USER AND CUSTOMER EXITS.

USER AND CUSTOMER EXITS ... First of all we must know the difference between user and customer exits. User exits are available only for SD module whereas customer exits are available for all the modules such as MM, SD, FI, etc.

Technically talking, user exits make use of forms(subroutines) whereas customer exits make use of Function modules. So, user exits have the option to access global data but in case of customer exits we can only access the import/export/changing/tables parameters of the Function modules. This makes user exits are flexible and inconsistent and customer exits are restrictive and consistent.

A user exit is considered a modification, since technically objects in SAP namespace are modified. Customer exits do not affect standard SAP source code.

Customer exits can be further classified as 1) Function module exits 2) Screen exits 3) Menu exits.

Function module exits: Allow customer to add code via a function module at a specific location in an SAP application program.

Menu Exits: Allow customer to add items to a pull down menu in a standard SAP program.

Screen Exits: Allow customer to add fields to a screen in an SAP program via a subscreen.

Now, how to locate a customer exit for a standard transaction. We will take the example of transaction VA01 which is used to create sales orders. Open VA01.

The screen given appears:

Now, go to SYSTEM tab on top and choose status. The screen given below will appear:
ABAP Editor: Display Mod. pool SAPMV45A

```
  1  'Modulpool zur Kundenauftragsbearbeitung
  2  '------------------------------
  3  INCLUDE MV45ATCF.
  4  *{ INSERT ALIK008044
  5  *include for Re-SCM sales functions, also known as Home Building Solution
  6  INCLUDE DL_FES_MV451701.
```
Global Search in Programs

Program | Found locs/short description
--- | ---

- M06_SAPMV45A_TFPL8_SELECT
  - 14 ' call customer-function '404'

- MV45AF08_A6_VORSCHLAGEN
  - 26 CALL CUSTOMER-FUNCTION '002'
    - EXPORTING
      - I_TVAK = TVAK
      - I_TVTA = TVTA
      - I.VKGRP = DEFAULT.VKGRP
      - I.VKBUR = DEFAULT.VKBUR
    - IMPORTING
      - E_KUNNR = KUAGV-KUNNR.

- MV45AF08_BELEG_SICHERN
  - 911 CALL CUSTOMER-FUNCTION '003'
    - EXPORTING
      - XVBAK = VBAK
      - XVBUK = VBUK
      - XKomK = LVS_KOMK
    - IMPORTING
      - LVF_SUBRC = LVF_SUBRC
    - TABLES
      - XVBDK = XVBDK
      - XVBF0 = XVBF0
      - XVBP = XVBP

ABAP Editor: Display Include MV45AF08_A6_VORSCHLAGEN

Include | Active
--- | ---

26 CALL CUSTOMER-FUNCTION '002'
27 EXPORTING
28 I_TVAK = TVAK
29 I_TVTA = TVTA
30 I.VKGRP = DEFAULT.VKGRP
31 I.VKBUR = DEFAULT.VKBUR
32 IMPORTING
33 E_KUNNR = KUAGV-KUNNR.
34 CHECK NOT KUAGV-KUNNR IS INITIAL.
35 CLEAR VTCOMAG.
36 VTCOMAG-KUNNR = KUAGV-KUNNR.
FUNCTION EXIT_SAPMV45A_002.

**Lokale Schnittstelle:**

IMPORTING

VALUE(I_TVAK) LIKE TVAK STRUCTURE TVAK

VALUE(I_TVTA) LIKE TVTA STRUCTURE TVTA

VALUE(I_VKGRP) LIKE VBAK-VKGRP

VALUE(I_VKDBU) LIKE VBAK-VKDBU

EXPORTING

VALUE(E_KUNNR) LIKE KNA1-KUNNR

#include ZXXVAU04.

ENDFUNCTION.
### Table MODSAP Display

<table>
<thead>
<tr>
<th>Enhancement</th>
<th>(NAME)</th>
<th>0VRF0001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component type</td>
<td></td>
<td>E</td>
</tr>
<tr>
<td>Enhancement</td>
<td>(MEMBER)</td>
<td>EXIT_SAPL0VRF_001</td>
</tr>
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</table>

### Components in SAP Enhancement 0VRF0001

#### Function module exits

<table>
<thead>
<tr>
<th>Function module</th>
<th>Short Text</th>
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<tbody>
<tr>
<td>EXIT_SAPL0VRF_001</td>
<td>Customer-Specific Route Determination</td>
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#### Function codes

<table>
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<th>Program</th>
<th>Code</th>
<th>Short text</th>
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#### Screen areas
### Table: MODACT

#### Displayed Fields: 8 of 8 Fixed Columns: List Width 6280

<table>
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<tr>
<th>Project</th>
<th>Component type</th>
<th>Enhancement</th>
<th>Package</th>
<th>Correct</th>
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<td>0VRF9001</td>
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<tr>
<td>Enhancement</td>
<td>Impl</td>
<td>Exp</td>
<td>Function exit</td>
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</tbody>
</table>

Repository Info System: Find Exits

Objects

- Development Coordination
- Business Engineering
- ABAP Dictionary
- Program Library
- Class Library
- Web Dynpro
- BSP Library
- Enterprise Services
- Enhancements
  - Business Add-Ins
  - Customer Exit Exits
  - Enhancements
    - Projects
- Test Objects
- Other Objects

Standard selections

- Exitname: PACKMODI
- Shorttext:

Package:

Application Component:

Additional selections

- F module exits
- Screen areas
- Menu Entries
- Component name:

Created by:
Created on:
Last changed by:
Changed on:

Settings

- Maximum No of Hits: 1,000
Time Sheet: Initial Screen

Data Entry
Data Entry Profile: ESS-TEST
Key date: 15.09.2009

Personnel Selection
Personnel Number: 5000
CANESH1 SENTHIL1

Reminder: Intentionally incorrect data grounds for dismissal

☐ I understand and agree
write 'sandep rap'.

tables: vbak, vbpa, tdolw, mara, knai, tvko.
data: i_ty(4) type c.
i_ty = '32467'.

if i_ty(1) = '90' .
    write 'hi'.
endif.
data: vall type p decimals 14 value '= 4.745666'.
write: / vall.

DATA: time    TYPE s_flt ime,
        seconds    TYPE i.