

# Methods to track configurational Changes incurred through SPRO

During SAP implementation or Support project, a functional consultant receives many customizing requests based on functional design document or Incident Number.

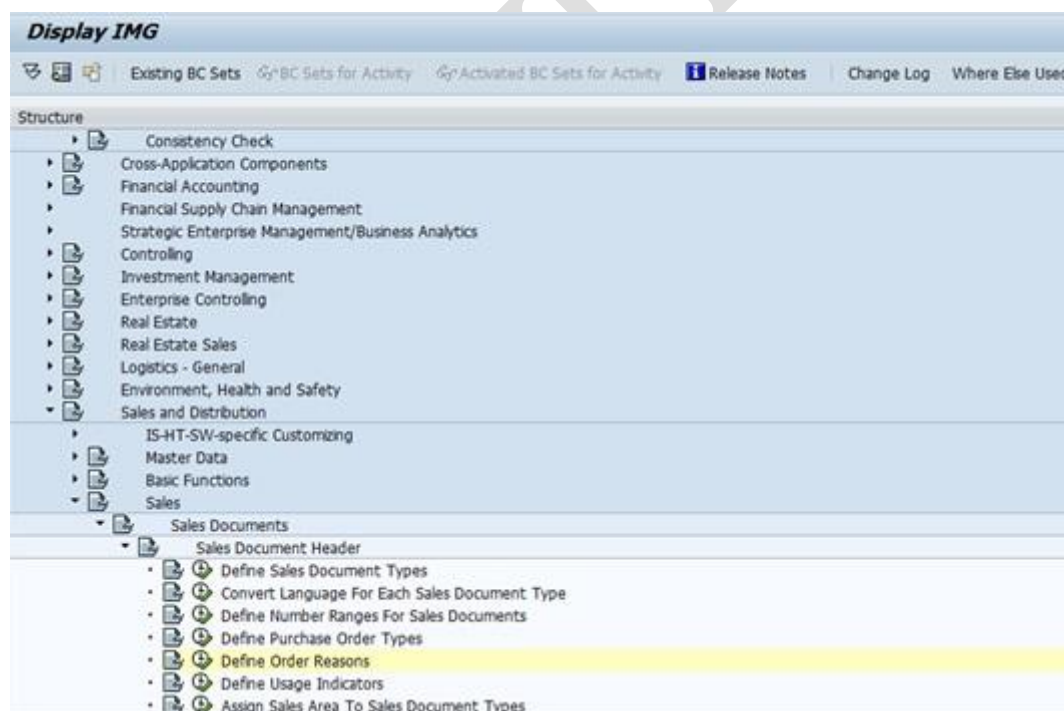
And life becomes very difficult when configurational request becomes dynamic in nature due to unfreeze functional design or change in Client business decision, i.e. Functional consultant receives multiple iteration of this configurational request.

So it becomes important to quickly and efficiently track and analyse changes to customizing tables whenever slippage happens. This is an articulation to demonstrate various approach of tracking configurational/customizing changes performed during project realization phase.

## Approach 1:-

To give a good insight on the approach, let's consider a simple exercise of configurational request i.e. Define order reasons: In this menu option you define the possible order reasons.

They describe the reasons which led to an inquiry, quotation or order. When processing a sales document, you can specify the order reason in the overview at header level. It then applies to all the items.

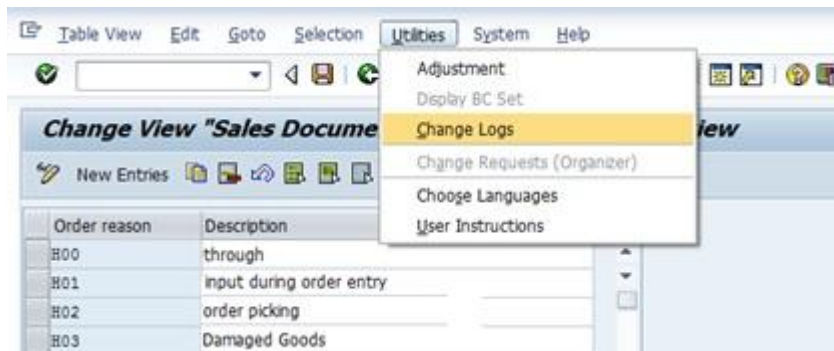


**Change View "Sales Documents: Order Reasons": Overview**

New Entries

Order reason	Description
R00	through
R01	input during order entry
R02	order picking
R03	Damaged Goods
R04	Quality problem
R05	Missing at delivery

Navigate to Utilities menu and press "Change Logs" option:



Here, there is provision to enter a date range to check the change log and once the desired date range is entered, execute button is hit.

