

SAP SD-Based Customer Cash Discount Postings and Clearing Account Handling

Saurabh Jain
 Cleveland, OH

Arvind Napa
 Kansas City, KS

Abstract— One of the functionalities in customer billing is calculation of cash discount at the time of billing. At the time of billing SAP reads payment terms from customer master data using condition. The system reads discount percentage and calculates cash discount amount in billing document. Billing documents when posted creates accounting entries. A cash discount is given to customers for making payment within the due date. Therefore, the nature of customer cash discount is contingent liability. To show contingent liability towards the cash discount some clients may want to post cash discount to an accrual account and clear the same at the time of customer receipt. However, when customers do not make payment within dates, the system does not automatically reverse the accrued cash discount. This white paper shows how a report can be generated to find out the amount to be reversed/cleared for claimed/unclaimed cash discount.

Keywords – SAP, S/4 HANA, ECC, cash discount clearing, SKTO

Configuration Steps For Activating Customer Cash Discount Accrual.

1. Condition type SKTO is assigned to account key in pricing procedure (V/08). SKTO reads discount percentage and calculates cash discount amount in billing documents. SKTO is a statistical condition and therefore is only for information purposes.
2. SKTO has account key that has account determination in VKOA for posting to expense account and accrual account.
3. You have to make sure that accrual account in VKOA is same as Cash discount account assigned in T-Code OBXI. It has to be an OI managed balance sheet account.

Item Detail										Item Partners		Conditions		For Trade/Customs		Item Texts		PO Data	
Qty	42,500.00	LB	Net	67,575.00	USD														
Tax				0.00															
Pricing Elements																			
N. (In) Ty Name	Amount	Ctry	per	U...	Condition value	Curr.	Status Num...	OUn	CCOn...	Uni									
<input checked="" type="checkbox"/> ZB60 [Pricing]	1.59	USD	1LB		07,575.00	USD		E TO		17,637LB									
(Gross Value)	1.59	USD	1LB		67,575.00	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> ZVVA Temp Voluntary/Allow	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
Total Discounts	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> ZZ11_LTL Upcharge	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> ZBZC Misc Charges	0.00	USD			0.00	USD		O		0									
Total Surcharges	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
Rebate Basis	1.59	USD	1LB		67,575.00	USD		E TO		17,637LB									
Net Value for Item	1.59	USD	1LB		67,575.00	USD		E TO		17,637LB									
Net Value 2	1.59	USD	1LB		67,575.00	USD		E TO		17,637LB									
Total Rebates	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
Total Commissions	0.00	USD	1LB		0.00	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> JR1 Tax Jur Code Level 1	0.000	%			0.00	USD		O		0									
<input checked="" type="checkbox"/> JR2 Tax Jur Code Level 2	0.000	%			0.00	USD		O		0									
<input checked="" type="checkbox"/> JR3 Tax Jur Code Level 3	0.000	%			0.00	USD		O		0									
<input checked="" type="checkbox"/> JR4 Tax Jur Code Level 4	0.000	%			0.00	USD		O		0									
Total	1.59	USD	1LB		67,575.00	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> ZB70 Cash Discount	1.000	-%			675.75	USD		O		0									
<input checked="" type="checkbox"/> VVRS Internal price	1.22	USD	1LB		51,974.07	USD		E TO		17,637LB									
Profit Margin	0.37	USD	1LB		15,600.93	USD		E TO		17,637LB									
<input checked="" type="checkbox"/> ZCER [CER]	2.00	USD	1TO		36.56	USD		1TO		1TO									

Journal entry at the time of billing will be:

Dr. Customer	67,575.00
Dr. Disc. Exp. A/C (from VKOA)	675.75
Cr. Revenue A/C	67,575.00-
Cr. Disc Acc A/C (from VKOA – as accrual)	675.75-

The discount is recognized immediately as expense assuming that customer will pay in time. Credit with same amount goes to an accrual account.

