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Revenue Accounting and Reporting with SAP S/4HANA

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Exception	Contra	РОВ	CoCode	Acc.Princ.	Post.Liab	Post.Level	Post.Liab	Leadg/Lnkd	LC Calcul.	Leading	Higher-Lvl	Excl.Alloc	BOM Root Comp	. FulfilType	Event Ty	pe Val.F
00	200064	101176	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	X
00		101177	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	X
	200064 🗆	,														
00	200066	101179	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	Х
	200066 🗆															
00	200069	101184	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	Х
	200069 🗆															
00	200074	101193	CH04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level						X	D	E	MA	Х
00		101194	CH04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level						X	D	E	MA	X
	200074 -															
		101195	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	X
	200075 🗆															
00	200076	101196	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	Х
	200076 🗆															
•00	200077	101197	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	X
•00		101198	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	X
	200077 🗆															
00		101199	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	0	MA	
	200078															
00		101200	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	0	MA	Х
	200079 🗆															
00	200080	101201		IFRS	•	Post at Performance Obligation Level							D	E	CI	X
00		101202	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	CI	Х
	200080 🗆															
00		101203	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	MA	X
	200081 🗆															
		101204	GB04	IFRS	Contract Liability/Contract Asset	Post at Performance Obligation Level							D	E	MA	X
	200082 -															

Figure 4.44 Error Monitor Results (Page 174)

Exception	Contra	POB	SumBookLia	SumPlaAsse	SumBooAsse	ManSpread	Spread Cf	Manual Amt	Manual Con	Manual Spr	Manu Alloc Manual Any	Created on	Created At	E01	E02	E03	E04 E	05 E0	6 E07	7 E08	E09 E	10 E1	1 E12	2 E13	E14 E	15 E1	16 E17	7 E18	E19 [E22 E25
00	200064	101176	0,00	0,00	0,00							25.02.2023	17:55:21	~	~	~	✓	< ·	/ /	~	✓	/ 、	/ /	~	✓	< ·	/ /	~	~	✓ ✓
00		101177	0,00	0,00	0,00							25.02.2023	17:55:21	~	~	✓	✓	< ·	/ /	~	✓	/ 、	/ /	~	✓	< ·	/ /	~	✓	V V
	200064 🗆																													
00	200066	101179	0,00	0,00	0,00							25.02.2023	17:55:21	~	~	✓	✓	/	/ /	~	✓	/ 、	/ /	~	✓	/	/ /	~	✓	V V
	200066 🗆																													
00	200069	101184	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< v	/ /	~	✓	/ 、	/ /	~	✓	/	/ /	~	✓	V V
	200069 🗆																													
00	200074	101193	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< v	/ /	~	✓	/ 、	/ /	~	✓	/	/ 4	~	✓	V V
00		101194	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< v	/ /	~	✓	/ 、	/ /	~	✓	< ·	/ /	~	~	V V
	200074																													
	200075	101195	0,00	0,00	0,00							25.02.2023	17:55:21	✓	✓	✓	✓	< v	/ /	~	✓	/ \	/ /	~	~	< ·	/ 4	~	~	< <
	200075 🗆																													
		101196	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< ·	/ /	~	✓	/ \	/ /	~	✓	< ·	/ 4	~	✓	< <
	200076 🗆																													
•00	200077	101197	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< ·	/ /	~	✓	/ >	< ~	~	~	< ·	/ -/	~	✓	< <
•00		101198	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< ·	/ /	~	✓	/ >	< ~	~	✓	< ·	/ /	~	✓	< <
	200077 🗆																													
00	200078	101199	0,00	0,00	0,00							25.02.2023	17:55:21	~	✓	✓	✓	< ·	/ /	~	~	/ \	/ /	✓	✓	< ·	/ /	~	~	✓ ✓
	200078 🗆																													

Figure 4.45 Errors Found While Processing Consistency Check (Page 175)



Figure 5.43 Revenue in a Contract Based on Time (Page 258)

