

# FB01 – Document Posting (Posting keys - 40, 50, 31, 01)

FB01 is used to post document.

Based on posting keys, the screens differ & thus the recording.

Here we will look in detail:

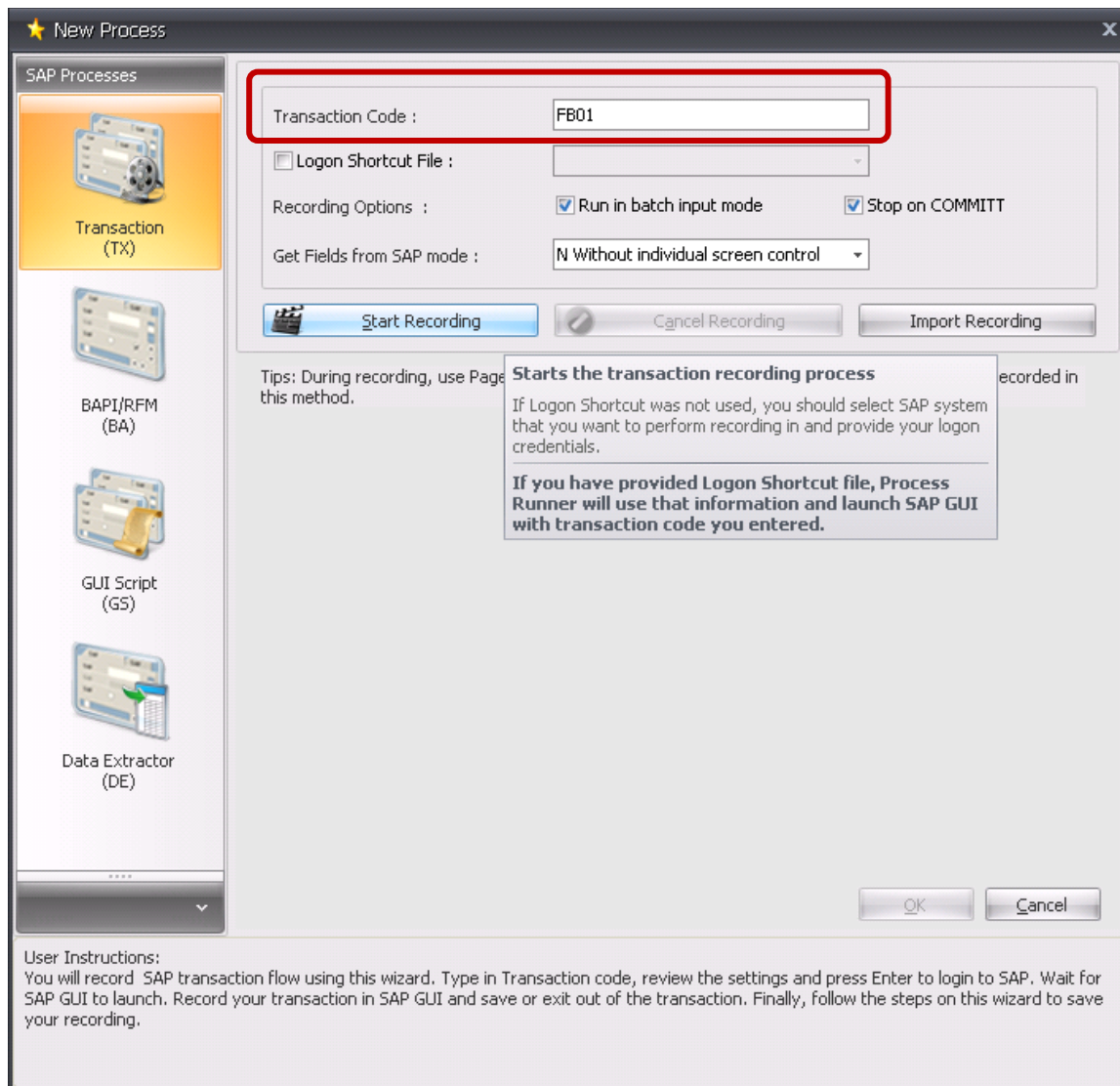
1. FB01 recording using Process Runner.
2. Mapper Settings – Deactivating repeating fields for inserting loop.
3. Custom DS to suppress screens based on a particular posting key.
4. Run and Validation

Consider the below example document file that we would like to post.

	B	C	D	E	F	G	H	I	J	K	L	M	N
	Document type	Company Code	Date in the Fiscal Document period	Currency Key	Reference Number	Document Header Text	Posting Key for the Next Line Item	Posting Matchcode for the Next Line Item	Amount in document currency	Tax Code	Item Text	Cost Center	
1	sa	1000	3/3/2006	3 EUR	ref01	doc hdr txt	40	473000	10 V0		line itm txt 1	1110	
3							31	1121	10 **				
4							01	300619	10 **				
5							50	473000	10 V0			1110	
7	sa	1000	3/3/2006	3 EUR	ref01	doc hdr txt	40	473000	10 V0		line itm txt 1	1110	
8							31	1121	10 **				
9							01	300619	10 **				
10							50	473000	10 V0			1110	

## 1. FB01 recording using Process Runner

Launch New Process wizard & enter FB01 in transaction.



Click on Start recording & enter SAP login credentials when required.

Enter the relevant fields as required in the document file & click on **Fast Data Entry** (\*\*we will see why we click on Fast Data Entry).

The screenshot shows the SAP 'Post Document: Header Data' interface. At the top, there is a menu bar with 'Document', 'Edit', 'Goto', 'Extras', 'Settings', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main title is 'Post Document: Header Data'. Below the title, there are several buttons: 'Held document', 'Acct model', 'Fast Data Entry' (highlighted with a red box), 'Post with reference', and 'Editing Options'. The main data entry area is enclosed in a red box and contains the following fields:

Document Date	3/3/2006	Type	sa	Company Code	1000
Posting Date	3/3/2006	Period	3	Currency/Rate	EUR
Document Number		Ledger Grp		Translatn Date	
Reference	ref01			Cross-CC no.	
Doc.Header Text	doc hdr txt			Branch number	
Trading part.BA				Number of Pages	

Below the main data entry area, there is a 'Request Number' field. Further down, there is a 'Document origin details' section with the following fields:

Reference Transact.	
Reference Key	
Logical System	

Below that is a 'Batch input barcode entry' section with the following fields:

Document type	*	Doc. ID	
Reference Doc.			