If customer pays in time, entry at the time of payment –

Dr. Checks/Wires in	66,899.25
Dr. Disc Acc A/C (assigned in OBXI)	
675.75	

Cr. Customer 67,575.00 –

Amount in discount accrual account will always represent liability of the company towards cash discount. The client can accurately show its contingent liability towards an unclaimed cash discount. Accrual account works as clearing account and therefore we can track cash discount right from billing to payment.

However, there is a problem in this approach. All customers not always pay within due date. In that case the customer will pay full amount and at the time of payment discount accrual account will not be debited.

In that case the customer will not be able to claim the discount and will pay the full amount and receipt entry should go as shown below:

Dr. Checks/Wires in	67,575.00
Cr. Customer	67,575.00 –

Since the original discount amount is posted in expense account and accrual account, it needs to be reversed as well. So next entry to complete this should be –

Dr. Discount Accrual A/C	675.75
Cr. Discount Expense A/C	675.75 –

Above entry SAP does not post automatically and identifying line item to be reversed manually is a tedious task due to large number of entries in accrual account.

Basically at a time line items in accrual accounts can be divided into 3 categories:

Cat. 1 – Lines that represent unclaimed discount where customer can make payment within time and claim the discount. Ideally only these lines should remain in accrual account.

Cat. 2 – Credit amount at the time of billing and debit line items for on time payment. Ideally these line items should be cleared. In case these lines are not cleared it will represent a cluttered clearing account, however clearing such account is not an easy task because there are no common fields between credit amount and debit amount.

Cat. 3 – Credit amount at the time of billing where payment is not made on time. Ideally these entries should be reversed against discount expense account and cleared in accrual account.

If lines under category 2 and category 3 are not cleared and accrual account is not maintained it will be difficult to ascertain correct amount of liability towards cash discount. To identify and clear lines under category 2 and 3 in accrual account we can develop 2 custom reports. One report will show line items where customer paid in time and lines should be cleared and other report will show where customer failed to pay in time and line items can be reversed.

Report 1 – Clearing Information For Accrual Account (Customer Paid In Time):

When customer line items are cleared and discount is automatically posted, that document becomes clearing document for customer billing line item and payment document. It holds good when billing line is cleared at the time of booking payment (where payment document = clearing document) or when billing line and payment lines are cleared later like in case of Lockbox processing (where payment document \leftrightarrow clearing document).

See example below:

Typically this is how a customer account looks after customer has made on time payment.

RV line shows – Billing,

DZ – Incoming payment and

AB – Clearing document (that posts allowable discount as well)

Customer Account: 100099 in company code 1100.

Acc. Doc	F. Year	Description	P. Date	Amt in LC	LC	D Typ	Clrng doc.
90029409	2013	XYZ Customer	6/10/2013	67,575.00	USD	RV	100118364
1400004854	2013	XYZ Customer	6/24/2013	66,899.25-	USD	DZ	100118364
100118364	2013	XYZ Customer	6/24/2013	675.75-	USD	AB	100118364

Accrual account after above postings. Please note that both lines are open as of now. Accrual account 120021 in company code 1100 -

Acc. Doc	F. Year	Description	P. Date	Amt in LC	LC	D Typ	Clrng doc.
90029409	2013	Disc Acc A/C	6/10/2013	675.75-	USD	RV	
100118364	2013	Disc Acc A/C	6/24/2013	675.75	USD	AB	

If you observe in customer account that accounting document in the line where discount is posted is same as clearing document. We need to establish link between Billing document 90029409 and clearing document 100118364. This can be achieved using 2 tables i.e. BSIS and BSAD.

Please see below –

If we input following information in table BSIS we should get line item from document 100118364 along with other lines but for simplicity I am showing on line from document # 100118364.