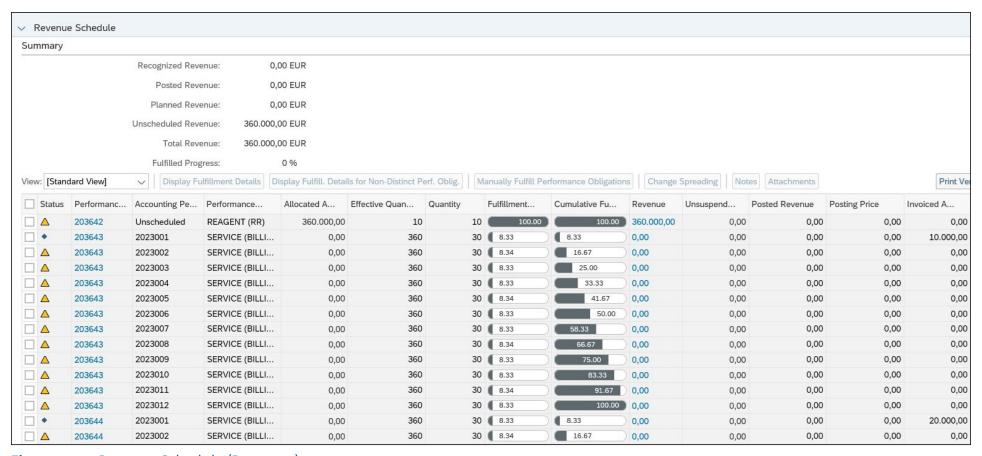


Figure 5.44 Revenue Schedule (Page 258)

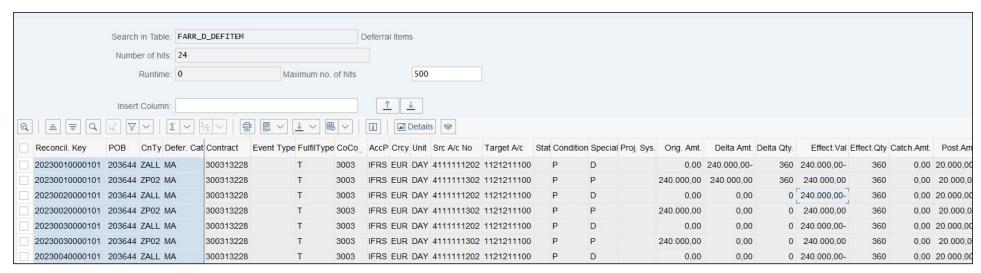


Figure 5.45 Table FARR_D_DEFITEM (Page 259)

G/L Document ≜	Revenue Acco	Performance Obli	Performance Obli	Posting Categ	Condition Type	G/L Account	\triangleq	Account Descri A	Debit/Credit	Amount	Currency	Amount in LC	Local C
530000014	300313321	205205	REAGENT (RR)	Receivable Adjus		1121211100		AR-Trade -RAR-Adj	Credit	109,99-	EUR	109,99-	EUR
0	300313321	205205	REAGENT (RR)	Receivable Adjus					Debit	133,00	EUR	133,00	EUR
	300313321	205206	REAGENT (RR)	Receivable Adjus	ZALL				Credit	43,99-	EUR	43,99-	EUR
0	300313321	205206	REAGENT (RR)	Receivable Adjus	ZP01				Debit	53,20	EUR	53,20	EUR
0	300313321	205207	SERVICE (BILLING)	Receivable Adjus					Credit	373,95-	EUR	373,95-	EUR
0	300313321	205207	SERVICE (BILLING)	Receivable Adjus	ZALL				Debit	373,95	EUR	373,95	EUR
0	300313321	205207	SERVICE (BILLING)	Receivable Adjus	ZP01				Debit	150,00	EUR	150,00	EUR
530000014						1121211100		∧ AR-Trade -RAR		• 228,25	EUR	• 228,25	EUR
530000014						^ 1121211100				• • 228,25	EUR	• • 228,25	EUR
5300000014	300313321	205207	SERVICE (BILLING)	Contract Asset		1121312000		Cntrct assets/unbRAR	Debit	373,95	EUR	373,95	EUR
530000014						1121312000		∧ Cntrct assets/un		• 373,95	EUR	• 373,95	EUR
530000014						^ 1121312000	i .			• • 373,95	EUR	• • 373,95	EUR
530000014	300313321	205204	REAGENT (RR)	Recognized Rev	ZALL	4111111201		Revenue Alloc Rea	Debit	219,97	EUR	219,97	EUR
0	300313321	205205	REAGENT (RR)	Recognized Rev	ZALL				Debit	109,99	EUR	109,99	EUR
0	300313321	205206	REAGENT (RR)	Recognized Rev	ZALL				Debit	43,99	EUR	43,99	EUR
530000014						4111111201		∧ Revenue Alloc R		• 373,95	EUR	• 373,95	EUR
530000014						^ 4111111201				• • 373,95	EUR	• • 373,95	EUR
530000014	300313321	205207	SERVICE (BILLING)	Recognized Rev	ZALL	4111111202		Revenue Alloc Servic	Credit	373,95-	EUR	373,95-	EUR
530000014						4111111202		↑ Revenue Alloc S		• 373,95-	EUR	• 373,95-	EUR
5300000014						^ 4111111202				• • 373,95-	EUR	• • 373,95-	EUR