Finally, there is a 'First line item' section with the following fields:

PstKy		Account		SGL Ind		TType	
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Now click on Display Overview icon indicated below.

The screenshot shows the SAP interface for 'Enter G/L account document: Add G/L account items'. The menu bar includes Document, Edit, Goto, Extras, Settings, Environment, System, and Help. The toolbar contains various icons for navigation and actions. The main area features a header with 'Company Code' set to '1000 IDES AG' and a 'Calculate tax' checkbox. Below this is a table titled 'G/L account items' with columns for PK, Account, Amount, EUR, Tx, BusA, Cost Ctr, Order, and CoCd. The first row is highlighted in yellow. At the bottom, there is a section for 'Other line items' with fields for PstKy, Account, SGL Ind, TType, and New co.code.

\*\* We want to insert loop & therefore we need to return back every time at one particular screen that accepts posting keys.

Here Display Overview is the screen in which we will need to enter posting keys.

As there was no Display overview option in **Post Document – Header Data** we need to make a round trip & click on Fast Data Entry & then from there click on Display Overview option.

Following steps will show the Display overview screen & how we enter different posting keys.

Recording for Posting Key 40:

Once we are in the Display Overview screen we will enter Posting Key & account number as shown below & then hit **ENTER**.

The screenshot displays the SAP 'Enter G/L account document: Display Overview' screen. The interface includes a menu bar (Document, Edit, Goto, Extras, Settings, Environment, System, Help) and a toolbar with various icons. The main area contains several input fields for document details:

Document Date	03/03/2006	Type	SA	Company Code	1000
Posting Date	03/03/2006	Period	3	Currency	EUR
Document Number	INTERNAL	Fiscal Year	2006	Translatn Date	03/03/2006
Ledger Grp					
Reference	REF01			Cross-CC no.	
Doc.Header Text	doc hdr txt			Trading part.BA	
Branch number				Number of Pages	

Below these fields is a section titled 'Items in document currency' with columns for PK, BusA, Acct, EUR, Amount, and Tax amnt. At the bottom of this section, it shows 'D 0.00', 'C 0.00', '0.00', and '0 Line items'.

The 'Other line item' section is highlighted with a red box and contains the following fields:

PstKy	40	Account	476000	Ind		TType		New co.code	
-------	----	---------	--------	-----	--	-------	--	-------------	--

Enter Amount, Tax Code and Text & click on Display Overview button as shown below.

Document Edit Goto Extras Settings Environment System Help

Enter G/L account document: Add G/L account item

More data Acct model Fast Data Entry Taxes

G/L Account 476000 Office supplies  
Company Code 1000 IDES AG

Item 1 / Debit entry / 40

Amount 10 EUR  
Tax Code V0

Calculate tax

More

Quantity  
Due on

Assignment

Text Line 1

Next Line Item

PstKy Account SQL Ind TType New co.code

Enter Cost Center & hit **ENTER**.

**Coding Block**

Business Area	<input type="text"/>	Trdg part.BA	<input type="text"/>
Cost Center	1000		
Order	<input type="text"/>		
Profit Center	<input type="text"/>	Partner PC	<input type="text"/>
		Profit. Segment	<input type="text"/> <input type="checkbox"/> Details
WBS Element	<input type="text"/>	Network	<input type="text"/>
Personnel No.	<input type="text"/>		
Functional Area	<input type="text"/>		
		Commitment Item	1216
Earmarked Funds	<input type="text"/>		
Sales Order	<input type="text"/>		
Material	<input type="text"/>	Plant	<input type="text"/>
		Real Estate Obj	<input type="text"/> <input type="checkbox"/> Details

**Fields for Batch Input (Old Format)**

WBS Element	<input type="text"/>
Commitment Item	1216

User Field 1       Ownr/Cntr

Vein       Location

State/Prov

Clicking on Display Overview will take you back to the initial screen.

Recording for posting key 31:

Once in Display Overview screen enter Posting key, account & press **ENTER** as shown below.

The screenshot displays the SAP 'Enter G/L account document: Display Overview' screen. The top menu bar includes 'Document', 'Edit', 'Goto', 'Extras', 'Settings', 'Environment', 'System', and 'Help'. The SAP logo is visible in the top right corner. Below the menu bar, there are several icons for navigation and actions.

The main content area is titled 'Enter G/L account document: Display Overview'. It contains several input fields and buttons:

- Buttons: Display Currency, Park document, Acct model, Fast Data Entry, Taxes
- Document Date: 03/03/2006
- Posting Date: 03/03/2006
- Document Number: INTERNAL
- Ledger Grp: [Empty]
- Reference: REF01
- Doc.Header Text: doc hdr txt
- Branch number: [Empty]
- Type: SA
- Period: 3
- Fiscal Year: 2006
- Company Code: 1000
- Currency: EUR
- Translatn Date: 03/03/2006
- Cross-CC no.: [Empty]
- Trading part.BA: [Empty]
- Number of Pages: [Empty]

Below these fields is a table titled 'Items in document currency':

PK	BusA	Acct	EUR	Amount	Tax amnt	
001	40	9900 0000476000		Office supplies	10.00	V0

At the bottom of the screen, there is an 'Other line item' section, which is highlighted with a red box. It contains the following fields:

- PstKy: 31
- Account: 1121
- GL Ind: [Empty]
- TType: [Empty]
- New co.code: [Empty]



Enter Amount, Tax code & Text & click on Display Overview button.