Input:

Company Code (BSIS-BUKRS)

Accrual Account (BSIS-HKONT)

Posting Date (BSIS-BUDAT)

Table		BSIS	Accounting: Secondary Index for G/L Accounts		
Text table			No texts		
Layout					
Maximum no. of hits		500	Maintain entries		
Fld name	O. Fr.Value	To value	More	Output	Technical name
Client	1100				MANDT
Company Code	120021				BUKRS
G/L					HKONT
Clearing					AUGDT
Clrng doc.					AUGBL
Assignment					ZUONR
Fiscal Year					GJAHR
Document Number					BELNR
Line item					BUZEI
Posting Date	06/24/2013				BUDAT
Document Date					BLDAT

Output:

Table to be searched		BSIS	Accounting: Secondary Index for G/L Accounts										
Number of hits		8	Maximum no. of hits										
Runtime		0											
CoCodes G/L Account	Clearing Clrng doc. Assig	Year Document	Itm	Posting Date	Doc. Date	Ocny	Type	Perf.	PK	D/C	Amount LC	Amount	
1100	0000120021	2013	0100118364	1	06/24/2013	06/24/2013	USD	AB	6	40	S	675.75	675.75

If we use above information to join with fields in table BSAD we should be able to get billing document number and clearing document number:

Joining condition between table BSIS and BSAD should be:

BSIS-BELNR = BSAD-AUGBL

BSIS-BUDAT = BSAD-AUGDT

BSIS-BUKRS = BSAD-BUKRS

Input:

General Table Display

Background Number of Entries All Entries More

Table **BSAD** Accounting: Secondary Index for Customers (Cleared Items)

Text table Layout

Maximum no. of hits 500 Maintain entries

Selection Criteria

Field name	0. Fr. Value	To value	More	Output	Technical
Client					MANDT
Company Code	1100				BUKRS
Customer					KUNNR
Transact.type					UMSKS
Special G/L ind					UMSKZ
Clearing	06/24/2013				AUGDT
Cling doc.	100118364				AUGBL
Assignment					ZUONR

Output:

Display of Entries Found

Table to be searched **BSAD** Accounting: Secondary Index for Customers (Cleared Items)

Number of hits 3 Maximum no. of hits 500

CoCode	Customer	Clearing date	Cling doc.	Year	Documentno	Item	Posting Date	Cur	Type	D/C	BusA	Tx	Amount LC	Amount	Cash Discount Amount
1100	0000100099	06/24/2013	100118364	2013	090029409	1	06/24/2013	USD	RV	S	67,575.00	67,575.00	67,575.00	67,575.00	67,575.00
1100	0000100099	06/24/2013	100118364	2013	0100118364	2	06/24/2013	USD	AB	H	675.75	675.75	675.75	675.75	675.75
1100	0000100099	06/24/2013	100118364	2013	1400004854	2	06/24/2013	USD	DZ	H	66,899.25	66,899.25	0.00	0.00	0.00

You will observe that you will get Billing document - 90029409, Payment document - 100118364 and Clearing document - 1400004854.

By subtotaling field BSAD-SKNT0 and BSAD-WSKTO on clearing document you can have zero for cash discount amount (you will have to make them +ive or -ive by using field SHKZG). If your total is zero these accounting documents can be cleared. If total is not zero it means that customer paid amount after due date and therefore not claimed discount. Such discount needs to be reversed against expense account.

We can have a nice custom report to show above output:

Cash Clearing info

Cash Clearing Info

DocID	Documentno	Doc	Posting Date	Doc. Date	Reference	D/C	Amount in LC	Cur	Amount	Doc	Customer	DocID	Type	CD	Ant BC	CD	Ant LC
120021	100118364	120021	06/24/2013	06/24/2013		S	675.75	675.75	675.75	USD	900029409	100099	1100	RV	675.75	675.75	675.75
120021	100118364	120021	06/24/2013	06/24/2013		S	675.75	675.75	675.75	USD	100118364	100099	1100	AB	675.75	675.75	675.75
120021	100118364	120021	06/24/2013	06/24/2013		S	675.75	675.75	675.75	USD	1400004854	100099	1100	DZ	0.00	0.00	0.00
							2,027.25		2,027.25	USD					0.00	0.00	0.00
									2,027.25	USD					0.00	0.00	0.00

Again, clearing above lines is a manual task, however a custom program can be further extended to update assignment field in selected line items based on same clearing document number. Based on assignment field a match-code can be configured for automatic clearing of Discount Accrual account.

