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V S BHARGAV MYLAVARAPU

July 16, 2015 | 3 minute read

# How to find a BTE (Business Transaction Events).

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Hi Techies,

As we all know SAP has different ways of ADAPTING, SWITCHING and ENHANCING. I already explained with the document how to find a BADI in the easiest way in the below mentioned document, however it is for ABAPers.



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By Raghavender Poosarla Jan 23, 2014

<http://scn.sap.com/docs/DOC-33611>

In this document I am more explaining about how to find a BTE (Business Transaction Event) for the relevant transaction for Technical Consultants in a easy way as well. There are lot of documents and SCN posts on finding BTEs for example in a well explained blog as mentioned below.

However by this way you might take longer to reach the right one and this is purely technical way to find one in just one shot.

<http://scn.sap.com/community/erp/financials/blog/2014/05/13/how-to-search-bte>

To find a BTE is to use a breakpoint and to execute the business transaction that you're trying to find the BTEs for.

## Overview

There are two function modules that can be used to find the BTE.

Step 1:

For Process BTE use function module **PC\_FUNCTION\_FIND**.

[Adding fields to table BKPF and updating in posting transactions.](#)

By Francisco Perfecto Romero Barajas Mar 06, 2015

## Related Questions

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[Find Event For BTE](#)

By Former Member Mar 01, 2014

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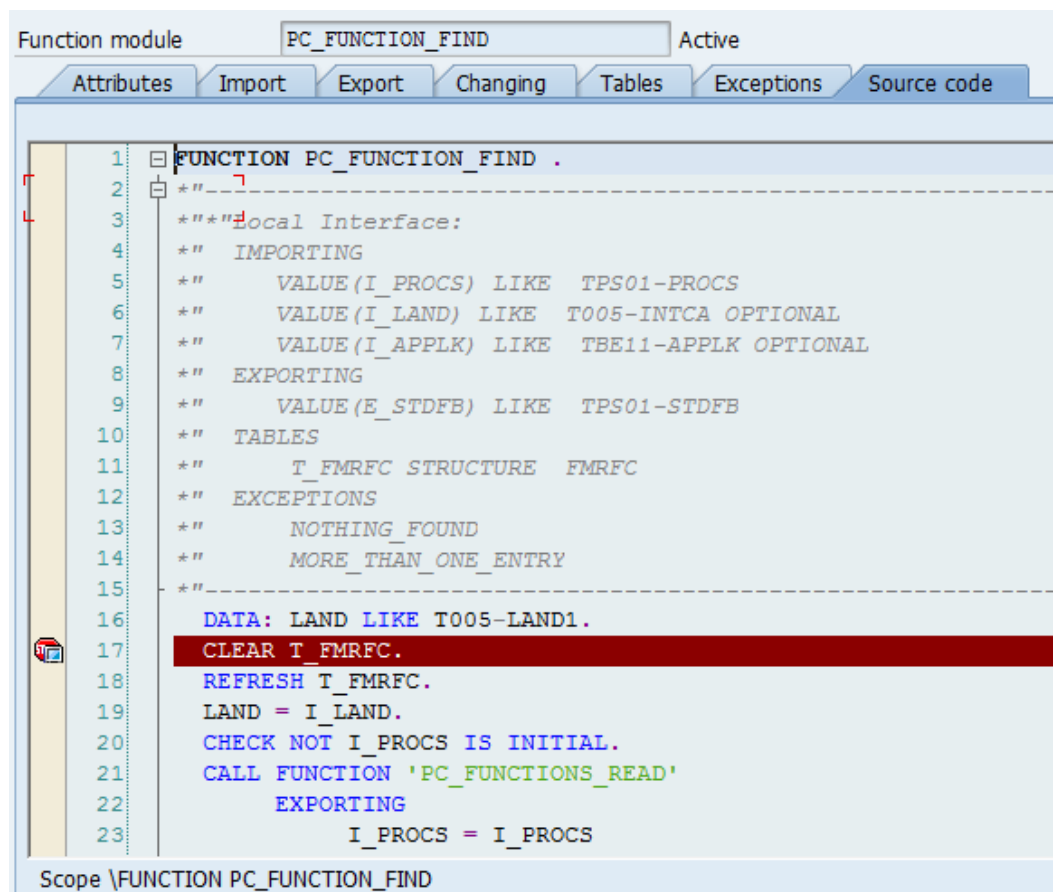
[Problem with BTE](#)