Document Edit Goto Extras Settings Environment System Help

### Enter G/L account document: Add Vendor item

Vendor 1121 Wagner Spenglerei & Rohrbau G/L Acc 160000  
Company Code 1000 Überdinger Str. 23  
IDES AG Freiburg

Item 2 / Invoice / 31

Amount 10 EUR Tax Code \*\*

Bus. Area  
Payt Terms ZB01 Days/percent 14 3.000 / 30 2.000 / 45  
Bline Date 03/03/2006 Fixed  
Disc. base Disc. amount  
Invoice ref. / /  
Pmnt Block Pmnt Method  
Payment cur. Pmnt/c amnt  
Assignment  
Text Line 2 Long Texts

Next line item  
PstKy Account SGL Ind TType New co.code

Net due date on 04/17/2006 is in the past

Note that it did not inquire for Cost center in this posting key.

Recording for posting key 01:

This is similar to what we did for 31.

Enter Posting key, account & hit **ENTER**.

Document Date: 03/03/2006    Type: SA    Company Code: 1000  
Posting Date: 03/03/2006    Period: 3    Currency: EUR  
Document Number: INTERNAL    Fiscal Year: 2006    Translatn Date: 03/03/2006  
Ledger Grp:    Reference: REF01    Cross-CC no.:  
Doc.Header Text: doc hdr txt    Trading part.BA:  
Branch number:    Number of Pages:

PK	BusA	Acct	EUR	Amount	Tax amnt	
001	40	9900 0000476000		Office supplies	10.00	V0
002	31	0000001121		Wagner Spenglerei &	10.00-	**

D 10.00    C 10.00    0.00 \*    2 Line items









**Other line item**  
PstKy: 01    Account: 300619    Ind:    TType:    New co.code:

Enter Amount, Tax Code, Text & click on Display Overview.

SAP



Document Edit Goto Extras Settings Environment System Help

### Enter G/L account document: Add Customer item

     More data  Acct model  Fast Data Entry  Taxes



Customer  HSA Netsolutions G/L Acc   
Company Code   
IDES AG Dresden

Item 3 / Invoice / 01

Amount	<input type="text" value="10"/>	EUR	Tax Code	<input type="text" value="**"/>	
Contract	<input type="text"/>	/	<input type="text"/>	Flow Type	<input type="text"/>
Bus. Area	<input type="text"/>				
Payt Terms	<input type="text"/>		Days/percent	<input type="text"/>	/ <input type="text"/>
Bline Date	<input type="text" value="03/03/2006"/>		Disc. amount	<input type="text"/>	
Disc. base	<input type="text"/>		Invoice ref.	<input type="text"/>	/ <input type="text"/>
Pmnt Block	<input type="text"/>		Pmt Method	<input type="text"/>	
Payment cur.	<input type="text"/>		Pmnt/c amnt	<input type="text"/>	
Payment Ref.	<input type="text"/>				
Assignment	<input type="text"/>				
Text	<input type="text" value="Line 3"/>				Long Texts

Next line item

PstKy  Account  SGL Ind  TType  New co.code

 Net due date on 03/03/2006 is in the past 

Recording for posting key 50 (exactly similar to posting key 50):

Enter relevant details for posting key as shown in the below 2 screens.

The screenshot displays the SAP 'Enter G/L account document: Display Overview' interface. The top menu bar includes 'Document', 'Edit', 'Goto', 'Extras', 'Settings', 'Environment', 'System', and 'Help'. The SAP logo is visible in the top right corner. Below the menu bar, there are several icons for document management.

The main section is titled 'Enter G/L account document: Display Overview'. It contains several buttons: 'Display Currency', 'Park document', 'Acct model', 'Fast Data Entry', and 'Taxes'.

The document details are as follows:

Document Date	03/03/2006	Type	SA	Company Code	1000
Posting Date	03/03/2006	Period	3	Currency	EUR
Document Number	INTERNAL	Fiscal Year	2006	Translatn Date	03/03/2006
Ledger Grp					
Reference	REF01			Cross-CC no.	
Doc.Header Text	doc hdr txt			Trading part.BA	
Branch number				Number of Pages	

The 'Items in document currency' table is shown below:






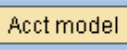

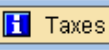
PK	BusA	Acct	EUR	Amount	Tax amnt	
001	40	9900 0000476000		Office supplies	10.00	V0
002	31	0000001121		Wagner Spenglerei &	10.00-	**
003	01	0000300619		HSA Netsolutions	10.00	**

Summary: D 20.00      C 10.00      10.00 \*      3 Line items

The 'Other line item' section at the bottom is highlighted with a red box. It contains the following fields:

PstKy	50	Account	473000	Lnd		TType		New co.code	
-------	----	---------	--------	-----	--	-------	--	-------------	--


### Enter G/L account document: Add G/L account item

     More data  Acct model  Fast Data Entry  Taxes

G/L Account  Postage  
Company Code  IDES AG

Item 4 / Credit entry / 50  
Amount  EUR  
Tax Code   
Assignment   
Text

More  
Quantity   
Due on

 Long Texts

Next Line Item  
PstKy  Account  SGL Ind  TType  New co.code

**Coding Block** [X]

Business Area	<input type="text"/>	Trdg part.BA	<input type="text"/>
Cost Center	1000	Partner PC	<input type="text"/>
Order	<input type="text"/>	Profit. Segment	<input type="checkbox"/> Details
Profit Center	<input type="text"/>	Network	<input type="text"/>
WBS Element	<input type="text"/>	Commitment Item	9993
Personnel No.	<input type="text"/>	Plant	<input type="text"/>
Functional Area	<input type="text"/>	Real Estate Obj	<input type="checkbox"/> Details
Earmarked Funds	<input type="text"/>		
Sales Order	<input type="text"/>		
Material	<input type="text"/>		

**Fields for Batch Input (Old Format)**

WBS Element	<input type="text"/>
Commitment Item	9993

Special Region	<input type="text"/>	Ownr/Cntr	<input type="text"/>
User Field 1	<input type="text"/>	Location	<input type="text"/>
Vein	<input type="text"/>		
State/Prov	<input type="text"/>		

Once we are done entering the amount & other details hit Save in the Display Overview screen.

\*\* Note that it will allow you to save only if the document is balanced i.e. the sum of all amounts should total to **0.00** as shown below.

