZD	<input type="radio"/> EEK	<input type="radio"/> EGP	<input type="radio"/> ESP	<input checked="" type="radio"/> EUR
<input type="radio"/> FIM	<input type="radio"/> FRF	<input type="radio"/> GBP	<input type="radio"/> GRD	<input type="radio"/> GTQ
<input type="radio"/> HKD	<input type="radio"/> HRK	<input type="radio"/> HUF	<input type="radio"/> IDR	<input type="radio"/> IEP
<input type="radio"/> ILS	<input type="radio"/> INR	<input type="radio"/> ISK	<input type="radio"/> ITL	<input type="radio"/> JMD
<input type="radio"/> JOD	<input type="radio"/> JPY	<input type="radio"/> KRW	<input type="radio"/> KWD	<input type="radio"/> KZT
<input type="radio"/> LBP	<input type="radio"/> LKR	<input type="radio"/> LTL	<input type="radio"/> LUF	<input type="radio"/> LVL
<input type="radio"/> MAD	<input type="radio"/> MKD	<input type="radio"/> MNT	<input type="radio"/> MTL	<input type="radio"/> MXN
<input type="radio"/> MYR	<input type="radio"/> NAD	<input type="radio"/> NGN	<input type="radio"/> NLG	<input type="radio"/> NOK
<input type="radio"/> NZD	<input type="radio"/> OMR	<input type="radio"/> PEN	<input type="radio"/> PHP	<input type="radio"/> PKR
<input type="radio"/> PLN	<input type="radio"/> PTE	<input type="radio"/> ROL	<input type="radio"/> RON	<input type="radio"/> RSD
<input type="radio"/> RUB	<input type="radio"/> SAR	<input type="radio"/> SEK	<input type="radio"/> SGD	<input type="radio"/> SIT
<input type="radio"/> SKK	<input type="radio"/> SYP	<input type="radio"/> THB	<input type="radio"/> TND	<input type="radio"/> TRL
<input type="radio"/> TRY	<input type="radio"/> TWD	<input type="radio"/> UAH	<input type="radio"/> USD	<input type="radio"/> UYU
<input type="radio"/> UZS	<input type="radio"/> VEF	<input type="radio"/> VES	<input type="radio"/> VND	<input type="radio"/> XAF
<input type="radio"/> XOF	<input type="radio"/> ZAR	<input type="radio"/> ZMW		

It will appear:

31.08.2021	End of month	Average (from beginning of the year)
United Arab Emirates Dirham	1 EUR = 4,34865	* 1 AED 4,40290
Argentine Peso	1 EUR = 115,57000	* 1 ARS 111,03967
<del>Austrian Schilling</del>	<del>1 EUR = 13,76030</del>	<del>* 1 SFS</del>
Australian Dollar	1 EUR = 1,61590	* 1 AUD 1,57276
Bosnia and Herzegovina Convertible Mark	1 EUR = 1,95580	* 1 BAM 1,95580
<del>Belgian Franc</del>	<del>1 EUR = 40,33990</del>	<del>* 1 BEF</del>
Bulgarian Lev (new)	100 EUR = 195,57500	* 1 BGN 195,59365
Bahrain Dinar	100 EUR = 44,63500	* 1 BHD 45,19223
Brazilian Real (new)	100 EUR = 613,74000	* 1 BRL 640,03456
Canadian Dollar	1 EUR = 1,48945	* 1 CAD 1,49753
Congolese franc	1 EUR = 2,34069	* 1000 CDF 2,37191
Swiss Franc	1 EUR = 1,08080	* 1 CHF 1,09105
Chilean Peso	1 EUR = 924,06950	* 1 CLP 877,30734
Hong Kong Yuan	1 EUR = 7,64270	* 1 CNH 7,75565
Yuan Renminbi	1 EUR = 7,65180	* 1 CNY 7,75438
Colombian Peso	1 EUR = 4,51865	* 1000 COP 4,41748
<del>Cyprus Pound</del>	<del>100 EUR = 58,52740</del>	<del>* 1 CYP</del>
Czech Koruna	1 EUR = 25,53500	* 1 CZK 25,77532
<del>German Mark</del>	<del>1 EUR = 1,93663</del>	<del>* 1 DEM</del>