By Former Member Oct 20, 2004

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[Badi/User-exit which gets triggered after a PR is created during a MRP-Run](#)

By Former Member Mar 22, 2012



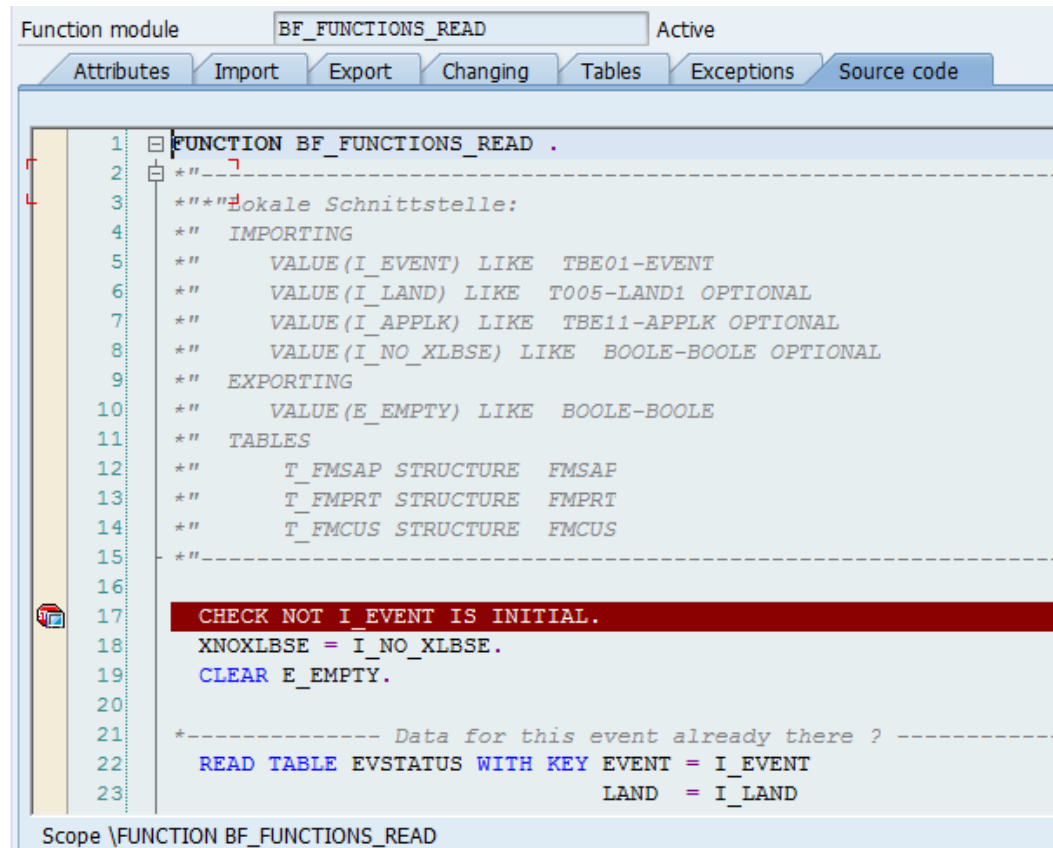
Function module PC\_FUNCTION\_FIND Active

Attributes Import Export Changing Tables Exceptions Source code

```
1 FUNCTION PC_FUNCTION_FIND .
2 *-----
3 *" Local Interface:
4 *" IMPORTING
5 *"   VALUE(I_PROCS) LIKE   TPS01-PROCS
6 *"   VALUE(I_LAND) LIKE   T005-INTCA OPTIONAL
7 *"   VALUE(I_APPLK) LIKE  TBE11-APPLK OPTIONAL
8 *" EXPORTING
9 *"   VALUE(E_STDFB) LIKE  TPS01-STDFB
10 *" TABLES
11 *"   T_FMRFC STRUCTURE  FMRFC
12 *" EXCEPTIONS
13 *"   NOTHING_FOUND
14 *"   MORE_THAN_ONE_ENTRY
15 *-----
16 DATA: LAND LIKE T005-LAND1.
17 CLEAR T_FMRFC.
18 REFRESH T_FMRFC.
19 LAND = I_LAND.
20 CHECK NOT I_PROCS IS INITIAL.
21 CALL FUNCTION 'PC_FUNCTIONS_READ'
22   EXPORTING
23     I_PROCS = I_PROCS
```