Selection screen for the above report will look as shown below:

Cash Clearing info

Report-specific selections

Company Code	1100	to	
Accounting Document	100118364	to	
GL Account	120021	to	

Output specification

Layout

Follow the steps below to develop a query report:

1. Create InfoSet (SQ02) by joining tables BSIS and BSAD as shown below:

InfoSet

2. Query will show duplicates in its output; you will have to insert following code to remove duplicate:

Display InfoSet ZPTM_CASH_CLR_INFO

Data fields

- Join
 - Accounting: Secondary Index for G/L Accounts (BSIS)
 - Accounting: Secondary Index for Customers (Cleared Items) (BSAD)
 - Additional fields

Code Section DATA

Display InfoSet ZPTM_CASH_CLR_INFO

Data fields

- Join
 - Accounting: Secondary Index for G/L Accounts (BSIS)
 - Accounting: Secondary Index for Customers (Cleared Items) (BSAD)
 - Additional fields

Sequence

Name	Type	Description
0 <Code>	Code	
1 E BELNR	Addnl Field	Document No

3. To show amount according to +/- sign you will need 2 'Local Fields' – One for document currency amount and one for local currency amount.

Display Query ZPTM_CASH_CLR: Field Selection

Basic List Statistics Ranked List

Fields		
	Short name	Local
Accounting: Secondary Index for G/L Accounts		
<input type="checkbox"/> Document Number of the Clearing Document		
<input checked="" type="checkbox"/> General Ledger Account	BSIS_HKONT	
<input checked="" type="checkbox"/> Company Code	BSIS_BUKRS	
<input type="checkbox"/> Text:Company Code		
<input type="checkbox"/> Fiscal Year		
<input checked="" type="checkbox"/> Accounting Document Number	BSIS_BELNR	
<input checked="" type="checkbox"/> Posting Date in the Document	BSIS_BUDAT	
<input checked="" type="checkbox"/> Document Date in Document	BSIS_BLDAT	
<input checked="" type="checkbox"/> Currency Key	BSIS_WAERS	
<input type="checkbox"/> Text:Currency Key		
<input checked="" type="checkbox"/> Reference Document Number	BSIS_XBLNR	
<input checked="" type="checkbox"/> Document Type	BSIS_BLART	
<input type="checkbox"/> Text:Document Type		
<input checked="" type="checkbox"/> Debit/Credit Indicator	BSIS_SHKZG	
<input type="checkbox"/> Text:Debit/Credit Indicator		
<input checked="" type="checkbox"/> Amount in Local Currency	BSIS_DMBTR	
<input checked="" type="checkbox"/> Amount in Document Currency	BSIS_WRBTR	
<input type="checkbox"/> Amount in Second Local Currency		
Accounting: Secondary Index for Customers (Clearing)		
<input checked="" type="checkbox"/> Document Type	BSAD_BLART	
<input type="checkbox"/> Text:Document Type		
<input checked="" type="checkbox"/> Company Code	BSAD_BUKRS	
<input type="checkbox"/> Text:Company Code		
<input checked="" type="checkbox"/> Customer Number	BSAD_KUNNR	
<input type="checkbox"/> Text:Customer Number		
<input checked="" type="checkbox"/> Accounting Document Number	BSAD_BELNR	
<input checked="" type="checkbox"/> Clearing Date	BSAD_AUGDT	
<input checked="" type="checkbox"/> Document Number of the Clearing Document	BSAD_AUGBL	
<input checked="" type="checkbox"/> Fiscal Year	BSAD_GJAHR	
<input type="checkbox"/> Amount in Document Currency		

Configure Local fields as shown below:

Field definition

Short Name	ZSKNTO
Field Description	CD Amt LC
Heading	CD Amt LC
Field group	Accounting: Secondary Index
Properties	
<input type="radio"/> Same attributes as field	
<input type="radio"/> Text field	No. of Characters
<input checked="" type="radio"/> Calculation field	Number of Digits 13
<input type="radio"/> Date Field	Decimal Places 2
<input type="radio"/> Time Field	
<input type="radio"/> Symbol	
<input type="radio"/> Icon	
Calculation Formula	
<input checked="" type="radio"/> BSAD_SKNTO * -1	
Condition	BSAD_BLART = 'RV' AND BSIS_SHKZG = 'S'
<input type="radio"/> Input on Selection Screen	<input type="checkbox"/> Mandatory
Complex calculation	