Extract to excel:

New Turkish Lira	1 EUR =	9,84550	* 1 TRY	9,66247
New Taiwan Dollar	1 EUR =	32,81005	* 1 TWD	33,55622
Ukraine Hryvnia	1 EUR =	31,88540	* 1 UAH	33,02881
US Dollar	100 EUR =	118,39000	* 1 USD	119,86709
Peso Uruguayo	1 EUR =	50,36310	* 1 UYU	52,16299
Uzbekistan Sum	1 EUR =	12,61230	* 1000 UZS	12,65265
Venezuelan Bolivar Fuerte	1 EUR =	283,10270	* 1000 VEF	79,85424
sovereign Bolivar	1 EUR =	4,900,54410	* 1000 VES	3,195,18389
Vietnamese Dong	1 EUR =	26,97220	* 1000 VND	27,58719
<del>C.F.A. Franc B.E.A. Central</del>	<del>1 EUR =</del>	<del>655,95700</del>	<del>* 1 XAF</del>	
<del>C.F.A. Franc B.C.E.A. Ouest</del>	<del>1 EUR =</del>	<del>655,95700</del>	<del>* 1 XOF</del>	
South African Rand	1 EUR =	17,22720	* 1 ZAR	17,45848
Zambian Kwacha	1 EUR =	18,91280	* 1 ZMW	25,76525

To Excel Interrupt Exit

We will use the End of month rates.

31.08.2021	End of month		Average (from beginning of the year)	
United Arab Emirates Dirham	1 EUR =	4,34865	* 1 AED	4,40290
Argentine Peso	1 EUR =	115,57000	* 1 ARS	111,03967
<del>Austrian Schilling</del>	<del>1 EUR =</del>	<del>13,76030</del>	<del>* 1 ATS</del>	
Australian Dollar	1 EUR =	1,61590	* 1 AUD	1,57276
Bosnia and Herzegovina Convertible Mark	1 EUR =	1,95580	* 1 BAM	1,95580
<del>Belgian Franc</del>	<del>1 EUR =</del>	<del>40,33990</del>	<del>* 1 BEF</del>	
Bulgarian Lev (new)	100 EUR =	195,57500	* 1 BGN	195,59365
Bahrain Dinar	100 EUR =	44,63500	* 1 BHD	45,19223
Brazilian Real (new)	100 EUR =	613,74000	* 1 BRL	640,03456
Canadian Dollar	1 EUR =	1,48945	* 1 CAD	1,49753
Congolese franc	1 EUR =	2,34069	* 1000 CDF	2,37191
Swiss Franc	1 EUR =	1,08080	* 1 CHF	1,09105
Chilean Peso	1 EUR =	924,06950	* 1 CLP	877,30734
Hong Kong Yuan	1 EUR =	7,64270	* 1 CNH	7,75565
Yuan Renminbi	1 EUR =	7,65180	* 1 CNY	7,75438
Colombian Peso	1 EUR =	4,51865	* 1000 COP	4,41748
<del>Cyprus Pound</del>	<del>100 EUR =</del>	<del>58,52740</del>	<del>* 1 CYP</del>	
Czech Koruna	1 EUR =	25,53500	* 1 CZK	25,77532
<del>German Mark</del>	<del>1 EUR =</del>	<del>1,95582</del>	<del>* 1 DEM</del>	

We need to update the rates that have the differential different from 1.

New Turkish Lira	1 EUR =	9,84550	* 1 TRY	9,66247
New Taiwan Dollar	1 EUR =	32,81005	* 1 TWD	33,55622
Ukraine Hryvnia	1 EUR =	31,88540	* 1 UAH	33,02881
US Dollar	100 EUR =	118,39000	* 1 USD	119,86709
Peso Uruguayo	1 EUR =	50,36310	* 1 UYU	52,16299

For the USD, for example, the end of month rate will be  $118.39 / 100 = 1.1839$

After we have all the rates for each currency, we update columns B, C and D.