Scope \FUNCTION PC\_FUNCTION\_FIND

For Publish and Subscribe BTE use function module **BF\_FUNCTIONS\_READ**.



```

Function module BF_FUNCTIONS_READ Active
Attributes Import Export Changing Tables Exceptions Source code
1 FUNCTION BF_FUNCTIONS_READ .
2 *-----
3 *" Lokale Schnittstelle:
4 *" IMPORTING
5 *"   VALUE(I_EVENT) LIKE TBE01-EVENT
6 *"   VALUE(I_LAND) LIKE T005-LAND1 OPTIONAL
7 *"   VALUE(I_APPLK) LIKE TBE11-APPLK OPTIONAL
8 *"   VALUE(I_NO_XLBSE) LIKE BOOLE-BOOLE OPTIONAL
9 *" EXPORTING
10 *"   VALUE(E_EMPTY) LIKE BOOLE-BOOLE
11 *" TABLES
12 *"   T_FMSAP STRUCTURE FMSAP
13 *"   T_FMPRT STRUCTURE FMPRT
14 *"   T_FMCUS STRUCTURE FMCUS
15 *-----
16
17 CHECK NOT I_EVENT IS INITIAL.
18 XNOXLBSE = I_NO_XLBSE.
19 CLEAR E_EMPTY.
20
21 *----- Data for this event already there ? -----
22 READ TABLE EVSTATUS WITH KEY EVENT = I_EVENT
23                                LAND = I_LAND

```

Scope \FUNCTION BF\_FUNCTIONS\_READ

Set breakpoints in these two function modules and then execute the transaction where you need to find a BTE. Using the Display Account Transaction code.

To explain this a bit easier, I am using a simple transaction BCA\_CN\_ACCT\_03, this transaction is related to Financial Services (SAP Banking Services) module. However you can use the same way which ever the transaction you would like to find the corresponding BTEs available.

Step 2: Display the transaction to which you want to find the BTE.