The screenshot shows the SAP 'Enter G/L account document: Display Overview' screen. The top menu bar includes 'Document', 'Edit', 'Goto', 'Extras', 'Settings', 'Environment', 'System', and 'Help'. The 'Save' icon in the toolbar is highlighted with a red box. The document details are as follows:

Document Date	03/03/2006	Type	SA	Company Code	1000
Posting Date	03/03/2006	Period	3	Currency	EUR
Document Number	INTERNAL	Fiscal Year	2006	Translatn Date	03/03/2006
Ledger Grp					
Reference	REF01			Cross-CC no.	
Doc.Header Text	doc hdr txt			Trading part.BA	
Branch number				Number of Pages	

Items in document currency

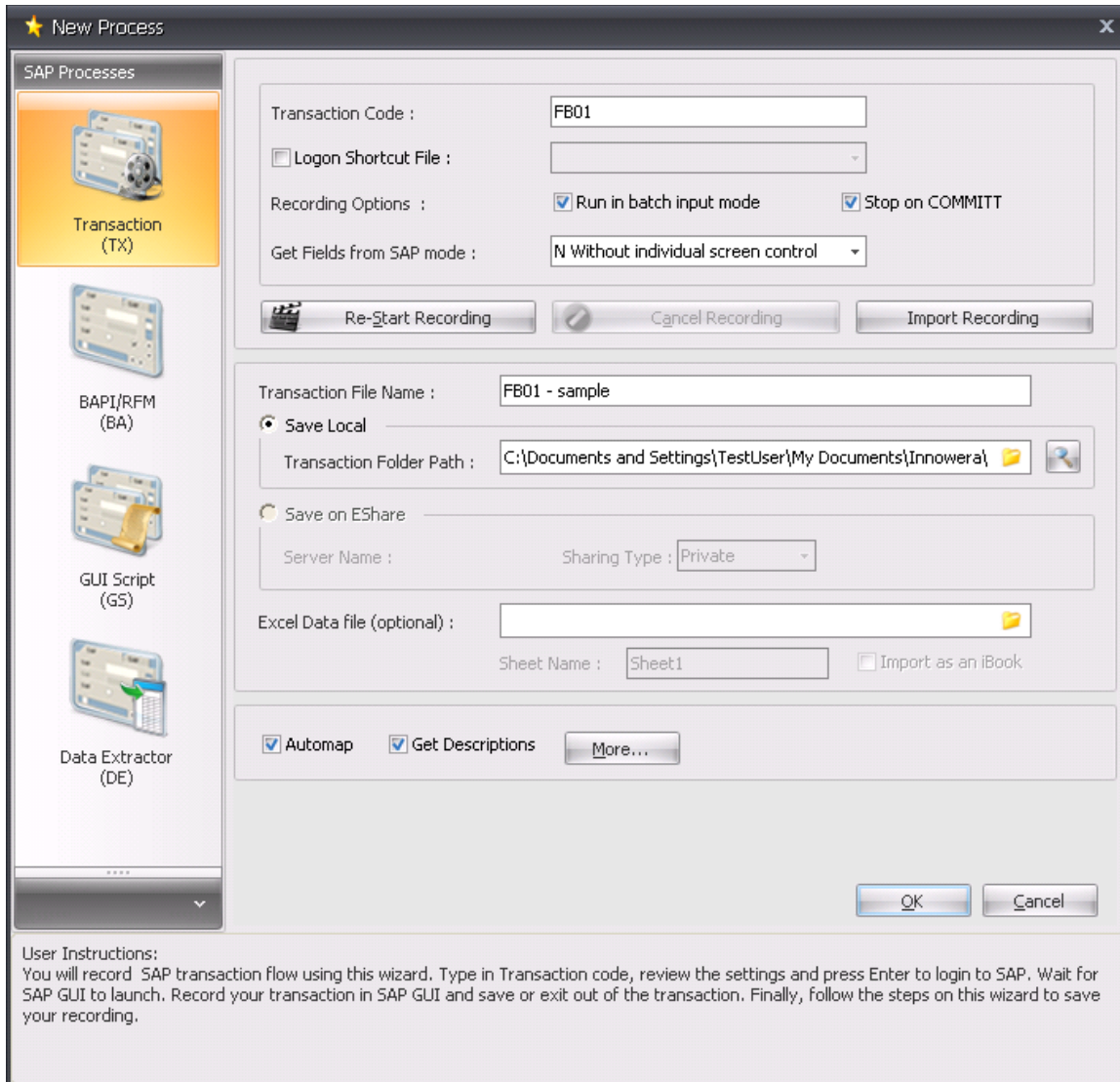
PK	BusA	Acct		EUR	Amount	Tax amnt
001	40	9900	0000476000	Office supplies	10.00	V0
002	31		0000001121	Wagner Spenglerei &	10.00-	**
003	01		0000300619	HSA Netsolutions	10.00	**
004	50	9900	0000473000	Postage	10.00-	V0

D 20.00      C 20.00      0.00 \*      4 Line items

Other line item

PstKy  count  SGL Ind  TType  New co.code

Once you successfully save, assign the transaction file name & click on OK in the New Wizard.



