SAP Validation

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1. Validation Configuration

Let us understand how Validation is set up in SAP FI component.

Scenario:-

You are an SAP FICO Consultant on a project. The project client requires you to configure a validation in transaction code FB60, so that the text field is mandatory on the basic screen.

Let us check in detail below:-

In transaction code FB60

Your project client wants the text field as mandatory (Circled below):-
This field is not the same a header text.

Let us check that....

Position the cursor on the field text

Click on function key F1

**Item Text**
Contains an explanatory text on the line item.

**Use**
Line item texts can be used internally and externally. To be able to distinguish between these, you must begin texts for external notes, etc. The asterisk is removed when the text is printed.

**Dependencies**
This function is only available in the FI component. It cannot be used in Materials Management.
Click on 

The field name is SGTXT as can be seen below:-

![Image of SAP Validation Configuration screen with field name SGTXT highlighted]
This field is not the same as the header text.

Let us verify the same

The header text is in the Tab Details

Click on Tab Details
Check the technical details of this field
The BXTXT field – if to be mandatory can be controlled through FI customizing:


The header text can be made mandatory by clicking on the Document header text.
But the requirement given here is a different field. Interesting isn’t it?

How do we configure this? Will it require validation? Whether it will be at header level or line item level or complete document level?

Think.

Think..........
Solution :-

Validation is definitely required.

The SGTXT is a field available in line item, and to make vendor text mandatory we have to set it at the vendor line item.

How do we determine which is the vendor line item?

For vendor invoice posting, posting key 31 is called in the background, so let us use that.


Click on New entries

Update the following:-
Click Environment → Validation
Update the following:-

Double click **Prerequisite**
Double click to select or edit the following fields:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYST-TCODE</td>
<td>Transaction code</td>
</tr>
</tbody>
</table>
Click =
Update the following:-

![Create prerequisite: Z00001 Step 001]

- Transaction code: FB00
Create prerequisite: Z00001 Step 001

Transaction code = 'FB60'

Table Fields Rules Exits

ABAP System Fields
Techn. Name Short Descript.
Syst. Batch Background Selection
Syst. Binpt Batch Input Selectn.
Syst. Datum Current Date
Syst. Mandt Client Id
Syst. Auth Status Authorization Status

Status:  AND OR
= <> ( )
>= <= < >
AND OR --> <--
NOT IN LIKE
+ - = /
TRUE FALSE

Click AND
Click back as shown below:-
Create prerequisite: Z00001 Step 001

Transaction code = 'FB60' AND

Table Fields

List of structures

<table>
<thead>
<tr>
<th>Techn. Name</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure BKPF</td>
<td>Accounting Document Header</td>
</tr>
<tr>
<td>Structure BSEG</td>
<td>Accounting Document Segment</td>
</tr>
<tr>
<td>Structure SYST</td>
<td>ABAP System Fields</td>
</tr>
</tbody>
</table>

Double click Structure BSEG | Accounting Document Segment
Click and update posting key
Double click | BSEG-BSCHL | Posting key
Click =

Click Constant
Update the following:-
Click on the check button.

Double click on the Structure BSEG and Accounting Document Segment.

And search for the field SGTXT.
Double click BSEG-SGTXT

Click <>

Click Constant

Update the following:-
Keep it blank
Click on
Click on Save

Update the message number 900 in the validation message step
Click on Save

Come back to the main validation window
Update as active

Click on Save
2. Transporting Validation

Validation objects are workbench object and have to be included manually in transport request.

Proceed as follows:-

Position the cursor on

![Diagram showing cursor position]

Click

![Diagram showing menu options]

Click
Click Execute to include validation objects in transport.

So in effect there will be 2 transport requests:-

1) For the customizing entry
2) For the validation objects

You are now done with validation customizing.
Let us now test the validation in transaction code FB60

Update the following and press enter

So there goes your validation message.
3. User Exits in Validation

Sometimes the validation requirements are quite complex and cannot be done using the standard validation configuration.

Example: Your project had a requirement that in transaction F-28 (Incoming payment from customer) the reference field must be of length 7 characters and should be prefixed with the letter C or L.

In this case we definitely need to use a user exit.

User exit steps:-

**RGGBR000** is an example form pool provided by **SAP for validation exits**.

**RGGBS000** is an example form pool provided by **SAP for substitution exits**.
Transaction code: SE38

Click on
Copy the standard **RGGBR000** into your custom program **ZRGGB**

Define the user exit in the **FORM “GET_EXIT_TITLES”**

This form GET_EXIT_TITLES contains name and titles of all available standard exits. Every new exit need to be added to this form.
We show below an example coding

Exit name = UZ001

Create a form

&---------------------------------------------------------------------*
*&      Form  UZ001                                           
*&---------------------------------------------------------------------* 
*       text
*---------------------------------------------------------------------* 
* <-- B_RESULT  T = True  F = False
*---------------------------------------------------------------------* 
FORM uz001 USING b_result.

DATA: len TYPE i.

* DATA: SCREEN LIKE DYNPREAD OCCURS 0 WITH HEADER LINE.

* DATA: LEN TYPE I.

len = STRLEN( bkpf-xblnr ).

IF sy-tcode = 'F-28'
  OR sy-tcode = 'F-29'
IF bkpf-xblnr IS INITIAL.

b_result = b_false.
EXIT.
ELSEIF len > 7.

b_result = b_false.
EXIT.
ELSEIF bkpf-xblnr(1) <> 'C' AND bkpf-xblnr(1) <> 'L'.

b_result = b_false.
EXIT.
ELSE.

b_result = b_true.
EXIT.
ENDIF.
ELSE.

b_result = b_true.
ENDIF.
ENDFORM.  " UZ001
4. Assign the custom validation program to application area

**Transaction code:** GGX2

Or

**Path:**

SAP Customizing Implementation Guide → Financial Accounting → Special Purpose Ledger → Basic Settings → User Exits → Maintain Client-Specific User Exits
Remove the existing assignment from GBLR and update your new program ZRGGB

Update the user exit UZ001 in the validation transaction in check
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