**Display Account: Initial Screen**

Show Valid-On Technical Documentation

Bank Country

Bank Key  STANDARD

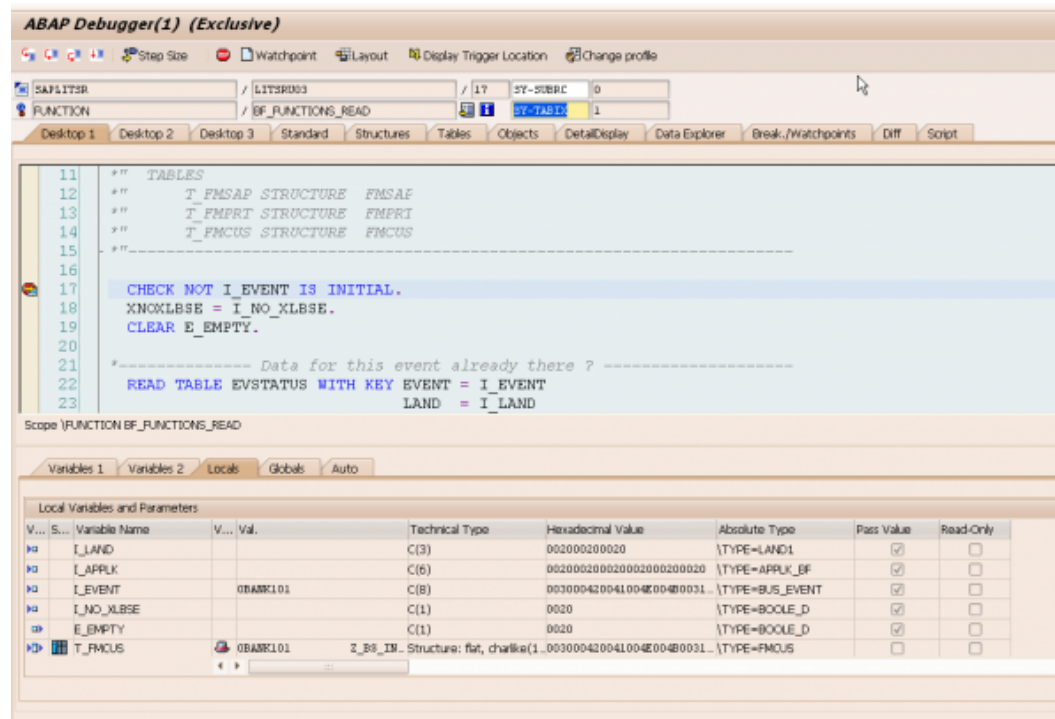
Account Number

IBAN

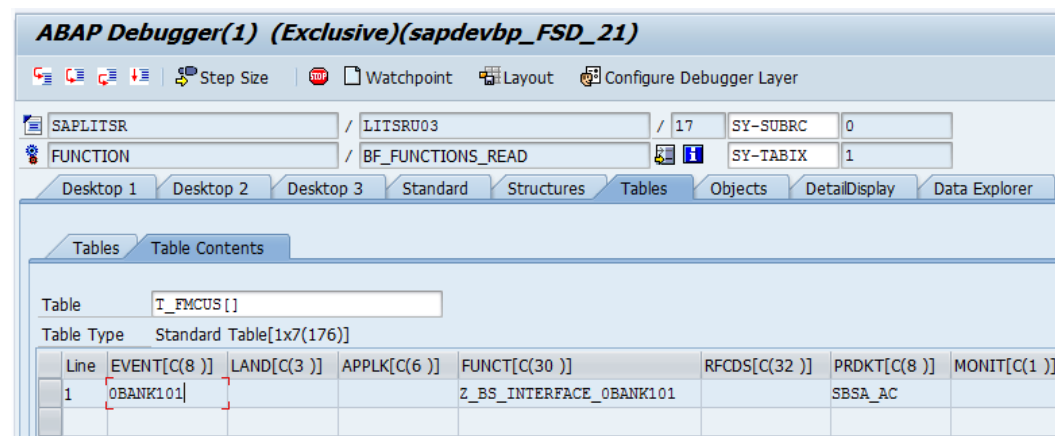
Before you hit enter after inputting in the initial screen, please make sure that your break points are active as explained in the overview.

Now hit enter or display the transaction.

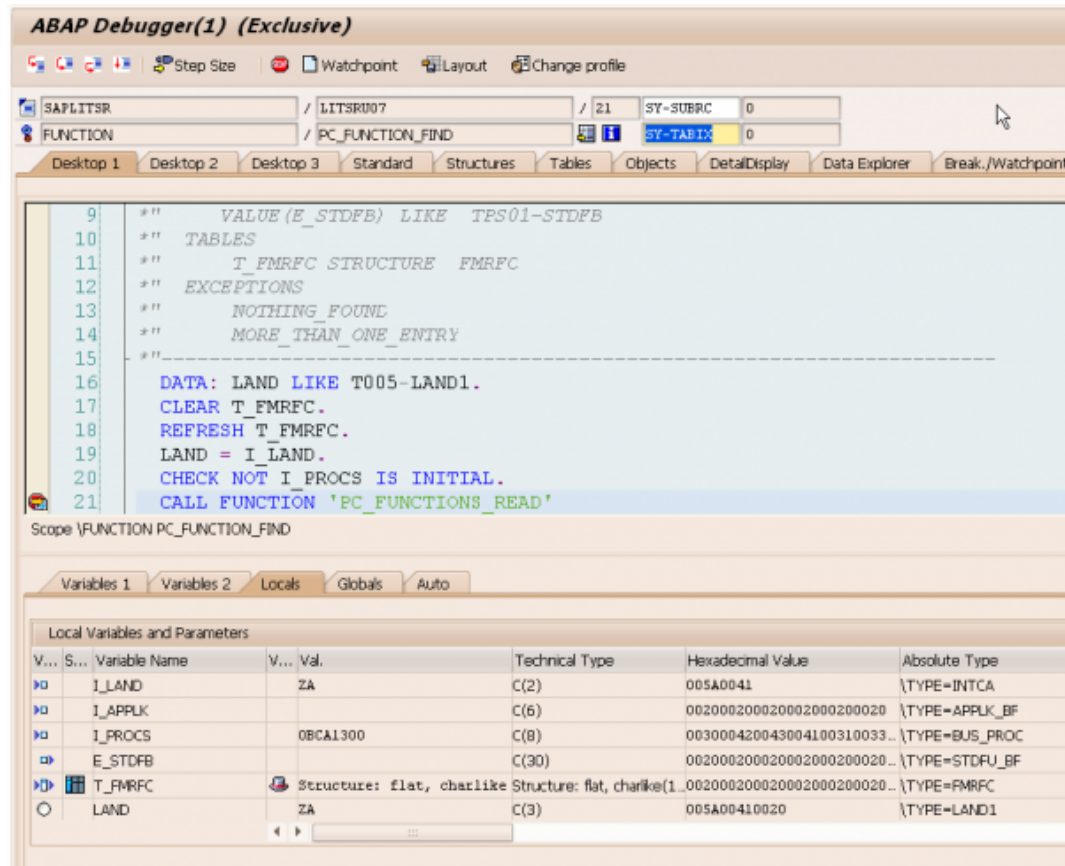
Step 3: The debugger kicks off and stops at exactly where the BTE is available as show in the below screen shot.