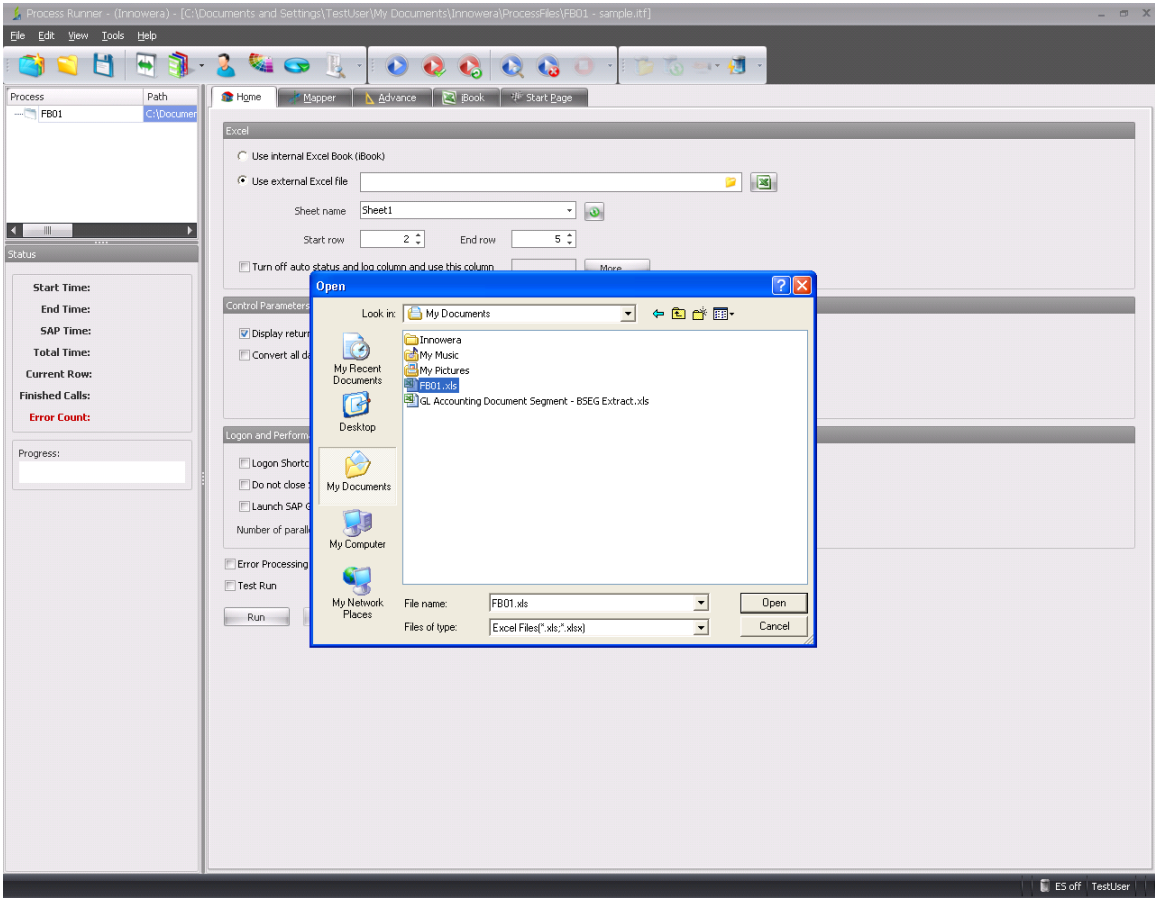


Here's a look at the mapper after we create the process file.

The screenshot shows the SAP Process Runner Mapper interface. The main window displays a table with columns: Active, Screen Name, Field, Field Description, Mapping Type, Map Value, Dynamic Skip, Dynamic Formula, and Length. The table is organized into groups for different screens: SAPMF05A - 0100, SAPMF05A - 0310, SAPMF05A - 0700, SAPMF05A - 0300, SAPLKACB - 0002, and SAPMF05A - 0700 (repeated). Each row represents a field mapping with a specific mapping type and value.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip	Dynamic Formula	Length
<input checked="" type="checkbox"/>	SAPMF05A - 0100		Header Screen for Transaction FB01					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	BKPF-BKTX			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	=5B			
<input checked="" type="checkbox"/>		BKPF-BLDAT	Document Date in Document	⇒	A			
<input checked="" type="checkbox"/>		BKPF-BLART	Document Type	⇒	B			
<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code	⇒	C			
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document	⇒	D			
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period	⇒	E			
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key	⇒	F			
<input checked="" type="checkbox"/>		BKPF-VBLNR	Reference Document Number	⇒	G			
<input checked="" type="checkbox"/>		BKPF-BKTX	Document Header Text	⇒	H			
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	BSEG-BSCHL(01)			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	=AB			
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	RF05A-NEWKO			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	/00			
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item	⇒	I			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item	⇒	J			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		G/L account line item					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	BSEG-SGTXT			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	=AB			
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency	⇒	K			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code	⇒	L			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text	⇒	M			
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	COBL-KOSTL			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	=ENTE			
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center	⇒	N			
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	⇒	RF05A-NEWKO			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	⇒	/00			
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item	⇒	O			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item	⇒	P			
<input checked="" type="checkbox"/>	SAPMF05A - 0302		Vendor line item					

Now we will use and select the document file that we referred to in beginning.



## 2. Mapper Settings & Deactivating repeating fields for inserting loop:

For our convenience we will mark & change the field descriptions of screens, so we know which screen is for which posting key.

The screenshot shows the SAP Process Runner Mapper interface. The main window displays a table with the following columns: Active, Screen Name, Field, Field Description, Mapping Type, Map Value, and Dynamic Skip. The table lists mappings for several SAP screens, including SAPMF05A - 0100, SAPMF05A - 0310, SAPMF05A - 0700, and SAPMF05A - 0300. The row for SAPMF05A - 0300 is highlighted with a red box, indicating its field description is '40,50 - Posting Key'.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip
<input checked="" type="checkbox"/>	SAPMF05A - 0100		Header Screen for Transaction FB01			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BKPF-BKTX	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=SB	
<input checked="" type="checkbox"/>		BKPF-BLDAT	Document Date in Document		A	
<input checked="" type="checkbox"/>		BKPF-BLART	Document Type		B	
<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code		C	
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document		D	
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period		E	
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key		F	
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number		G	
<input checked="" type="checkbox"/>		BKPF-BKTX	Document Header Text		H	
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-BSCHL(01)	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWB5	Posting Key for the Next Line Item		I	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account as Matchcode for the Next Line Item		J	
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTX	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	
<input checked="" type="checkbox"/>		BSEG-SGTX	Item Text		M	
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE	
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			

Note that recording screens for both 40 and 50 posting keys are similar.

So we deactivate the last screen for posting key 50.

For that select the relevant screens & from the mapper toolbar click on Edit->Deactivate as shown below.

This will deactivate/remove that screen from our recording.

You can get back those fields by going to Advance -> Inactive Rows in mapper toolbar below & selecting those fields & click on Edit -> Activate.