A	B	C	D	E	F	G	H	I	J	K
Code	Period	Currency	Rate							
8AED	8	AED	4,34865							
8ARS	8	ARS	115,57							
8ATS	8	ATS	13,7603							
8AUD	8	AUD	1,6159							
8BAM	8	BAM	1,9558							
8BEF	8	BEF	40,3399							
8BGN	8	BGN	1,95575							
8BHD	8	BHD	0,44635							
8BRL	8	BRL	6,1374							
8CAD	8	CAD	1,48945							
8CDF	8	CDF	2,34069							
8CHF	8	CHF	1,0808							
8CLP	8	CLP	924,0695							
8CNH	8	CNH	7,6427							
8CNY	8	CNY	7,6518							
8COP	8	COP	4,51865							
8CYP	8	CYP	0,585274							
8CZK	8	CZK	25,535							
8DEM	8	DEM	1,95583							
8DKK	8	DKK	7,436							
8DZD	8	DZD	160,2137							

### 3.2.6. Pivot

Now we have all the information in this tab, we can proceed with the analysis between the theoretical interest and the actual interest calculated in each IBA.

We should analyze differences higher than 5%. We also need to check if the amount is significant to be analyzed or not.

If we see the example below, we have a difference of 178,64% in 591USD6044, however, the difference in amount is negligible (-0,15€).

Posting Period	Document currency	Affiliate	Value date Balanc	INT Calculation	INT in P&L Ir	DIFF	DIFF%	Interest Rat	INT in P&L in Loc Cur	DIFF in EUR
9	USD	4044	-492 482 100,92	-1 700 835,45	1 710 401,15	9 565,70	0,56%	4,1443182	1 456 466,26	8 145,53
9	USD	5978	-11 443,38	-39,52	39,43	-0,09	-0,23%	4,1443182	33,58	-0,08
9	USD	6044	-22,77	-0,08	-0,10	-0,18	178,64%	4,1443182	-0,09	-0,15

We analyze differences higher than 5% and higher than 30k in EUR.

### 3.2.7. Justification

Interests SAP	Interest rates	Value date balances	EOM rates	Pivot	Dashboard	Justification
---------------	----------------	---------------------	-----------	-------	-----------	---------------

Use Justification tab to comment on the analysis performed regarding the IBA that was higher than 5%. This information will automatically appear in tab Pivot (column L).

A	B	C	D	E
Code	Period	Currency	Affiliate	Comment
8USD5854	8	USD	5854	Value date balance 455M compared to average balance 435M - formula adjusted
8THB7794	8	THB	7794	Balance of 89M for 17d - formula adjusted (7774 DIVIDENDS)
8THB6105	8	THB	6105	Balance of 36M for 17d - formula adjusted (6066 DIVIDEND)
8MXN5854	8	MXN	5854	Value date balance 1,799B compared to average balance 1,662B - formula adjusted
8MXN4044	8	MXN	4044	Value date balance 6M compared to average balance 7M - formula adjusted
8Eur4044	8	Eur	4044	Interest rate zero for August - Carry forward amount 90,220.41-73,032.56 (17187,85) causing the difference
8ZAR6048	8	ZAR	6048	Value date balance 217M compared to average balance 212M - formula adjusted
8USD5854	8	USD	5854	Value date balance 349M compared to average balance 364M - formula adjusted

### 3.2.8. Dashboard

Interests SAP	Interest rates	Value date balances	EOM rates	Pivot	Dashboard	Justification
---------------	----------------	---------------------	-----------	-------	-----------	---------------

In Dashboard tab, we have the cumulative view on the interest calculation:

	Theoretical	Realized	Diff.	Realized (in EUR)	Diff. (in EUR)
Row Labels	Theoretical	P&L in CUR	Diff.	P&L in EUR	Sum of DIFF in EUR
± AUD	-569 000,08	563 394,58	-5 605,50	322 887,93	-2 988,82
± BGN	-0,13	0,11	-0,02	0,09	-0,01
± CAD	-1 332 555,13	1 286 682,58	-45 872,55	819 473,82	-29 420,24
± CHF	-515,25	555,32	40,07	587,89	43,34
± CZK	-704 522,30	686 045,32	-18 476,98	27 671,71	-741,91
± EUR	-7 112 445,67	7 169 502,61	57 056,94	7 169 502,61	57 056,94
± GBP	3 920 093,91	-3 832 321,45	87 772,46	-4 508 261,78	103 300,46
± JPY	-3 482 302,40	3 904 683,00	422 380,60	23 452,27	2 562,27
± MXN	-55 285 749,57	54 411 577,00	-874 172,57	2 499 343,59	-40 618,16
± NZD	-2 792,43	3 069,81	277,38	1 598,86	139,87
± PLN	-1 080,98	-1 355,61	-2 436,59	-317,23	-570,20
± RON	-133 162,57	132 570,77	-591,80	26 346,57	-116,54
± SGD	-1 415 600,04	1 349 593,72	-66 006,32	924 150,72	-45 106,53
± THB	-360 577,75	150 410,49	-210 167,26	3 968,91	-5 608,84
± USD	-11 991 583,32	12 016 238,34	24 655,02	10 541 626,55	22 435,73
± ZAR	43,59	-5 373,17	-5 329,58	-277,51	-275,26
± RSD	93 021,44	-75 562,18	17 459,26	-644,85	148,98
Grand Total	-78 378 728,67	77 759 711,24	-619 017,43	17 851 110,15	60 241,08

D3 documents in this accounts (YTD)  
 G/L Account \*  
 Company Code 2232

St	Account	Type	Amt in loc. cur.	LCurr
*	6500030000		35.778.605,32	EUR
*	7510030000		17.927.495,17	EUR
**			17.851.110,15	EUR

We can see in the example above that the cumulative difference is less than 5%.

### 3.3. Investigation Diff. Higher 5%

Interests SAP | 2)Interest rates | 3)Value date balances | 4)EOM rates | **Pivot** | **Dashboard** | Justification | 09.2025

In this procedure we will see the example only for 591EUR5835. For the rest you have to apply the same logic.

First go again to SAP – FS10N transaction (chapter 3.3 of the procedure) and select the D3 document that we wish to analyze. In this case we have to look for TP 5835:

G/L Account 6500030000 Interests on subsidiaries' current account  
 Company Code 2232

Stat	Account	Offst. acct	Assignment	DocumentNo	Tr. Prt	BusA	TTY	Type	Value Date	Doc. Date	Pstng Date	PK	DC amount	Curr.	LC amt	LCurr	Tx	Clrng doc.	Clearing	Text
☐	✓	6500030000	2720100000	5835/INTS 20250930	4410002499	5835	9990	D3		30.09.2025	30.09.2025	40	364.693,31	EUR	364.693,31	EUR				01092025-30092025

And if you look closely, this amount is the same as our column "Int in P&L":

Posting Period	Document currency	Affiliate	Value date Balance	INT Calculation	INT in P&L in	DIFF	DIFF%	Interest Rate	INT in P&L in Loc Cur	DIFF in EUR	Justification
9	EUR	5835	-230 293 784,34	-364 282,89	364 693,31	410,42	0,11%	1,8981818	364 693,31	410,42	Average balance of -230M instead of value date balance of -253M - formula adjusted

Then you need to take a screenshot of the interest scale in the D3 document and paste it in the tab "MM.YYYY".

In our case double click on the document itself and download the file:

SAP Display Document: Line Item 001

G/L Account: 6500030000 Interests on subsidiaries' current account  
 Company Code: 2232 SYENSO SA TREASURY  
 Doc. no.: 4410002499

Acctng Doc. Line Item 223244100024992... Doc. no. 4410002499

Service: Attachment list

AttachmentFor223244100024992025001

Icon	Title	Creator Name	Created On
	Interest Scale		30.09.2025

And paste the month that we are analyzing in the tab "MM.YYYY".