Field definition

Short Name	ZWSKTO
Field Description	CD Amt DC
Heading	CD Amt DC
Field group	Accounting: Secondary Index
Properties	
<input type="radio"/> Same attributes as field	
<input type="radio"/> Text field	No. of Characters
<input checked="" type="radio"/> Calculation field	Number of Digits
<input type="radio"/> Date Field	Decimal Places
<input type="radio"/> Time Field	
<input type="radio"/> Symbol	
<input type="radio"/> Icon	
Calculation Formula	
<input checked="" type="radio"/> BSAD_WSKTO * -1	
Condition	BSAD_BLART = 'RV' AND BSIS_SHKZG = 'S'
<input type="radio"/> Input on Selection Screen	<input type="checkbox"/> Mandatory
Complex calculation	

Display Query ZPTM_CASH_CLR: Field Selection

Basic List Statistics Ranked List

Fields		
	Short name	Local
<input type="checkbox"/> Amount in Local Currency		
<input checked="" type="checkbox"/> Cash Discount Amount in Local Currency	BSAD_SKNTO	
<input checked="" type="checkbox"/> Cash Discount Amount in Document Currency	BSAD_WSKTO	
<input checked="" type="checkbox"/> CD Amt DC	ZWSKTO	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CD Amt LC	ZSKNTO	<input checked="" type="checkbox"/>

Layout for the report can be designed as shown below:

Query ZPTM_CASH_CLR layout design

Test Ruler All tools on/off Header Footer Node assignment

Data fields

	List ...	Sele...	Technical Name
Table join	15	3	
Accounting: Sec	9	3	BS1S
• Document Num	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-AUGBL
• General Ledger	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BS1S-HKONT
• Company Code	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BS1S-BUKRS
• Fiscal Year	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-GJAHR
• Accounting Doc	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BS1S-BELNR
• Posting Date in	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-BUDAT
• Document Date	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-BLDAT
• Currency Key	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-XBLNR
• Reference Docu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BS1S-XBLNR
• Document Type	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-BLART
• Debit/Credit Ind	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BS1S-SHKZG
• Amount in Local	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-DMBTR
• Amount in Docu	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-WRBTR
• Amount in Seco	<input type="checkbox"/>	<input type="checkbox"/>	BS1S-DMB2
Accounting: Sec	4	0	BSAD
• Document Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BSAD-BLART
• Company Code	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BSAD-BUKRS
• Customer Numb	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-KUNNR
• Accounting Doc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BSAD-BELNR
• Clearing Date	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-AUGDT
• Document Num	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-AUGBL
• Fiscal Year	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-GJAHR
• Amount in Docu	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-WRBTR
• Amount in Local	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-DMBTR
• Cash Discount A	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-SKNT0
• Cash Discount A	<input type="checkbox"/>	<input type="checkbox"/>	BSAD-WSKTD
Additional Fields	0	0	---
Local additional f	2	0	
• CD Amt DC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	%Z_0001
• CD Amt LC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	%Z_0022

Sort fields

Accounting Docum

Totaling fields

Amount in Local
Amount in Docume
CD Amt DC
CD Amt LC

Report 2 – Report To Reverse Expired Discount (Customer Not Paid Yet And Discount Expired):

For invoices where the customer has not made payment in time entry for discount should be reversed. Example –

Dr. Discount Accrual A/C	675.75
Cr. Discount Expense A/C	675.75-

Above entry SAP does not post automatically and identifying line item to be reversed manually is a tedious task due to the large number of entries in accrual account.

A report can be developed to identify each customer line where discount is available as per the billing document. This report can show whether individual lines can be reversed or no.