\*\* Anytime you are lost you can revert back to original mapper settings that were after recording by right clicking on any mapper fields & then clicking on **Restore to Original recording**.

The screenshot displays the Mapper application interface. At the top, there are tabs for Home, Mapper, Advance, Book, and Start Page. Below the tabs is a table with columns: Active, Screen Name, Field, Field Description, Mapping Type, Map Value, and Dynamic Skip. The table contains several rows of mappings for different screens, including SAPMF05A - 0700 and SAPMF05A - 0301. A red bracket highlights a group of rows in the table. A context menu is open over the table, showing options like Cut, Copy, Paste, Clone, Delete, Select All Rows, and Restore to original recording. The 'Deactivate Selected Row(s)' option is highlighted in the context menu. At the bottom, there is a toolbar with buttons for Edit, Fast Map, Simple View, Advance View, Active Rows, Inactive Rows, All Rows, and External XL. The status bar at the bottom shows the file path C:\Documents and Settings\... and Sheet1.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWB5	Posting Key for the Next Line Item		T	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		U	
<input checked="" type="checkbox"/>	SAPMF05A - 0301		01-Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		V	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		W	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		X	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWB5	Posting Key for the Next Line Item		Y	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		Z	
<input checked="" type="checkbox"/>	SAPMF05A - 0300		G/L account line item			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		AA	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		AB	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		AC	
<input checked="" type="checkbox"/>	SAPKACR - 0002		Dialog Box with all Account Assignments for Batch Input			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE	
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		AD	
<input checked="" type="checkbox"/>			Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWB5	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=BU	

Similarly we will remove repetitive screens (Display Overview) accepting posting keys to make our recording precise & to be suitable to be executed in a loop.

The screenshot shows the 'Process Runner' application interface. The main window displays a table with columns: Active, Screen Name, Field, Field Description, Mapping Type, Map Value, and Dynamic Skip. The table contains several rows, some of which are grouped by screen names like 'SAPLKACB - 0002', 'SAPMF05A - 0700', 'SAPMF05A - 0302', and 'SAPMF05A - 0700'. A context menu is open over the table, with the 'Deactivate Selected Row(s)' option highlighted. The menu also includes options like Cut, Copy, Paste, Clone, Delete, Select All Rows, and Restore to original recording. The bottom of the window shows a toolbar with buttons for 'Fast Map', 'Simple View', 'Advance View', 'Active Rows', 'Inactive Rows', and 'All Rows'. The status bar at the bottom indicates the current file path and sheet name.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE	
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		O	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		P	
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		Q	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		R	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		S	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		T	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		U	
<input checked="" type="checkbox"/>	SAPMF05A - 0301		01-Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		V	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		W	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		X	
<input checked="" type="checkbox"/>			Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWBS	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=BU	

Edit & verify all the amount, sales tax, item text and Cost center fields are mapped correctly as per our document data file.

Process Runner - (Innowera) - [C:\Documents and Settings\TestUser\My Documents\Innowera\ProcessFiles\FB01 - sample.itf]

File Edit View Tools Help

Home Mapper Advance Book Start Page

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		I	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE	
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	
<input checked="" type="checkbox"/>	SAPMF05A - 0301		01-Posting Key			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview			
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWBS	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=BU	

	A	B	C	D	E	F	G	H	I	J
1										

Edit Fast Map Simple View Advance View Active Rows Inactive Rows All Rows External XL C:\Documents and Settings\... Sheet1



## Inserting Loop:

Insert loop at the screen where we insert posting key, Display overview screen in our case. In advance views (from mapper toolbar) click the drop down in screen name & select start loop as shown below.

The screenshot shows the SAP Process Runner Mapper tool interface. The main window displays a table of mappings between SAP fields and BDC parameters. A context menu is open over the 'SAPMF05A - 0700' screen, showing options: 'Start Loop', 'End Loop', and 'Incremental'. The 'Start Loop' option is highlighted.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Dynamic Skip
<input checked="" type="checkbox"/>		BKPF-BLDAT	Document Date in Document		A	
<input checked="" type="checkbox"/>		BKPF-BLART	Document Type		B	
<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code		C	
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document		D	
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period		E	
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key		F	
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number		G	
<input checked="" type="checkbox"/>		BKPF-BKTX	Document Header Text		H	
<input checked="" type="checkbox"/>	SAPMF05A - 0310	G/L account items (1 line)				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-BSCHL(01)	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>	SAPMF05A - 0700	Document Posting: Overview				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00	
<input checked="" type="checkbox"/>		RF05A-NEWB	Posting Key for the Next Line Item		I	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	
<input checked="" type="checkbox"/>	SAPMF05A - 0300	40,50 - Posting Key				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	
<input checked="" type="checkbox"/>	SAPLKACB - 0002	Dialog Box with all Account Assignments for Batch Input				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE	
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	
<input checked="" type="checkbox"/>	SAPMF05A - 0302	31 - Posting Key				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT	
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB	
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	

This will automatically insert an End-Loop at the end before Save.

Referring to document data file we have two batch of document to be posted. We can differentiate it based on one blank space between each document.

So we will need to execute the loop & post one batch at a time.

In order to do that, in Start loop for Block type we will select On Blank cell in Column I as shown in below 2 screens.

Therefore whenever there is a blank in column I (posting key) it will assume it's a new batch.