A similar screen will be shown:

Seq	Value Date	Curr.	Amount	Balance	Number of days	Interest Rate %	Base amount	Interest amount	Cumulated interest	Cumulated interest	Interest amount
	16-Sep-2025	EUR	301,112.28	-224,637,191.05	1	1.8981818	-224,938,303.33	-11,860.38	-189,027.45	0	0
	17-Sep-2025	EUR	-2,429,452.43	-227,066,643.48	1	1.8981818	-224,637,191.05	-11,844.51	-200,871.96	0	0
	18-Sep-2025	EUR	-4,577,327.6	-231,643,971.08	1	1.8981818	-227,066,643.48	-11,972.6	-212,844.56	0	0
	19-Sep-2025	EUR	-3,188,907.8	-234,832,878.88	1	1.8981818	-231,643,971.08	-12,213.95	-225,058.51	0	0
	20-Sep-2025	EUR	-180,296.14	-235,013,175.02	1	1.8981818	-234,832,878.88	-12,382.1	-237,440.61	0	0
	22-Sep-2025	EUR	-1,730,585.04	-236,743,760.06	2	1.8981818	-235,013,175.02	-24,783.21	-262,223.82	0	0
	23-Sep-2025	EUR	-2,144,753.02	-238,888,513.08	1	1.8981818	-236,743,760.06	-12,482.85	-274,706.67	0	0
	24-Sep-2025	EUR	-3,373,089.01	-242,261,602.09	1	1.8981818	-238,888,513.08	-12,595.94	-287,302.61	0	0
	25-Sep-2025	EUR	-2,804,432.18	-245,066,034.27	1	1.8981818	-242,261,602.09	-12,773.79	-300,076.4	0	0
	26-Sep-2025	EUR	3,733,228.6	-241,332,805.67	1	1.8981818	-245,066,034.27	-12,921.66	-312,998.06	0	0
	27-Sep-2025	EUR	-29,847.53	-241,362,653.2	1	1.8981818	-241,332,805.67	-12,724.82	-325,722.88	0	0
	29-Sep-2025	EUR	-7,028,392.13	-248,391,045.33	2	1.8981818	-241,362,653.2	-25,452.79	-351,175.67	0	0
	30-Sep-2025	EUR	3,891,114.65	-244,499,930.68	1	1.8981818	-248,391,045.33	-13,096.98	-364,272.65	0	0
	30-Sep-2025	EUR	0	0	0	0	0	0	0	0	-364,693.31

The first part of our analysis is to confirm that the column "amount" of our print screen is align with our SAP:

31-Aug-2025	EUR	-1.414.057,08	-219.067.134,65	2	1.8995	-217.653.077,57	-22.932,17	-278.940,43	0	-278.499,81	0	0	0	31-Aug-2025	-420,66	0	0
01-Sep-2025	EUR	-5.175.632,84	-224.242.767,49	1	1.8985	-219.067.134,65	-11.540,58	-11.540,58	0	0	0	0	0		0	0	0
02-Sep-2025	EUR	-3.514,658	-227.757.625,49	1	1.8981818	-224.242.767,49	-11.823,71	-23.364,29	0	0	0	0	0		0	0	0
03-Sep-2025	EUR	-2.610.779,46	-230.368.404,95	1	1.8981818	-227.757.625,49	-12.009,04	-35.373,33	0	0	0	0	0		0	0	0
04-Sep-2025	EUR	-3.763.696,58	-234.132.101,53	1	1.8981818	-230.368.404,95	-12.146,7	-47.520,03	0	0	0	0	0		0	0	0
05-Sep-2025	EUR	13.753.879,21	-220.378.222,32	1	1.8981818	-234.132.101,53	-12.345,15	-59.865,18	0	0	0	0	0		0	0	0
06-Sep-2025	EUR	-48.407,22	-220.426.629,54	1	1.8981818	-220.378.222,32	-11.619,94	-71.485,12	0	0	0	0	0		0	0	0
08-Sep-2025	EUR	-1.401.618,52	-221.828.248,06	2	1.8981818	-220.426.629,54	-23.244,99	-94.730,11	0	0	0	0	0		0	0	0
09-Sep-2025	EUR	2.138.088,8	-219.690.159,26	1	1.8981818	-221.828.248,06	-11.696,4	-106.426,51	0	0	0	0	0		0	0	0
10-Sep-2025	EUR	-1.640.689,84	-221.330.849,1	1	1.8981818	-219.690.159,26	-11.583,66	-118.010,17	0	0	0	0	0		0	0	0
11-Sep-2025	EUR	-1.762.598,24	-223.093.447,34	1	1.8981818	-221.330.849,1	-11.670,17	-129.680,34	0	0	0	0	0		0	0	0
12-Sep-2025	EUR	-2.744.647,61	-225.838.094,95	1	1.8981818	-223.093.447,34	-11.763,11	-141.443,45	0	0	0	0	0		0	0	0
13-Sep-2025	EUR	-1.310,69	-225.839.405,64	1	1.8981818	-225.838.094,95	-11.907,83	-153.351,28	0	0	0	0	0		0	0	0
15-Sep-2025	EUR	901.102,31	-224.938.303,33	2	1.8981818	-225.839.405,64	-23.815,79	-177.167,07	0	0	0	0	0		0	0	0

