

May 2010

English



SAP Business One Add-On Solution Certification (B1-SDK) Technical Product Profile

Version	Status	Date
1.0	Final	November 2005
1.1	2.4 updated with Event Filtering	July 2006
1.2	Updated UI API section	May 2010

SAP AG
Dietmar-Hopp-Allee 16
69190 Walldorf
Germany

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Preface

This document can be seen as a checklist for all major topics to be checked during the certification process of an Add-On for SAP Business One.






This document does not substitute any kind of the release specific documentation like standards & guidelines, release notes, etc.

The compliance of the delivered Integration with major parts of this document will be checked with a SAP Business One reference system.

How to read this document

The target group for this document includes both, Vendors and SAP internal staff. The use inside SAP is for the purpose of the certification of an Add-On developed by a Vendor. The Vendor himself uses this document in advance of the certification process, to submit an integration that meets the necessary requirements for the certification. Once again: This document should not be used as a substitute for any kind of release specific documentation.

Icons

Icon	Meaning
	Caution
	Example
	Note or Tip
	Recommendation
	Syntax

1 Administrative Information


1.1 Vendor Data

Vendor Name	<Name of Vendor>
Vendor Number	< Vendor/Partner Number>
Namespace	<Reserved Namespace of the Vendor>
Contact Person	<Named contact person at Vendor side>
Certified Development Consultant(s)	<Names>
Certified Solution Consultant(s)	<Names>
Mail	<Mail address of contact person>
Phone	<Phone number of contact person>
Web Page	<Web page of the Vendor>
	<If required, extend table by additional rows>

1.2 Add-On Data

The Add-On to be certified is described by the following data (in general, a very recent Patch level of SAP Business One / SAP Business One SDK should be used (max age: a few months)):

Name & Version

Name	<Name of the Add-On to be certified>
Version 	<Version of the Add-On including Subversion & Patch level>

Supported SAP Business One Releases <List all SAP Business One releases that the Add-On should be certified with>

SDK Data

DI-API / DI Server	<Version of used Data Interface API / DI Server (incl. Patch level)>
Java Connector	<Version of used Java Connector (incl. Patch level)>
UI-API	<Version of used User Interface API>
Screen Painter	<Version of used Screen Painter>

Platform

Server component	<Server Operating System(s)>
Client component	<Client Operating System(s)>
Database systems	<Database System (incl. version information)>
Microsoft .NET	<input type="checkbox"/> Yes <input type="checkbox"/> No

1.3 Development Platform

Languages:

Visual Basic	<input type="checkbox"/>
C/C++	<input type="checkbox"/>
C#	<input type="checkbox"/>
JAVA	<input type="checkbox"/>
Other, please specify:	<input type="checkbox"/>

Tools:

Microsoft Visual Studio 6.0	<input type="checkbox"/>
Microsoft Visual Studio .NET	<input type="checkbox"/>
If others, please name all used tools here:	

2 Technical Information

2.1 Functional Overview

Please describe purpose and functionality of your solution.

Please keep your description on a higher – but still technical – level.

2.2 Solution Architecture

Please describe the architecture of your solution by providing one or more diagrams showing the different components involved (database, SAP Business One application, usage of components such as DI API, UI API, ODBC, etc. and your application).

2.3 Database Details

Do you create your own tables in SAP Business One databases?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list their names including short descriptions here (or attach as a separate document):		

Do you use User-Defined Fields?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list their names including short descriptions here (or attach as a separate document):		

Do you create your own stored procedures and / or triggers in SAP Business One databases?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list their names including short descriptions here (or attach as a separate document):		

Do you use SAP-provided stored procedures?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list their names including short descriptions here (or attach as a separate document):		

Do you create or use any other database objects in SAP Business One databases?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list their types, names including short descriptions here (or attach as a separate document):		

2.4 UI API

Do you use SAP Business One UI API?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If No , please continue with the next section.		

Do you use SAP Business One UI API together with the DI API?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please select the connection type you use:		
Single Sign On	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Shared DI API connection	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Separated DI API + UI API connection	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Do you add your own menu items into SAP Business One?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , for each item please list parent menu item, UID and text String:		

Do you create your own forms inside SAP Business One?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If Yes , please list their names including short descriptions here (or attach as a separate document):

Do you add your own items inside SAP Business One forms?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , for each item please list type and caption of the form as well as item UID and a short description here (or attach as a separate document):		

Do you modify standard items inside SAP Business One forms?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please provide a list of these forms and the information necessary to launch them.		
Note: Please add relevant test cases to display these forms in the functional testing section of this document.		