Figure 6.42 Reconciliation App Results (Page 337)

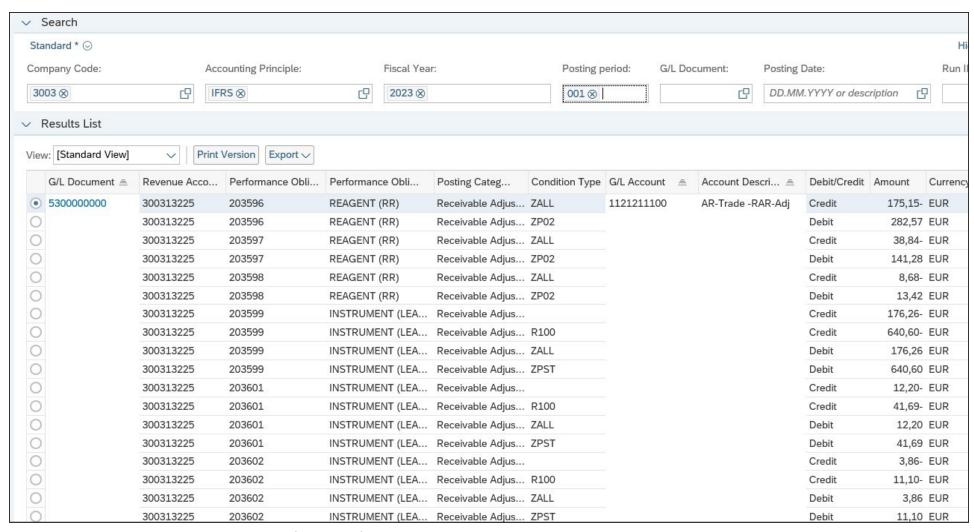


Figure 6.55 Financial Postings from RAR (Page 348)

