

Applies to:

SAP ECC6.0. The configuration can also be held as reference for R/3 470 release and 46C release.

For more information, visit the [Business Process Expert homepage](#).

Summary

Standard Variants come in very handy for customizing document entry screen. They can be created for any dialog or reporting transactions.

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Table of Contents

Scope.....	3
Illustration.....	3
Step by Step Procedure	4
Result	8
Related Content.....	9
Disclaimer and Liability Notice.....	10

Scope

SAP is a product. Hence standard transactions contain many fields that are not required as per business needs. Also, at times, it becomes necessary that the field properties are to be changed. Especially in FICO module, there are many options to achieve this as –

- Screen exits
- Validation & Substitution
- Field Status group

The most unknown and a handy tool that functional consultants can use are the **standard variants**. The scope of the article, restrict itself by illustrating how the tool can be easily and effectively used.

Illustration

Let us take an example of standard FICO transaction code – FV60 (Park Vendor Invoice). The step by step procedure tells how to modify the screen layout.

Required modifications are to be done as per the screenshot below –

Initial Screen Changes to be performed:

Park Vendor Invoice: Company Code

The screenshot shows the SAP FV60 transaction screen for 'Company Code'. The top bar contains buttons for 'Tree on', 'Company Code', 'Simulate', 'Save as completed', 'Post', and 'Editing options'. The 'Post' button is circled in red. Below the top bar, the transaction type is 'R Invoice' and the balance is '0.00'. The main area is divided into tabs: 'Basic data', 'Payment', 'Details', 'Tax', 'Withholding tax', and 'Notes'. The 'Basic data' tab is active, showing fields for 'Vendor', 'Invoice date', 'Posting Date' (12/15/2008), 'Amount', 'Tax amount', 'Text', and 'Company Code'. There are also checkboxes for 'SGL Ind' and 'Calculate tax'.

In the table control, we need to have only – Status, GL account, Short Text, Debit / Credit, Amount in document currency, Amount in local currency, Tax code, W/o Cash discount, Value Date, Text, Company code, Cost Center, Order, Plant, Profit center, Profitability Segment, Cost Object, Segment.

All other fields in the table control should be removed. The changes to be performed in Payment & Details tab are below –

The screenshot shows the SAP FV60 transaction screen with the 'Payment' and 'Details' tabs active. The 'Payment' tab shows fields for 'BaselineDt', 'Due on' (01/02/2009), 'Discount', 'Disc.base', 'Pmt Method', 'Inv.ref', and 'Part. Bank'. The 'Details' tab shows fields for 'G/L' (205000), 'Assign.', 'HeaderText', 'Bus. Area', 'Contract', 'SCP Ind.', 'Suppl. Cnty' (US), 'AP Trade', 'Tr. part BA', 'Flow Type', and 'Serv. Ind.'. Red lines are drawn over several fields in the 'Details' tab, indicating they should be removed or modified according to the requirements.

Step by Step Procedure


1. Go to transaction code SHD0
2. Click on the 'Standard Variant' tab
3. Enter the Transaction code and Name

Transaction Code: FV60 Park Incoming Invoices

Standard Variants Transaction Variants Screen Variants

Variant Groups Standard Variants

Name: ZFV60 Standard Variant for FV60

4. Click  icon. This will take to the transaction code mentioned in Step 3 – i.e. FV60
5. Navigate to all the tabs that require changes. For any key stroke like Save or Back, an additional pop-up will appear – 'Confirm Screen Entries'.


Confirm Screen Entries

Screen values 1100 Program SAPMF05A

Copy settings Name of screen variant: ZFV601_1100 GUIXT script
 Do not display screen Screen variant short txt

Field	Contents	W. content	Output only	Invisible	Required
Transactn	R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bal.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RFD05A-AZSAL		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Text)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TS (Tab Strip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Basic data (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Payment (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Details (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tax (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Withholding tax (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Notes (tstrip)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Exit and Save Menu functions GUIXT

6. Keep clicking  and navigate to other tabs like Payment, details etc, which requires alterations.

Once all the screens are navigated, click **Exit and Save** in the pop-up. This will lead to the screen- 'Change Transaction Variant'.

7. Keep entering the 'Short text' for each screen and modify accordingly. Now, we will see how to modify the screen layout as per the Illustration we took.