Does your Add-On handle UI API events from SAP Business One forms and SAP Business One menu items?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please specify event types, events, whether or not you are blocking events (BubbleEvent = False) here.		
Notes:		
<ul style="list-style-type: none"> • SAP recommends providing detailed documentation to the customers whenever your Add-On will change the standard behavior of the SAP Business One application. • By default, the UI API gets all the events triggered by the SAP Business One application. Most of these events may not be useful to your add-on application and handling all of them is very costly in terms of performance. Filtering unnecessary events saves a lot of processing and makes sure that your program handles only required events and ignores the rest. Once you define an EventFilters object only declared events on specified forms are notified to your add-on. More information in can be found under “Filtering Events” in the UI API documentation. 		

Do you use the ActiveX object feature of the UI API?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list these controls and their short descriptions.		
Note: Please add relevant test cases to display the forms that contain such controls in the functional testing section of this document.		
Note: SAP suggests using standard SAP Business One controls wherever possible.		

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Do you support multiple languages?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please list the languages here and specify your preferred language for the test drive.		

2.5 DI API / DI Server

Do you use SAP Business One DI API or DI Server?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If No , please continue with the next section.		

Please provide a list of used DI objects and methods using the following template:

Object (alphab. Order)	Used methods							XML	
	Add	Update	Remove	Close	Cancel	GetByKey	Others	Imp	Exp
Company							Connect, GetBusinessObject		
Items	X	X				X			
...									

Other than using the business objects provided by the SAP Business One SDK, do you use other SDK methods to update the database? (DI API's Recordset object or DI Server's "ExecuteSQL" command)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , please provide the details here:		

2.6 UDO

Do you create User-Defined Objects (UDOs)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If Yes , for each UDO please provide UID and a short description here:		
If you used UDOs and use the "Implementation DLL" feature, please specify details here:		

2.7 Other ways to connect to the database

Do you make direct connections (e.g. using ODBC) to SAP Business One databases?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If **No**, please continue with the next section.

Do you update SAP Business One databases through these connection(s)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If **Yes**, please provide details and your reasons:

3 Documentation of the Add-On

3.1 Documentation Content

Do you have an Installation Documentation available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Do you have an End User Documentation available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Do you have a Functional Documentation available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Any modification of screens is documented in the End User Documentation?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Do you document events you capture and stop from being processed further (BubbleEvent = False)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If **Yes**, please attach any of the associated documents.

3.2 Documentation Support for Multiple Languages

Documentation is available for every supported language.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Online-Help is available for every supported language.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If **Yes**, please attach any of the associated documents.

4 Quality Assurance

Please provide a description of your internal Quality Assurance process:

5 Test Drive preparation

Before the Test-drive we will need this Technical Product Profile and the documentation mentioned in section 3.

In the following, you should describe, how the final test of your product integration can be done during a Test-Drive with SAP. The test cases should show the usage of all above listed integration technologies and APIs as much as possible. SAP will ask you, to initiate maximum tracing capabilities to verify the used calls.

For each test case please provide the following details using the template below.

- Short description of the test case
- Actions to take (as relevant please specify API objects used)
- Expected results

The test cases provided in the following sections will be copied into the Test Plan.

5.1 Functional Test Cases

Add more steps below as needed

1	Title: Installation of the add-on Action: Install the add-on based on the process described in the installation guide. Result: Add-on installed successfully.
2	Title: click and overwrite Action: click and overwrite Result: click and overwrite
3	Title: click and overwrite Action: click and overwrite Result: click and overwrite
4	Title: click and overwrite Action: click and overwrite Result: click and overwrite
5	Title: click and overwrite Action: click and overwrite Result: click and overwrite
6	Title: click and overwrite Action: click and overwrite Result: click and overwrite

5.2 Performance / Load Test Cases

Does your Add-On process large volume of data?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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If **Yes**, please specify relevant test cases below.

Add more steps below as needed

1	Title: click and overwrite Action: click and overwrite Result: click and overwrite
2	Title: click and overwrite Action: click and overwrite Result: click and overwrite
3	Title: click and overwrite Action: click and overwrite Result: click and overwrite

6 Appendix

Please attach here all referenced documents.