Seq	Value Date	Curr.	Amount	Balance	Number of days	Interest Rate %	Base amount	Interest amount	Cumulated interest	Cumulated interest	Interest amount	Interest amount	Withholding tax amount	WHTax Rate %	Posting Date	Amount carried forward	Amount carried forward	Withholding tax amount
16-Sep-2025	EUR		301.112,28	-224.637.191,05	1	1.8981818	-224.938.303,33	-11.860,38	-189.027,45	0	0	0	0	0		0	0	0
17-Sep-2025	EUR		-2.429.452,43	-227.066.643,48	1	1.8981818	-224.637.191,05	-11.844,51	-200.871,96	0	0	0	0	0		0	0	0
18-Sep-2025	EUR		-4.577.327,6	-231.643.971,08	1	1.8981818	-227.066.643,48	-11.972,6	-212.844,56	0	0	0	0	0		0	0	0
19-Sep-2025	EUR		-3.188.907,8	-234.832.878,88	1	1.8981818	-231.643.971,08	-12.213,95	-225.058,51	0	0	0	0	0		0	0	0
20-Sep-2025	EUR		-180.296,14	-235.013.175,02	1	1.8981818	-234.832.878,88	-12.382,1	-237.440,61	0	0	0	0	0		0	0	0
22-Sep-2025	EUR		-1.730.585,04	-236.743.760,06	2	1.8981818	-235.013.175,02	-24.783,21	-262.223,82	0	0	0	0	0		0	0	0
23-Sep-2025	EUR		-2.144.753,02	-238.888.513,08	1	1.8981818	-236.743.760,06	-12.482,85	-274.706,67	0	0	0	0	0		0	0	0
24-Sep-2025	EUR		-3.373.089,01	-242.261.602,09	1	1.8981818	-238.888.513,08	-12.595,94	-287.302,61	0	0	0	0	0		0	0	0
25-Sep-2025	EUR		-2.804.432,18	-245.066.034,27	1	1.8981818	-242.261.602,09	-12.773,79	-300.076,4	0	0	0	0	0		0	0	0
26-Sep-2025	EUR		3.733.228,6	-241.332.805,67	1	1.8981818	-245.066.034,27	-12.921,66	-312.998,06	0	0	0	0	0		0	0	0
27-Sep-2025	EUR		-29.847,53	-241.362.653,2	1	1.8981818	-241.332.805,67	-12.724,82	-325.722,88	0	0	0	0	0		0	0	0
29-Sep-2025	EUR		-7.028.392,13	-248.391.045,33	2	1.8981818	-241.362.653,2	-25.452,79	-351.175,67	0	0	0	0	0		0	0	0
30-Sep-2025	EUR		3.891.114,65	-244.499.930,68	1	1.8981818	-248.391.045,33	-13.096,98	-364.272,65	0	0	0	0	0		0	0	0
30-Sep-2025	EUR		0	0	0	0	0	0	0	0	-364.693,31	0	0	0	30-Sep-2025	0	0	0