Cash Discount Reversal Calculation

Cash Discount Reversal Calculation

CoCd	Customer	Year	Document..	Pstng Date	Doc. Date	Doc. Type	Amount	Crcy	Bline Date	PayT	Da..	Da..	Disc.1	Disc.2	Discount ba..	Crcy	Σ Rev. A..	Days Ovverd..	Can be rev..
1100	100044	2014	90046880	04/28/2014	04/28/2014	RV	49,427.7..	USD	04/28/2014	ZB60	60	0	1.000	0.000	49,427.74	USD	494.28	437	█
1100	100044	2014	90047980	05/16/2014	05/16/2014	RV	49,427.7..	USD	07/09/2015	ZB60	60	0	0.000	0.000	49,427.74	USD	0.00	0	█
1100	100044	2014	90049266	06/02/2014	06/02/2014	RV	49,427.7..	USD	06/02/2014	ZB60	60	0	0.000	0.000	49,427.74	USD	0.00	402	█
																494.28			

In the above report the last column shows traffic lights, red light means line cannot be reversed, green light means amount can be reversed. On the date of executing report total of all amounts under green light can be reversed and cleared against individual lines.

From table BSID (Customer open line items) for lines generated using document type 'RV' (SD Billing) program will check whether on the date of execution line item is overdue or not.

Example –

Payment terms - 60 days, discount percentage = 1%.

Baseline date is 04/28/2014; Run Date is 08/10/2014; Days overdue = 104 which is more than 60 days and therefore customer is not eligible for discount. Therefore, for this line green light should be indicated and amount can be reversed.

In my example I compared days overdue with value in the BSAD-ZBD1T field (i.e. highest number of days any discount is available). The amount to be reversed will be calculated as a local field by multiplying discount percentage with discount base.

Selection screen for above report –

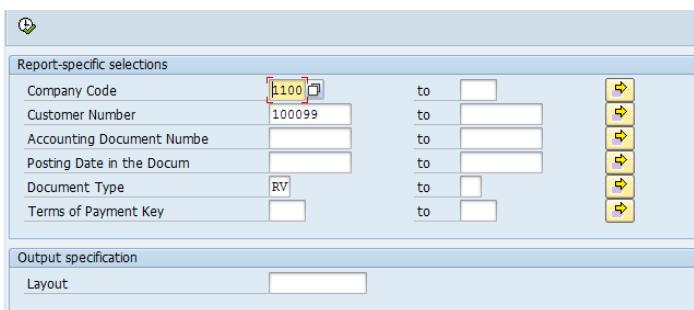


Table BSID has all the relevant information to generate this report. You can use query shown below to produce above shown report –

InfoSet (SQ02)

You will need 3 local fields in this report –

Days Overdue, Reversal Amount and Traffic light indicator.

Display Query ZPTM_CASH_REV: Field Selection

Basic List Statistics Ranked List

Fields

	Short name	Local
Accounting: Secondary Index for Customers		
<input checked="" type="checkbox"/> Company Code	BUKRS	
<input checked="" type="checkbox"/> Customer Number	KUNNR	
<input checked="" type="checkbox"/> Clearing Date	AUGDT	
<input checked="" type="checkbox"/> Document Number of the Clearing Document	AUGBL	
<input checked="" type="checkbox"/> Fiscal Year	GJAHRR	
<input checked="" type="checkbox"/> Accounting Document Number	BELNR	
<input checked="" type="checkbox"/> Number of Line Item Within Accounting Document	BUZEI	
<input checked="" type="checkbox"/> Posting Date in the Document	BUDAT	
<input checked="" type="checkbox"/> Document Date in Document	BLDAT	
<input checked="" type="checkbox"/> Currency Key	WAERS	
<input checked="" type="checkbox"/> Document Type	BLART	
<input checked="" type="checkbox"/> Amount in Local Currency	DMBTR	
<input checked="" type="checkbox"/> Amount in Document Currency	WRBTR	
<input checked="" type="checkbox"/> Baseline Date for Due Date Calculation	ZFBDT	
<input checked="" type="checkbox"/> Terms of Payment Key	ZTERM	
<input checked="" type="checkbox"/> Cash Discount Days 1	ZBD1T	
<input checked="" type="checkbox"/> Cash Discount Days 2	ZBD2T	
<input checked="" type="checkbox"/> Cash Discount Percentage 1	ZBD1P	
<input checked="" type="checkbox"/> Cash Discount Percentage 2	ZBD2P	
<input checked="" type="checkbox"/> Amount Eligible for Cash Discount in Document C...	SKFBT	
<input checked="" type="checkbox"/> Days Overdue	ZDPDUE	
<input checked="" type="checkbox"/> Reversal Amount	REVAMT	
<input checked="" type="checkbox"/> Can be reversed?	XREVR	