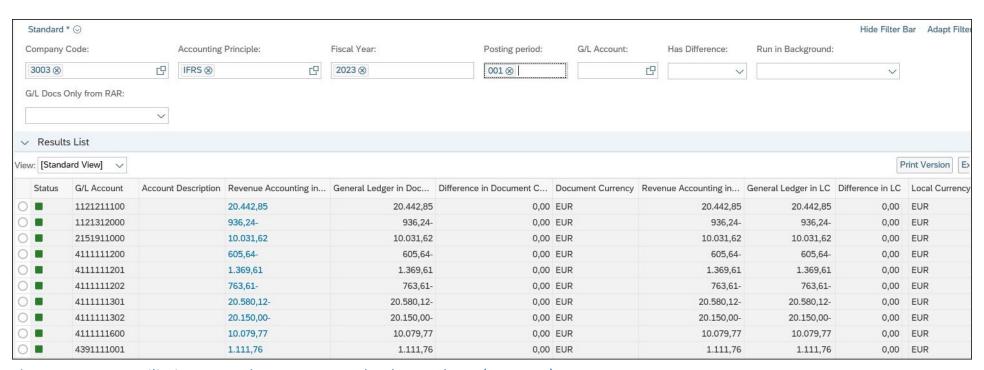


Figure 6.56 Reconciliation Report between General Ledger and RAR (Page 348)

```
7 - Function ZRAR REPROCESS CORE.
     Perform initialize. "Initialize global variables. Assign the importing variable to global variables and internal tables.
9 d if It HeaderID[] is NOT INITIAL .
      READ TABLE It HeaderID INTO DATA(1s headerId) INDEX 1. "Check if headerId is passed as a range or stack of multiple
10
11
                                                              " single values.
12
13 ь
      If LS HEADERID-option = 'EQ' ." (the sending program or the main program has sent multiple single values of HeaderID
14
                                     "so move it as is it to the global internal table for header id)
15
       qt HeaderID global[] = It HeaderID[].
16
       endif.
17 🗅
      If LS HEADERID-option <> 'EQ'." (the sending program has sent ranges of HeaderID)
18
        Perform Get headerid using It HeaderID changing GT HeaderID global.
                                     "( the same selection logic will be applied for fetching the header id
19
20
                                     " as in the main program but it will be for a smaller range value
21
                                     " which is sent from the parent program and as available in the ranges )
22
       Endif.
23
      Endif.
24
      Sort GT HeaderID Global[].
25
       DESCRIBE TABLE GT HeaderID Global[] LINES GW TOTAL.
        gw min = 1. gw max = p pack. "Declare GW M\overline{N} type integer and GW MAX type integer. gw min = 1 and gw max = p pack.
26
27
                                      " ( Where P PACK is the package size )
28 🖨
       While GW MIN <= GW TOTAL.
29
        APPEND LINES OF qt headerid qlobal FROM qw min TO qw max TO qt headerid pack[].
                                      "(The internal table of headerid pack[} will now have the number
30 ₺
                                      "of records equal to package size.)
31
32
        Perform Processing." In this perform processing we have the core processing logic
33
                           " and this will be called for each package ).
34
        gw min = gw max + 1. gw max = gw max + p pack.
35
        Endwhile.
36
       Endfunction.
```

Figure 7.11 Pseudocode for the Function Module of Custom PPF (Page 375)

```
8 ☐ If P MAIN = 'X'. "indicates that this is parent processing
     Select the HeaderIDs as per the selection criteria into table qt header id qlobal[].
10 Endif.
11
12 If p main = space or p interval = 1 or schedule Jobs = Space. "this condition check indicates that the processing
13 ⊢
                                                                  "has come via child job or the user wants to run the
14
                                                                  "program as a single execution as P INTERVAL = 1 and
15
                                                                  "no child jobs to be created as Schedule Jobs = Space
16
      PERFORM processing package. "Where we have the call to the function module 'ZRAR REPROCESS CORE' for processing.
17
18
       PERFORM group child jobs.
                                  "To schedule the child jobs, we need to calculate how many child jobs needs to be
19 □
                                  "scheduled. This is done by the No Of Intervals parameter on the screen. This will
20
                                  "tell you the number of child jobs the user is expecting to schedule.
21
      DESCRIBE TABLE of header id global LINES lv total. "get the total number of HeaderIDs selected
22
       gw count = ceil( lv total / p intvl ). "GW COUNT Gives the number of jobs that will be scheduled
23
       qw min = 1 . qw max = qw count.
                                            "Declare two variables gw min and GW MAX and initialize them as shown.
24
25 □
       WHILE gw min LE lv total .
26
       Read table GT HEADER ID GLOBAL into DATA(ls min) index gw min.
27
       Read table GT HEADER ID GLOBAL into DATA(ls max) index gw max.
28
         " Populate the select-option SO HDID[] which is a hidden select option on screen with the range of
29
         " HeaderID between GW MIN and GW MAX and append it, so SO HDID[] will have the HEADERID or
30
         " range of headerIDs for the child job then populate all other selection criteria and make
31
         " sure we clear the P MAIN and prepare the internal table IT VARI which is the internal table
32
         " to be used for submitting to the same program w ith all the selection screen parameters
33
         " and select options and all other selection screen details.
34
         " We get the range of HeaderIDs for the current child job. Schedule the child job.
35
36
        Call Function 'JOB OPEN'.
37
        SUBMIT (sy-repid) WITH SELECTION-TABLE it vari VIA JOB lv taskname
38
                NUMBER ly jobcount AND RETURN. We submit to the same program.
39
        Call function 'JOB CLOSE'. "we will have to provide the Target Server group which we created
40
                                   " TARGETG GROUP = 'Job Server1'. This is where we use the Job server group that
41
                                   "we created above to gro up the application server instances. This helps to
42
                                   "distribute the jobs across different application server instances.
43
        call function 'SHOW JOBSTATE'." this is to check so that the parent job checks the completion of all the
44
                                      "child jobs and then exits only when all the child jobs processing is completed.
45
                                      "Then we again continue with the next set of headerId ranges to create next child job
46
                                      "by incrementing the GW MIN and GW MAX.
47
        GW MIN = GW MAX . GW MAX = qw max + qw count .
48
49
        ENDWHILE.
```

Figure 7.13 Pseudocode for the Main Program of the Custom PPF (Page 377)