Go to FS10N – Choose Account 591EUR5835 – Select all items from the cumulative balance

Account number: 591EUR5835 CCpSOL.SPEC IT-EUR  
Company code: 2232 SYENSQO SA TREASURY  
Business area: \*  
Fiscal year: 2025  
All documents in currency: \* Display currency: EUR

Period	Debit	Credit	Balance	Cumulative balance
Balance Carry...				43.695.937,88-
1	1.087.448.468,98	1.083.720.169,56	3.728.299,42	39.967.638,46-
2	1.165.380.199,82	1.098.513.217,31	66.866.982,51	26.899.344,05
3	387.159.222,76	428.321.128,39	41.161.905,63-	14.262.561,58-
4	816.020.645,32	828.216.689,41	12.196.044,09-	26.458.605,67-
5	993.586.412,22	1.003.788.403,70	10.201.991,48-	36.660.597,15-
6	1.402.191.831,23	1.451.796.907,65	49.605.076,42-	86.265.673,57-
7	2.346.526.785,60	2.322.741.376,99	23.785.408,61	62.480.264,96-
8	3.355.366.065,88	3.461.509.490,20	106.143.424,32-	168.623.689,28-
9	4.596.995.127,66	4.632.546.206,32	35.551.078,66-	204.174.767,94-

Then filter the value date from 01.MM.YYYY until 31.MM.YYYY

Multiple Selection for Value Date

Select Single Values **Select Ranges (1)** Exclude Single Values Exclude Ranges

O.. Lower limit	Upper limit
<input type="checkbox"/> 01.09.2025	<input type="checkbox"/> 30.09.2025

Make a new filter for the posting date: exclude range from last day of the month until 31.12.9999

Multiple Selection for Posting Date

Select Single Values   
 Select Ranges   
 Exclude Single Values   
 Exclude Ranges (1)

	O.. Lower limit	Upper limit	
<input type="checkbox"/>	30.09.2025	31.12.9999	

And sum by value date:

G/L Account		591EUR5835 C/Cp SOLVAY SPECIALTY POLYMERS (IT)-EUR														
Company Code		2232														
St	Account	Offst.acct	Assignment	DocumentNo	Tr.Prt	BusA	TTY	Type	Value Date	Doc. Date	Pstng Date	PK	Amount in doc. curr.	Curr.	Amt in Loc.curr.	LCurr
*									01.09.2025				5.175.632,84-	EUR	5.175.632,84-	EUR
*									02.09.2025				3.514.858,00-	EUR	3.514.858,00-	EUR
*									03.09.2025				2.610.779,46-	EUR	2.610.779,46-	EUR
*									04.09.2025				3.763.696,58-	EUR	3.763.696,58-	EUR
*									05.09.2025				13.753.879,21	EUR	13.753.879,21	EUR
*									06.09.2025				48.407,22-	EUR	48.407,22-	EUR
*									08.09.2025				1.401.618,52-	EUR	1.401.618,52-	EUR
*									09.09.2025				2.138.088,80	EUR	2.138.088,80	EUR
*									10.09.2025				1.640.689,84-	EUR	1.640.689,84-	EUR
*									11.09.2025				1.762.598,24-	EUR	1.762.598,24-	EUR
*									12.09.2025				2.744.647,61-	EUR	2.744.647,61-	EUR
*									13.09.2025				1.310,69-	EUR	1.310,69-	EUR
*									15.09.2025				901.102,31	EUR	901.102,31	EUR
*									16.09.2025				301.112,28	EUR	301.112,28	EUR
*									17.09.2025				2.429.452,43-	EUR	2.429.452,43-	EUR
*									18.09.2025				4.577.327,60-	EUR	4.577.327,60-	EUR
*									19.09.2025				3.188.907,80-	EUR	3.188.907,80-	EUR
*									20.09.2025				180.296,14-	EUR	180.296,14-	EUR
*									22.09.2025				1.730.585,04-	EUR	1.730.585,04-	EUR
*									23.09.2025				2.144.753,02-	EUR	2.144.753,02-	EUR
*									24.09.2025				3.373.089,01-	EUR	3.373.089,01-	EUR
*									25.09.2025				2.804.432,18-	EUR	2.804.432,18-	EUR
*									26.09.2025				3.733.228,60	EUR	3.733.228,60	EUR
*									27.09.2025				29.847,53-	EUR	29.847,53-	EUR
*									29.09.2025				7.028.392,13-	EUR	7.028.392,13-	EUR
*									30.09.2025				4.208.530,80	EUR	4.208.530,80	EUR
**													25.115.379,88-	EUR	25.115.379,88-	EUR