8. There are various columns available – With Content, Output only, invisible and required. Mark and unmark each screen field as necessary

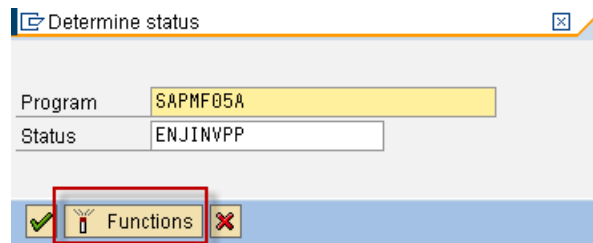
Screen values 0020 Program SAPLFDCB						
<input checked="" type="checkbox"/> Copy settings		Name of screen variant: ZFV60_0020		<input type="checkbox"/> GuiXT script		
<input type="checkbox"/> Do not display screen		Screen variant short txt: Payment Tab				
Field	Contents	W. content	Output only	Invisible	Required	Technical name
INVFO-REBZJ		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-REBZJ
INVFO-REBZZ		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-REBZZ
Payee		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-EMPF8
Part. Bank		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-BVTYP
House Bank		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-HBKID
/		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-HKTID
Instructns		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-DTWSX
INVFO-DTWS1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-DTWS1
INVFO-DTWS2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-DTWS2
INVFO-DTWS3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-DTWS3
INVFO-DTWS4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-DTWS4
Payment Ref.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-KIDNO
Reason cde		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-RSTGR
Individual payee (Check box)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-REGUL
BSEC-NAME1 (Text)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BSEC-NAME1
EXG-Nummer		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-OIEXGNUM
Splittrk.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-OIINVCYC

Screen values 0050 Program SAPLFDCB						
<input checked="" type="checkbox"/> Copy settings		Name of screen variant: ZFV60_0050		<input type="checkbox"/> GuiXT script		
<input type="checkbox"/> Do not display screen		Screen variant short txt: Details Tab Data				
Field	Contents	W. content	Output only	Invisible	Required	Technical name
INVFO-KONTO_TXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-KONTO_TXT
Assign.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-ZUONR
HeaderText		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-BKTXI
Negative pstng (Check box)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-XNERP
Bus. Area		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-GSBER
Tr. part. BA		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-PARGB
Contract		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-VERTN
/		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-VERTT
Flow Type		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	INVFO-VBEWA
Ref. key 1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-XREF1
EU Tri. Deal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-XEGDR_HU
Ref. key 2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-XREF2
Int. block		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INVFO-ZINKZ

Screen values 0100 Program SAPLFSKB						
<input checked="" type="checkbox"/> Copy settings		Name of screen variant:	ZFV60_02		<input type="checkbox"/> GuiXT script	
<input type="checkbox"/> Do not display screen		Screen variant short txt	Table Control for Line items			
Field	Contents	W. content	Output only	Invisible	Required	Technical name
Company code	1 4000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-BUKRS
Trading partner	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-VBUND
Business area	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GSBER
Partner business are	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-PARGB
Negative pstng (Check box)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-XNEG
Activity Code	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GRICD
Region (Federal stat	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GRIRG
Distrib. type for em	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GITYP
Cost center	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-KOSTL
Order	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-AUFNR
Fin. budget item	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-FKONT
Sales order	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-VBEL2
Item in sales order	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-POSN2
Sched. line in sales	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-ETEN2
Plnt	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-WERKS
Purch. Doc.	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-EBELN
Purchase document it	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-EBELP
Procurement Doc.	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-LONGNUM
Profit center	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-PRCTR
Partner profit ctr	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-PPRCT
WBS element	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-PROJK
FM area (Text)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-FIKRS
Funds center	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-FISTL
Commitment itm	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-FIPOS
Fund	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GEBER
Grant	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-GRANT_MBR
Profit.segment (Pushbutton)	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-EOBJ
Cost object	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-KSTRG
Network	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-NPLNR
Transaction no	1	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACGL_ITEM-VORNR