**Evaluation of change logs**

Logging: Display Status

Analysis Period

Start Date: 11.04.2014 Start Time: 00:00:00

End Date: 17.04.2014 End Time: 15:36:37

Output Options

☐ ALV Grid Display

☐ Only Actual Changes

☐ Append Table Changes

Archived Logs

☐ also evaluate

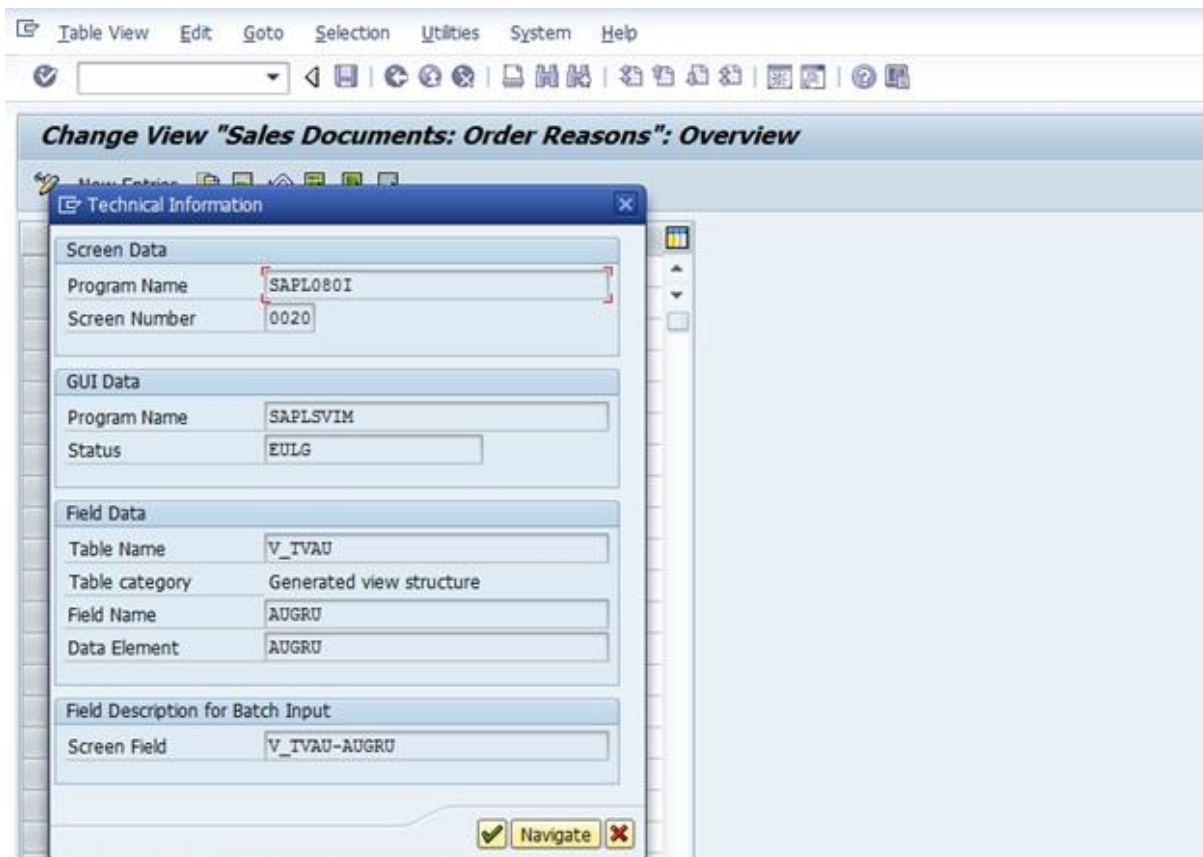
**Display Change Logs**

V\_TVAU Sales Documents: Order Reasons

Date	User Name	Time	TCode	Program	Type	OrdRs	Language	R
17.06.2013		13:31:57	R3TRANS	Created	H70	TH		
			R3TRANS	Old	H69	TH		
			R3TRANS	new	H69	TH		
			R3TRANS	Old	H68	TH		
			R3TRANS	new	H68	TH		
			R3TRANS	Old	H67	TH		
			R3TRANS	new	H67	TH		

## Approach 2:-

Here the catch would be to make a note of Customizing table or object (maintenance views, view cluster or individual Customizing transactions) and use it in the following report to check the table changes specifics.