The screenshot shows the SAP BDC Mapper tool interface. The main table lists various fields and their mappings. A context menu is open over the 'On Blank Cell In Column' option, which is selected. The table below represents the data shown in the screenshot.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Block Type	Block V...	Dynam
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=SB			
<input checked="" type="checkbox"/>		BKPF-BLDAT	Document Date in Document		A			
<input checked="" type="checkbox"/>		BKPF-BLART	Document Type		B			
<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code		C			
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document		D			
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period		E			
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key		F			
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number		G			
<input checked="" type="checkbox"/>		BKPF-BKTX	Document Header Text		H			
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-B5CHL(01)			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB			
<input checked="" type="checkbox"/>		Start Loop				On Value-Ignor...	A	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00			
<input checked="" type="checkbox"/>		RF05A-NEWB5	Posting Key for the Next Line Item		I			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB			
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M			
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL			
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE			
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N			
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key					
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT			



<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code		C		
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document		D		
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period		E		
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key		F		
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number		G		
<input checked="" type="checkbox"/>		BKPF-BKTX1	Document Header Text		H		
<input checked="" type="checkbox"/>	<input type="checkbox"/> SAPMF05A - 0310		G/L account items (1 line)				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-BSCHL(01)		
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB		
<input checked="" type="checkbox"/>		Start Loop				On Value-Ignore Bl...	<input type="text" value="i"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/> SAPMF05A - 0700		Document Posting - Overview				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO		
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00		
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		I	Header+Line Item	
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	Header+Line Item	
<input checked="" type="checkbox"/>	<input type="checkbox"/> SAPMF05A - 0300		40,50 - Posting Key				
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTX1		
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB		

### 3. Custom DS to suppress screens based on a particular posting key.

Based on posting key only particular screens need to be executed at any given time, rest all screens need to be suppressed in order for our looping to be effective.

So we will enable only those screens required for a posting key & suppress others.

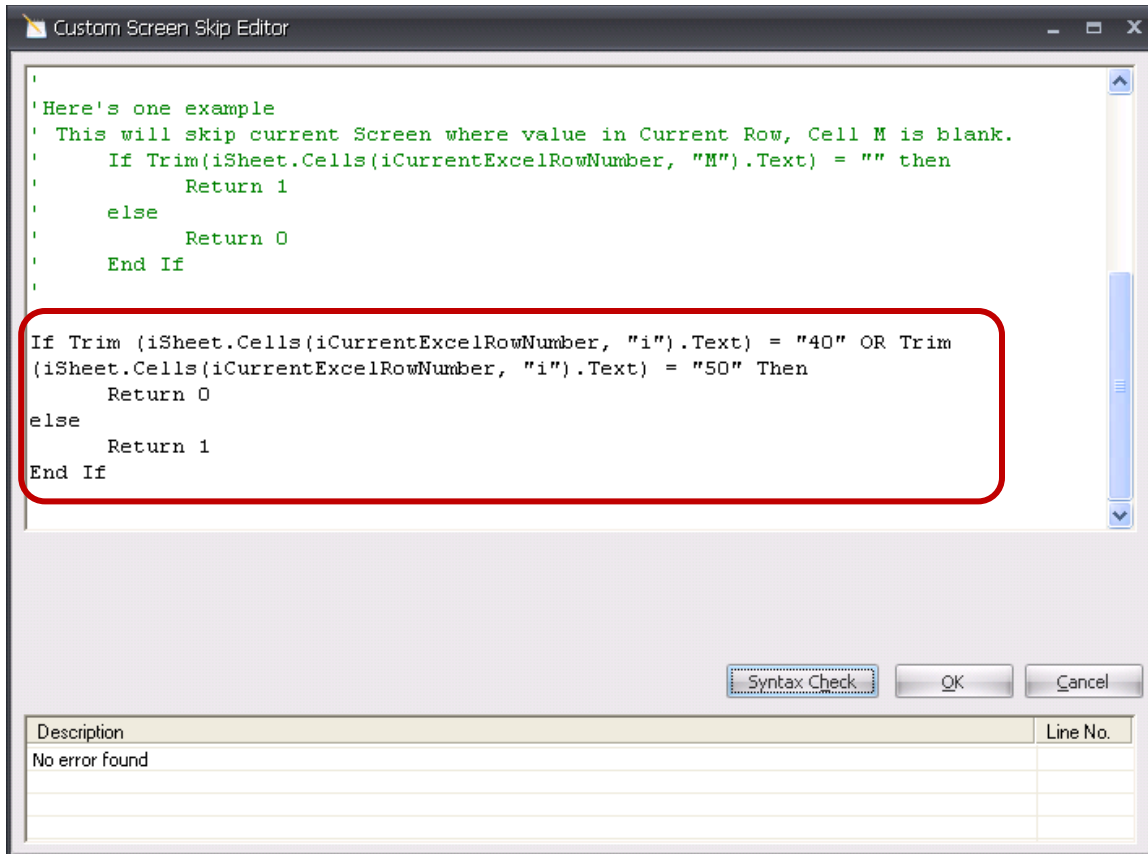
For this we will use Custom DS on Screen feature of Process Runner. Users can enter VB.Net code in custom DS which will execute or suppress the screen before sending to SAP.

Custom DS for screen 40, 50:

Select the screen for posting key 40, 50 & from the Dynamic Skip column select Custom Dynamic Skip as shown below.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Block Type	Block V...	Dynamic Skip	Dynamic Formula
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=SB				
<input checked="" type="checkbox"/>		BKPF-BLDAT	Document Date in Document		A				
<input checked="" type="checkbox"/>		BKPF-BLART	Document Type		B				
<input checked="" type="checkbox"/>		BKPF-BUKRS	Company Code		C				
<input checked="" type="checkbox"/>		BKPF-BUDAT	Posting Date in the Document		D				
<input checked="" type="checkbox"/>		BKPF-MONAT	Fiscal Period		E				
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key		F				
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number		G				
<input checked="" type="checkbox"/>		BKPF-BKTXH	Document Header Text		H				
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-BSCHL(01)				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>	Start Loop								
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview				On Value-Ignore Bl... i		
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00				
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		I	Header+Line Item			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			A-Execute only on the first call
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			B-Suppress Screen with Previous
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			C-Invert Screen With Previous
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assigments for Batch Input						Z-Custom Dynamic Skip
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL				

In the Custom Screen Skip Editor that opens enter the code to execute (Return 0) that screen only when key posting keys 40 or 50 in column "i" are encountered else suppress (Return 1) that screen.