9. If we need to remove anything from Menu or from application toolbar, click the

button  Menu functions

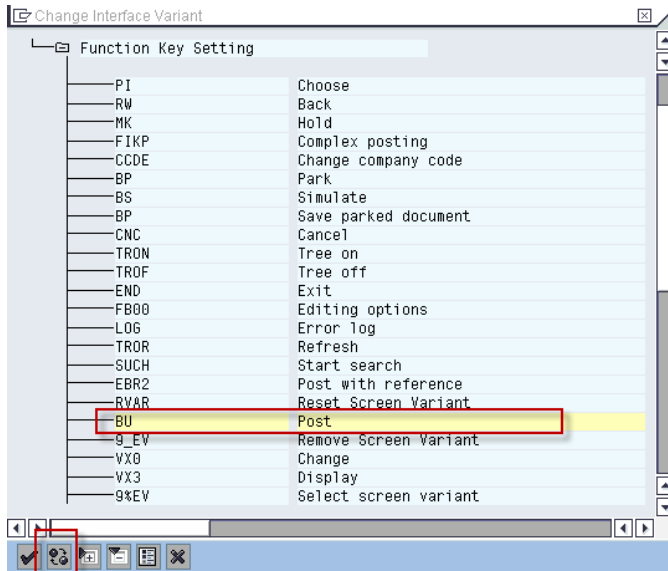


10. Click 'Deactivate Functions' button

11. Select the function that is to be deactivated in the popup and click 'Deactivate (F2) icon. Considering the illustration we took, the need is to disable posting of transaction in the Park transaction. Posting can happen in two ways –

- By clicking the 'Post' button in the application tool bar [or]
- Through the menu option.

Disabling the menu function Post through this option, will disable both the options listed above.



12. Save

13. Activate the Standard variant

Note: Saving the variant creates workbench requests. For creation of variants, test data is required for navigating the screen.

Similarly, the standard variant should be activated in all the system after **Transport**.

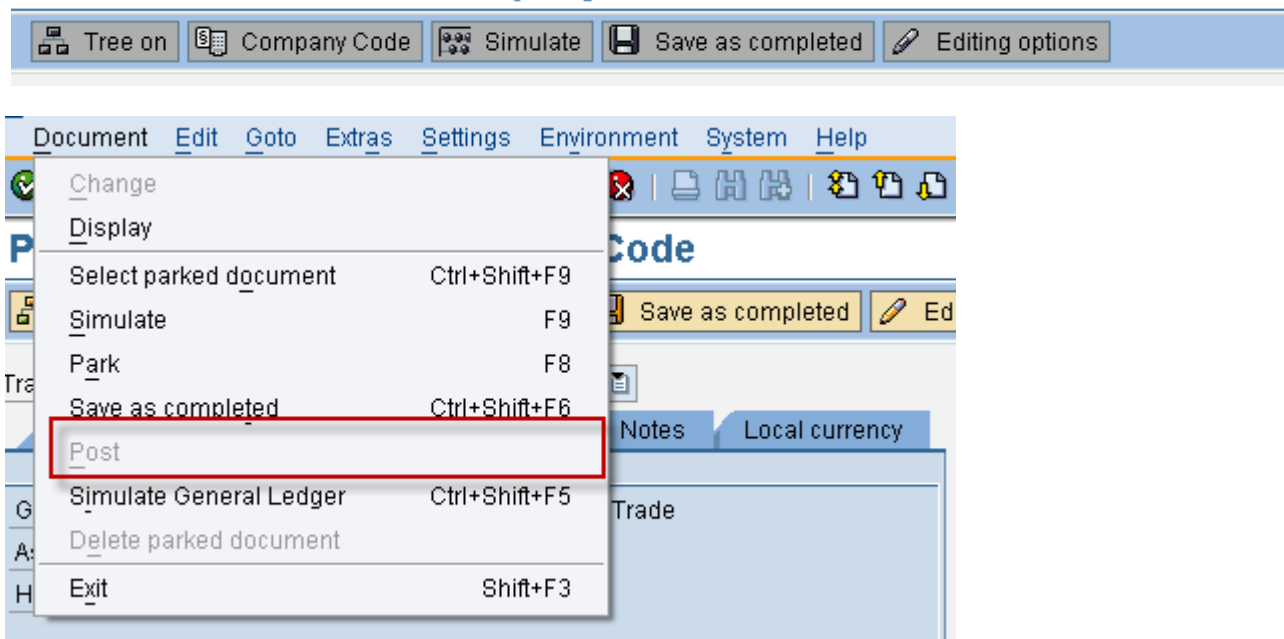
Standard variant also set at beginning of transaction without variant!

Result

Standard variant will be defaulted whenever the transaction code is invoked. So all the changes that are made, gets reflected when any user invokes the FV60 T-code.

Sample Details tab:

Also note that, the Post button has been removed from the application tool bar. In the Menu, the same has been disabled.



Related Content

http://help.sap.com/saphelp_nw04/helpdata/en/7d/f639fb015111d396480000e82de14a/content.htm

<https://www.sdn.sap.com/irj/scn/thread?messageID=1658151>

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