Local fields should have calculation steps as shown below –

ZDPDUE - Days overdue

Formula – Run date (variable %DATE) – Baseline date (BSAD-ZFBDT)

Field definition

Short Name	ZDPDUE
Field Description	Days Overdue
Heading	Days Overdue
Field group	Accounting: Secondary Index

Properties

- Same attributes as field
- Text field
- Calculation field
- Date Field
- Time Field
- Symbol
- Icon

Calculation Formula

%DATE - ZFBDT

Condition

Input on Selection Screen Mandatory

Complex calculation

REVAMT - Reversal Amount

Formula – BSAD-SKFBT (Discount base) * (BSAD-ZBD1P (Disc. Percent 1)/100)

Field definition

Short Name	REVAMT
Field Description	Reversal Amount
Heading	Rev. Amt.
Field group	Accounting: Secondary Index...
Properties <ul style="list-style-type: none"> <input type="radio"/> Same attributes as field <input type="radio"/> Text field No. of Characters <input checked="" type="radio"/> Calculation field Number of Digits 13 Decimal Places 2 <input type="radio"/> Date Field <input type="radio"/> Time Field <input type="radio"/> Symbol <input type="radio"/> Icon 	
Calculation Formula <ul style="list-style-type: none"> <input checked="" type="radio"/> $SKFBT * (ZBD1P/100)$ Condition <input type="checkbox"/> Input on Selection Screen <input type="checkbox"/> Mandatory 	

Complex calculation

XREVRS - Can be reversed?

Formula –

If BSAD-ZBD2T (Days 2) \neq 0 AND BSAD-ZBD2T < ZDPDUE then green light. (If value in field days 2 exist then compare it with ZDPDUE)

If BSAD-ZBD2T (Days 2) = 0 AND BSAD-ZBD1T < ZDPDUE then green light. (If value in field days 2 is 0 then compare field ZBD1T with ZDPDUE)

Else, red light

Field definition

Short Name	XREVRS
Field Description	Can be reversed?
Heading	Can be reversed?
Field group	Accounting: Secondary Index...
Properties <ul style="list-style-type: none"> <input type="radio"/> Same attributes as field <input type="radio"/> Text field No. of Characters <input type="radio"/> Calculation field Number of Digits Decimal Places <input type="radio"/> Date Field <input type="radio"/> Time Field <input type="radio"/> Symbol <input checked="" type="radio"/> Icon 	
Calculation Formula <ul style="list-style-type: none"> <input checked="" type="radio"/> $ICON_LED_GREEN$ Condition $ZBD2T \neq 0 \text{ AND } ZBD2T < ZDPDUE$ <input type="checkbox"/> Input on Selection Screen <input type="checkbox"/> Mandatory 	

Complex calculation

Define Field: Complex Calculation

Condition $ZBD2T \neq 0 \text{ AND } ZBD2T < ZDPDUE$	Formula $ICON_LED_GREEN$
Condition $ZBD2T = 0 \text{ AND } ZBD1T < ZDPDUE$	Formula $ICON_LED_GREEN$
Condition	Formula
otherwise	$ICON_LED_RED$

Complex calculation

$+, -, *, /, DIV, MOD, (,), [...], NAME, DATE, TIME$
 $=, <, >, <>, <=, >=, AND, OR, NOT$
 $SYM..., ICON...$

With the help of the above 2 reports, the user should be able to maintain the discount accrual account, also he/she should be able to show the discount accrual amount correctly.

CONCLUSION

Clearing accounts if not maintained properly for a long period can accumulate values that cannot be reconciled later. 'Customer cash discount account' is one such account. In the absence of standard functionality to maintain this account, the steps shown above can greatly reduce manual effort of account maintenance. The report shown above can analyze historical data and suggest amount that should be cleared/reversed.