As the screen below it is also required (remember the additional screen asking for cost center), we will select “Suppress screen with previous”. This will ensure that this screen is also suppressed with the previous one.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Block Type	Block V...	Dynamic Skip	Dynam...
<input checked="" type="checkbox"/>		BKPF-WAERS	Currency Key	→	F				
<input checked="" type="checkbox"/>		BKPF-XBLNR	Reference Document Number	→	G				
<input checked="" type="checkbox"/>		BKPF-BKTXI	Document Header Text	→	H				
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	→	BSEG-BSCHL(01)				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	→	=AB				
<input checked="" type="checkbox"/>	Start Loop							On Value-Ignore Bl... i	
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	→	RF05A-NEWKO				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	→	/00				
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item	→	I	Header+Line Item			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item	→	J	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	→	BSEG-SGTXI				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	→	=AB				
<input checked="" type="checkbox"/>		BSEG-WRBT	Amount in document currency	→	K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code	→	L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXI	Item Text	→	M	Header+Line Item			
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	→	COBL-KOSTL				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	→	=ENTE				
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center	→	N	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location	→	BSEG-SGTXI				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen	→	=AB				

A-Execute only on the first call  
 B-Suppress Screen with Previous  
 C-Invert Screen With Previous  
 Z-Custom Dynamic Skip



Custom Screen Skip Editor

```
' 4 (Stop current SAP execution - similar to user pressing Stop button)
' Any other value will continue the operation - as it Dynamic Skip was absent
'
'Here's one example
' This will skip current Screen where value in Current Row, Cell M is blank.
'   If Trim(iSheet.Cells(iCurrentExcelRowNumber, "M").Text) = "" then
'       Return 1
'   else
'       Return 0
'   End If

If Trim (iSheet.Cells(iCurrentExcelRowNumber, "i").Text) = "31" Then
    Return 0
else
    Return 1
End If
```

Syntax Check OK Cancel

Description	Line No.

## Custom DS for screen 01:

Similar to what we did for posting key 31, we will suppress the screen for posting key 01 as shown below in 2 screens.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Block Type	Block V...	Dynamic Skip	Dynami...
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00				
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		I	Header+Line Item			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input					B-Suppress Screen with ...	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE				
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0301		01-Posting Key						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			

A-Execute only on the first call  
B-Suppress Screen with Previous  
C-Invert Screen With Previous  
Z-Custom Dynamic Skip

Custom Screen Skip Editor

```
' 4 (Stop current SAP execution - similar to user pressing Stop button)
' Any other value will continue the operation - as it Dynamic Skip was absent
'
' Here's one example
' This will skip current Screen where value in Current Row, Cell M is blank.
'   If Trim(iSheet.Cells(iCurrentExcelRowNumber, "M").Text) = "" then
'       Return 1
'   else
'       Return 0
'   End If
'
```

If Trim (iSheet.Cells(iCurrentExcelRowNumber, "i").Text) = "01" Then  
Return 0  
else  
Return 1  
End If

Syntax Check OK Cancel

Description	Line No.
No error found	



## Final Mapper settings:

This is how the mapper would look finally with all the loops & Custom DS on screens.

Active	Screen Name	Field	Field Description	Mapping Type	Map Value	Block Type	Block...	Dynamic Skip	Dyn
<input checked="" type="checkbox"/>	SAPMF05A - 0310		G/L account items (1 line)						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-BSCHL(01)				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>	Start Loop					On Blank Cell In Column	1		
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWKO				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		/00				
<input checked="" type="checkbox"/>		RF05A-NEWBS	Posting Key for the Next Line Item		I	Header+Line Item			
<input checked="" type="checkbox"/>		RF05A-NEWKO	Account or Matchcode for the Next Line Item		J	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0300		40,50 - Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			
<input checked="" type="checkbox"/>	SAPLKACB - 0002		Dialog Box with all Account Assignments for Batch Input					B-Suppress Screen wi...	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		COBL-KOSTL				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=ENTE				
<input checked="" type="checkbox"/>		COBL-KOSTL	Cost Center		N	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0302		31 - Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			
<input checked="" type="checkbox"/>	SAPMF05A - 0301		01-Posting Key					Z-Custom Dynamic Skip	
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		BSEG-SGTXT				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=AB				
<input checked="" type="checkbox"/>		BSEG-WRBTR	Amount in document currency		K	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-MWSKZ	Sales Tax Code		L	Header+Line Item			
<input checked="" type="checkbox"/>		BSEG-SGTXT	Item Text		M	Header+Line Item			
<input checked="" type="checkbox"/>	End Loop								
<input checked="" type="checkbox"/>	SAPMF05A - 0700		Document Posting: Overview						
<input checked="" type="checkbox"/>		BDC_CURSOR	Cursor location		RF05A-NEWBS				
<input checked="" type="checkbox"/>		BDC_OKCODE	OK Code for this screen		=BU				

#### 4. Run and Validation

Click on Run & you can see the result in Status column that the documents are successfully posted.

Fiscal period	Currency	Reference	Document	Document Header Text	Posting Key	Next Line	Amount	Tax Code	Item Text	Cost Center	Status	JSMITH-DM0-800 10-Mar-2010 - 3:22 PM
3	EUR	ref01	doc	hdr bt	40	473000	10.00	V0	line itm bt 1	1110	S:F5-312	Document 100000869 was posted in company code 10
					31	1121	10.00	**				
					01	300619	10.00	**				
					50	473000	10.00	V0		1110		
3	EUR	ref01	doc	hdr bt	40	473000	10.00	V0	line itm bt 1	1110	S:F5-312	Document 100000870 was posted in company code 10
					31	1121	10.00	**				
					01	300619	10.00	**				
					50	473000	10.00	V0		1110		

We can verify the document posting in SAP as well as shown below (using FB03).

Document: 100000869, Company Code: 1000, Fiscal Year: 2006, Document Date: 03/03/2006, Posting Date: 03/03/2006, Period: 3, Reference: REF01, Currency: EUR.

C...	Item	PK	S	Account	Description	Amount	Curr.	Tx	Cost Center	Order	Profit Center	Segment	Billing Doc.
1000	1	40		473000	Postage	10.00	EUR	V0	1110		1402		
	2	31		1121	Wagner Spenglerei & Roh	10.00	EUR						
	3	01		300619	HSA Netsolutions	10.00	EUR						
	4	50		473000	Postage	10.00	EUR	V0	1110		1402		

This concludes our FB01 document posting.