Following reports needs to be executed for table log changes:


1. Program RSTBHIST/Transaction code SCU3 or Program RSVTPROT (an ABAP/4 program)


The screenshot shows the 'Evaluation of change logs' report. The 'Logging: Display Status' is set to 'Logging: Display Status'. The 'Customizing Object/Table' is set to 'V\_IVAU'. The 'Analysis Period' is defined by 'Start Date' (27.02.2015), 'End Date' (05.03.2015), 'Start Time' (00:00:00), and 'End Time' (23:52:46). The 'Evaluation for' section has 'Customizing Objects' selected. The 'Output Options' section has 'ALV Grid Display', 'Only Actual Changes', and 'Append Table Changes' all unchecked. The 'Archived Logs' section has 'also evaluate' unchecked.

### Pre-condition to be checked in system for table to be logged:

1. In the technical settings of the table, checkbox "Log data changes" is marked. You can go to the technical settings via Transaction SE13.
2. Logging is also set in the system profile.


**Dictionary: Technical Settings**




Table/View Name:   Transparent Table




Short Descript.: Sales Documents: Order Reasons

---

Technical Settings  **Change**

 **Display**

**Dictionary: Display Technical Settings**

  Revised <-> Active 

Name:  ☐ transparent Table

Short Descript.: Sales Documents: Order Reasons

Last Changed: SAP 19.03.2014

Status: Actv. Saved

**General Properties** **DB-Specific Properties**

**Logical Storage Parameters**

Data Class: APPL2 Organization and customizing

Size Category: 0 Exected data records 0 to 43.000

**Buffering**

☐ Buffering Not Allowed

☐ Buffering allowed but switched off

☒ Buffering Activated

**Buffering Type**

☐ Single Records Buff.

☒ Generic Area Buffered

☐ Fully Buffered

Number of Key Fields:

☒ Log Data Changes

☐ Write access only with JAVA

☒ Maintain as transparent table

### Approach 3:-

DBTABLOG :- Change customized table log is maintained in the table and Function Module : DBLOG\_READ useful to read the change log by passing the tables that you want to read in the parameter :- OBJ\_LIST.

**General Table Display**

Background Number of Entries All Entries

Table: DBTABLOG

Text table:

Layout:

Maximum no. of hits: 500

Log Records of Table Changes

☐ No texts

☐ Maintain entries

Selection Criteria

Fid name	O.	Fr.Value	To value	More	Output	Technical name
(8-character) Date f					<input checked="" type="checkbox"/>	LOGDATE
TIME Data Element fo					<input checked="" type="checkbox"/>	LOGTIME
Unique identificatio					<input checked="" type="checkbox"/>	LOGID
Table Name		TVAU			<input checked="" type="checkbox"/>	TABNAME
Variable key part of					<input checked="" type="checkbox"/>	LOGKEY
Host					<input checked="" type="checkbox"/>	HOSTNAME
User					<input checked="" type="checkbox"/>	USERNAME
Transaction Code					<input checked="" type="checkbox"/>	TCODE
Program Name					<input checked="" type="checkbox"/>	PROGNAME
Operation type of SQ					<input checked="" type="checkbox"/>	OPTYPE
Version Number Compo					<input checked="" type="checkbox"/>	VERSNO
Language Key					<input checked="" type="checkbox"/>	LANGUAGE
Actual length of var					<input checked="" type="checkbox"/>	DATALN
Modified Data Record					<input checked="" type="checkbox"/>	LOGDATA

**Function Builder: Display DBLOG\_READ**

Function module: DBLOG\_READ Active

Attributes Import Export Changing Tables Exceptions Source code

Classification

Function Group: SVPR Logging of Maintenance Views

Short Text: Read Update Logs from Table or Archive

Processing Type

☒ Normal Function Module

☐ Remote-Enabled Module ☐ BasXML supported

☐ Update Module

☒ Start immed.

☐ Immediate Start, No Restart

☐ Start Delayed

☐ Call run

General Data

Person Responsible: SAP

Last Changed By: SAP

Changed on: 20.03.2014

Package: STAB

Program Name: SAPLSVPR

INCLUDE Name: LSVPRU10

Original Language: DE

Not released

☐ Edit Lock

☐ Global