These are some examples of BTEs triggered on account display, in the parameter T\_FM\_CUS, you can find the BTE Event and the corresponding implementations if there are any as show in the below screen shot.



You can also see the corresponding Business Process Interfaces in the parameter I\_PROCS (Table level TPS01 and field PROCS) as shown in the below mentioned screen shot.



Now go to SE16 and see the exact process as shown in the screen shot above which is OBCA1300

**Data Browser: Table TPS01 1 Hits**

Check Table...

PROCS	INTERFACE	STDFB	PRTYP	XLBSE	XOSAP	XNASE	TEXT1	TEXT2
OBCA1300	SAMPLE_PROCESS_OBCA1300	STD_PROCESS_OBCA1300		X			Generate IBAN (International Bank Account Number)	

Hope this document helps all the technical consultants to find the right BTEs in their process of search.

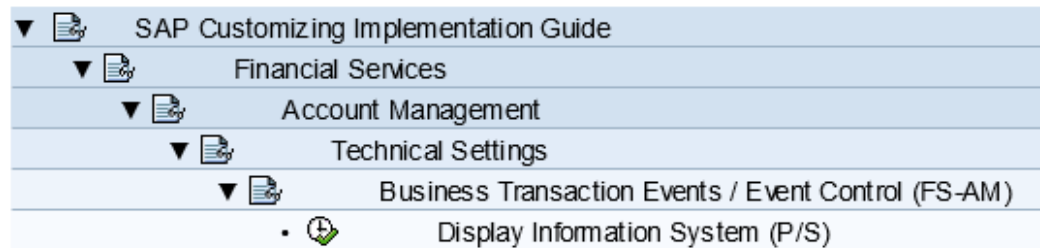
Please do comment and rate for your queries and opinions.

In continuation with my document explaining on How to find a BTE (Business Transaction Event) in Technical way.

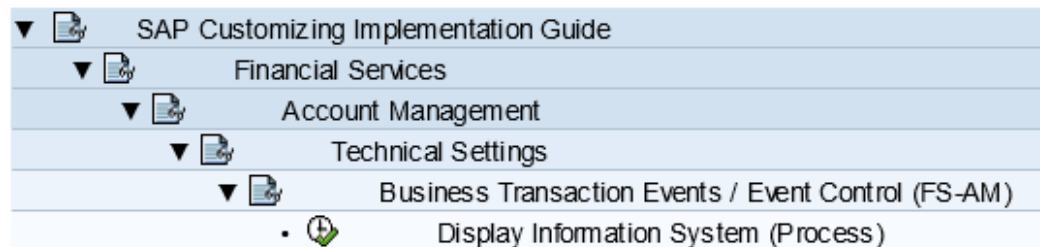
I would also explain on how to find the BTE in SAP Banking Services system. Technical way remains same across all SAP systems, but this is more like a functional way of finding the BTEs.

In general banks who are using SAP for their banking would have very complex integration and you will always need a place to enhance for custom validations. This document will explain finding the BTEs for “**Publish and Subscribe BTEs (P/S)**” and “**Process BTEs (Process)**”.