Now compare the amounts in local currency with the amount from our interest scale. They should match. If they match it means that we need to take the average from what the system calculated.

If you look closely, the system calculates the interests applying the rate, to the balance by value date by days. If the balance has a big change, or if it keeps changing a lot, this means that we cannot use just the final balance as we did in our tab "IBA" to see if the interests were well calculated. We will use an average that the balance had throughout the month.

For that we need to go to transaction Z3CTB – ZINTERET – Interest Calculation on general ledger account.

Apply the following variants according to the company being analyzed:

- 2232 INT 2023
- 4044 INT CALC

And fill accordingly:

**Data selection**

Company Code: 4044 to [ ]

G/L Account: 5910SD/180 to [ ]

Interest indicator: 38 to 39

Exclude pooled G/L accounts

4 last characters = cy code

New start date [ ]  Save the new start date  + ca

until value date: 31.07.2018

**Simulate previous computed statement, until**

Value Date: [ ]

Date of last interest run: << [ ] >>

Time of Entry: < 00:00:00 >

**Negative Interest Rates**

Negative int. rates not allowed

Negative int. rates allowed

Set Negative Interest Rates to Zero

**Posting Control**

Post interest  Attach PDF file with int.sc  Long text with interest scale

Ignore lower limit for interest amount: Consider also little amounts

**Annotations:**

- Company code
- IBA being analyzed
- Last day of the month being analyzed
- VERY IMPORTANT!!!! UNSELECT THESE ITEMS. IF YOU DO NOT UNSELECT YOU WILL CALCULATE NEW INTERESTS

Execute

A similar screen will show:



And now you need to replace the amount in tab "Pivot" in 2232 and "IBA" in 4044, as follows:

Posting Period	Document currency	Affiliate	Value date Balance	INT Calculation	INT in P&L In	DIFF	DIFF%	Interest Rate	INT in P&L In Loc Cur	DIFF In EUR	Justification
9	EUR	5835	-230.253.764,34	-364.282,89	364.693,31	410,42		0,11%	1,8981818	364.693,31	410,42 Average balance of -230M instead of value date balance of -253M - formula adjusted

IBA	CL	TP	SAP Balance	SAP VALUE DATE	SAP VALUE DATE	YE	DA	RATE	INTEREST C	INTEREST IN SAP	diff in CL	Diff %
59LUSD780	USD	780	41.470.602,06	Value date Balance	Open items Balance							
				41.560.345,71	41.470.602,06	360	31	3,18896	-118.678,13	-89.744,65	-21.673,40	24,37%

IBA	CL	TP	SAP Balance	SAP VALUE DATE	SAP VALUE DATE	YE	DA	RATE	INTEREST C	INTEREST IN SAP	diff in CL	Diff %
59LUSD780	USD	780	41.470.602,06	34.819.332,96	41.470.602,06	360	31	3,18896	-80.510,87	-89.744,65	-3.769,22	5,25% average charged -34
				BEFORE								
			59LUSD780	41.560.345,71								

Keep the old amount just for reference.

Has you can see the difference now is under 5% and its justified.

## 4. Manual Corrections

No manual corrections

**End of document.**