Step 1: The first way is to look for a BTE using customising menu. The same process can be used for both types of BTEs



OR



Step 2: You can then search for object related BTEs using a specific attribute



**Business Transaction Events: Publish & Subscribe Interfaces**

BTE Search for Selection Attributes

Attribute Type: A  
Selection Attrib.:

BTE Interval Search

Business Transaction Event:   
☐ Only BTEs with Active Products  
☒ Display Short Texts Only

BTE Search for

ISO code:   
Application Indicator:

BTE Search for

Partner:   
Product:

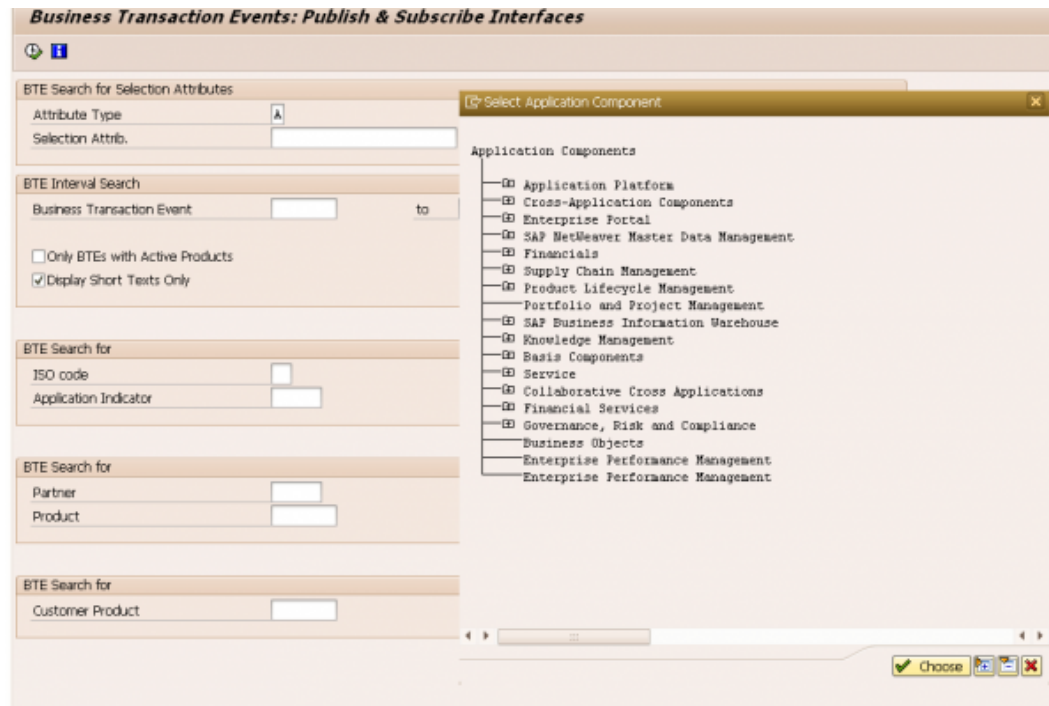
BTE Search for

Customer Product:

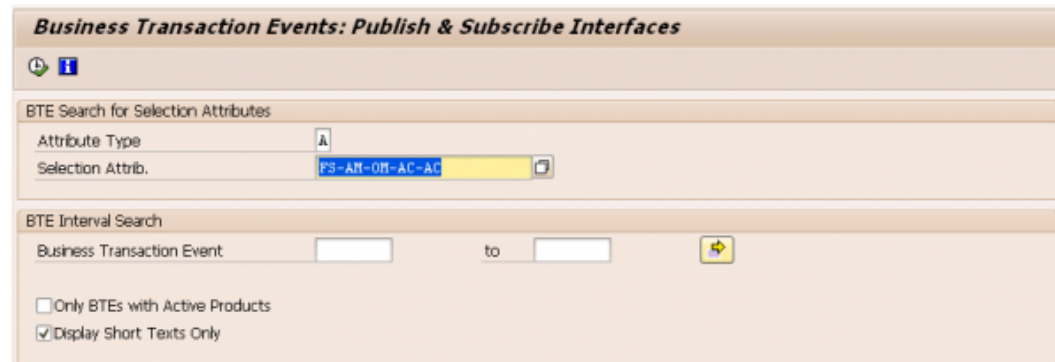
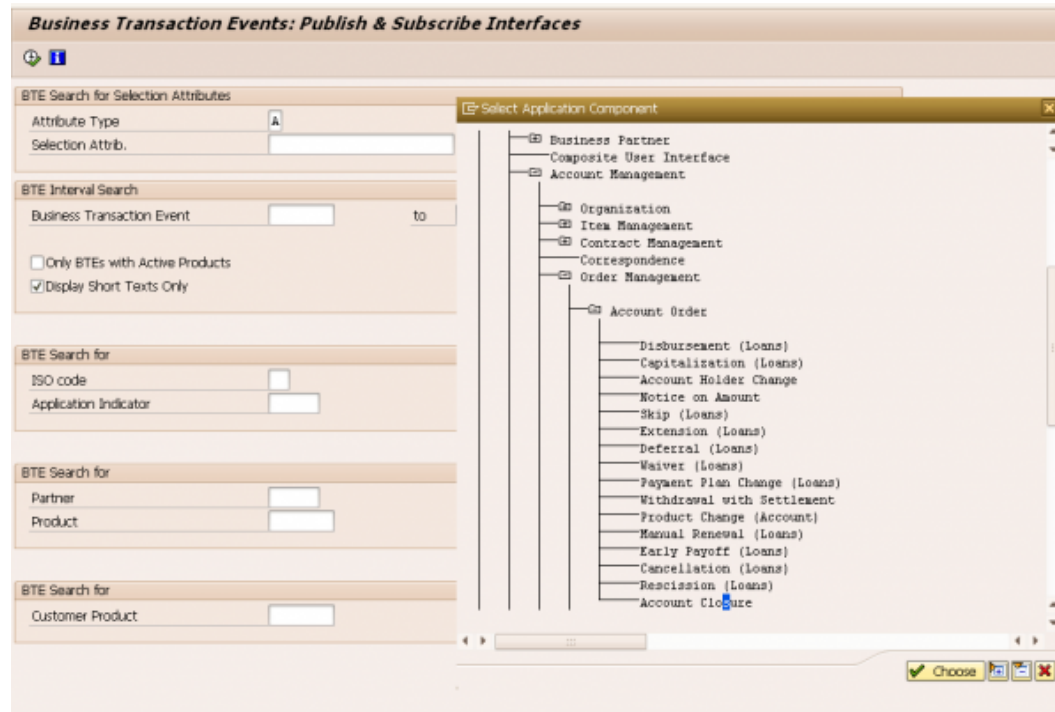
Attribute type (1) 5 Entries found

Attribute T...	Short text
A	Application Component
B	Business Object
C	Application Processes BKK
D	IMG Nodes
Z	Further Divisions

If you choose “A – Application Component”, then the Selection Attribute help will show the components



You can then select a specific component, in this example for Account Closures



Execute to see the BTEs available

**Business Transaction Events: Publish & Subscribe Interfaces**

Act. comp. Sample function module Interface Documentation

**Interfaces Found for Components**  
**Account Closure**

Event	Text
OBCA2000	Account Closure (CHECK)
OBCA2001	Account Closure (OPEN)
OBCA2002	Account Closure (SET)
OBCA2003	Account Closure (SAVE)
OBCA2004	Account Closure (CLOSE)
OBCA2005	Authorization Object F_BOTC_FCT
OBCA2006	Authorization Object F_BOTC_ORG
OBCA2007	Authorization Object F_BOTC_RSN
OBCA2008	Account Closure (CREATE)
OBCA2009	Account Closure (PREPARE)
OBCA2010	Account Closure (CHECK CHANGED)
OBCA2011	Account Closure (ACTIVATE)
OBCA2012	Account Closure (EXECUTE)
OBCA2013	Account Closure (DELETE)
OBCA2014	Account Closure (DEACTIVATE)
OBCA2015	Account Closure (REVERSE)
OBCA2016	Authorization Object F_BOTC_ACT
OBCA2017	Account Closure (RESET ACTIVITY)
OBCA2018	Counter for Settlement
OBCA2019	Authorization Object F_BOTC_FPH
OBCA2033	Account Closure (RESET)
OBCA2034	Account Closure (INQUIRE), Information

Hope this documents helps all to make it easier in finding the BTE. Please do comment and rate the document.

Best Regards,

Bhargav.



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Allan Jones Montemayor

December 14, 2020 at 4:58 pm

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