

SAP AG

hereby confirms that the interface software IBYKUS/FMV_HF 3.1 for the product IBYKUS/FMV 3.1 of the company IBYKUS AG für Informationstechnologie. has been certified for integration with SAP ECC 6.0 EhP3 Based on an ICC Integration Assessment.

This certificate confirms the existence of product functionality in accordance with SAP certification procedures. It does not guarantee that the product is error-free.

The certification test is documented in report no. 9043855 on August 17th 2010 and expires on August 16th 2013.

Vendor Hardware: PC Intel Xeon

Vendor Operating System: Microsoft Windows Server 2003, SP2

SAP Test System: SAP ECC 6.0 EhP3

Used Integration Tools: SAP RFC Connector

This configuration meets the requirements for connecting IBYKUS/FMV_HF 3.1 to SAP applications.

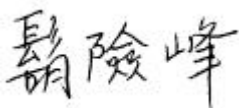
Certified Functions:

ACC_BILLING_CHECK

ACC_BILLING_POST

SAP Solution Manager Ready

Montreal Canada, August. 17th, 2010



Forrest Hu, SAP Labs, Canada

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Interface Certification

Based on an ICC Integration Assessment
Interface Description

Test Report



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Interface Certification #9043855

SAP Interface incl. Release: Based on an ICC Integration Assessment
SAP Product incl. Release: SAP ECC 6.0 EhP3

Hardware used for SAP test system: HP
Operating System of SAP test system: Windows 2003

Name of Vendor: IBYKUS AG für Informationstechnologie
Vendor Number: 1222980

Vendor Product Name: IBYKUS/FMV
Release Vendor Product: 3.1
Vendor Product Number (SAP internal): 9247018

Vendor Interface Name: IBYKUS/FMV_HF
Release Vendor Interface: 3.1

Hardware used for Vendor Test System: PC Intel Xeon
Operating System of Vendor Test System: Microsoft Windows Server 2003, SP2
Tools used for the technical integration: SAP RFC Connector

Date: August 17th 2010
Location: Montreal
Building / Room: Remote Testing
Persons present - Vendor: Sascha Klein
Brodth, Sören

Persons present - SAP: Forrest Hu

Certified Functions:

- ACC_BILLING_CHECK
- ACC_BILLING_POST

- SAP Solution Manager Ready

1. Vendor Company and Product Information


Product information	
Product web page:	www.ibykus.de
Which releases of the SAP Business Solutions does the third-party's software support? Please name the corresponding version of the software.	<input type="checkbox"/> R/3 4.6 corresponding version of vendor product:
	<input type="checkbox"/> R/3 4.7 corresponding version of vendor product:
	<input checked="" type="checkbox"/> SAP ECC 6.0 EhP3 corresponding version of vendor product: IBYKUS/FMV 3.1
	<input type="checkbox"/> other corresponding version of vendor product:
For which databases is the software available?	Greater Version Oracle Database 9i
On which server platform(s) does the software run?	Client: Windows XP, Vista, 7, Server 2003, Server 2008 Server/Database: Windows or UNIX OS

2. Functional Overview


Supported Functions and Business Processes – General Description	
Overview on the functionality and the purpose of the third-party product.	<p>IBYKUS/FMV (grant management software application) supports all activities required for the processing and management of grant applications, from the submission of the application through the approval process to final payment.</p> <p>The module „Haushaltsführung“ (HF) constitutes the subsidiary ledger for all grant programmes processed with the IBYKUS/FMV grants management software application. Posting documents can also be manually recorded in HF (e.g. for grant programmes without computerized support for the process), and posting documents can be accepted from third-party systems (grant programmes that are not processed with IBYKUS/FMV). HF can also automatically create and post posting documents.</p>

3. Performance

3.1 Performance and Scalability

<p>Overview on the architecture and design of the third-party product including performance and scalability.</p>	 Architektur_IBYKUS-F MV_3.1.pdf
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3.2 Quality Assurance

<p>Overview on Quality Assurance procedures by the third-party vendor to assure that the interface design and performance consistently conform to specified requirements.</p>	 Qualitaetsmanageme nhandbuch.pdf
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4. Software Product Assessment

4.1 Review Existing Documentation

Functional Documentation	<input checked="" type="checkbox"/> yes Comments:
Installation Documentation	<input checked="" type="checkbox"/> yes Comments:
Maintenance Documentation	<input checked="" type="checkbox"/> yes Comments:
End User Documentation	<input checked="" type="checkbox"/> yes Comments:
Test Plan Documentation	<input checked="" type="checkbox"/> yes Comments:
Test Report Documentation	<input checked="" type="checkbox"/> yes Comments:
Benchmark Results Documentation	<input type="checkbox"/> yes Comments:

4.2 Install and Configure Product for SAP Integration

How is the installation and setup of the product integration part done?	<input checked="" type="checkbox"/> good <input type="checkbox"/> average <input type="checkbox"/> poor
Remarks	

5. Test Cases

5.1 Test steps executed during Test-Drive		
	Expected Result	Test Result
5.1.1 ACC_BILLING_CHECK returns error	<p>initial situation:</p> <ul style="list-style-type: none"> ▪ posting journal entry in status 10 (not yet transfered) ▪ posting journal entry is incomplete (field BJN_1_COMP_CODE = null) <p>testing procedure (automatic process):</p> <ul style="list-style-type: none"> ▪ transfer job selects posting journal entry for transfer to SAP ▪ posting journal entry is set to status 20 (transferring) ▪ service message is send to IBYKUS/Connector (for use with SAP® BAPI®) (request / asynchronous) ▪ IBYKUS/Connector (for use with SAP® BAPI®) connects with SAP and calls BAPI ACC_BILLING_CHECK (request / synchronous) ▪ ACC_BILLING_CHECK returns error (response / synchronous) ▪ IBYKUS/Connector (for use with SAP® BAPI®) returns response message from SAP ▪ posting journal entry is set to status 21 (error durring transfer) an the following fields are updated <ul style="list-style-type: none"> ○ BJN_SAPERR = 1 (Checkbox) ○ BJN_SAPCODE = 'E' <p>BJN_SAPERRTXT = return from ACC_BILLING_CHECK</p>	OK

<p>5.1.2 G/L transaction successful transfer to SAP</p>	<p>initial situation:</p> <ul style="list-style-type: none"> ▪ posting journal entry in status 10 (not yet transfered) <p>testing procedure (automatic process):</p> <ul style="list-style-type: none"> ▪ transfer job selects posting journal entry for transfer to SAP ▪ posting journal entry is set to status 20 (transferring) ▪ service message is send to IBYKUS/Connector (for use with SAP® BAPI®) (request / asynchronous) ▪ IBYKUS/Connector (for use with SAP® BAPI®) connects with SAP and calls BAPI ACC_BILLING_CHECK (request / synchronous) ▪ ACC_BILLING_CHECK returns success (response / synchronous) ▪ IBYKUS/Connector (for use with SAP® BAPI®) connects with SAP and calls BAPI ACC_BILLING_POST (request / synchronous) ▪ ACC_BILLING_POST executes booking in SAP and returns success (response / synchronous) ▪ IBYKUS/Connector (for use with SAP® BAPI®) returns response message from SAP ▪ posting journal entry is set to status 30 (transfered) and the field BJN_SAPCODE is updated to 'S' <p>test data (posting journal entry to SAP booking), prepared posting journal entry BJN_IDENT = DSB2010000000000339 will be used:</p> <ul style="list-style-type: none"> ▪ SEGMENT1 	<p>OK</p>
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	<ul style="list-style-type: none"> ○ OBJ_TYPE = IDOC ○ OBJ_KEY = DSB20100000000000339 ○ OBJ_SYS = IBYKUS/FMV ○ HEADER_TXT = AZ002-1 Verb gg FöMiEm ○ COMP_CODE = FMV1 ○ FISC_YEAR = 2010 ○ DOC_DATE = 11.08.2010 ○ PSTNG_DATE = 11.08.2010 ○ DOC_TYPE = AZ ○ REF_DOC_NO = TestCase2 ▪ SEGMENT2 <ul style="list-style-type: none"> ○ ITEMNO_ACC = 1 ○ CUSTOMER = 0000006507 ○ REF_KEY_1 = null ○ REF_KEY_2 = null ○ BLINE_DATE = 11.08.2010 ○ PMNT_BLOCK = Z ○ ITEM_TEXT = kred. Ford. gg. Debitor (FöMi-Empf.) ▪ SEGMENT3 <ul style="list-style-type: none"> ○ ITEMNO_ACC = 3 ○ GL_ACCOUNT = 7123000000 ○ ITEM_TEXT = Aufwand aus kred. Ford. gg. Debitor (FöMi-Empf.) ▪ SEGMENT4 <ul style="list-style-type: none"> ○ ITEMNO_ACC = 1 ○ CURRENCY = EUR ○ AMT_DOCCUR = -4444,44 ▪ SEGMENT5 <ul style="list-style-type: none"> ○ ITEMNO_ACC = 3 ○ CURRENCY = EUR <p>AMT_DOCCUR = 4444,44</p>	

5.2 Performance load test steps to be executed during Test-Drive		
	Expected Result	Test Result
5.2.1 : successful transfer of 15 posting journal entries to SAP	<p>initial situation:</p> <ul style="list-style-type: none"> ▪ 15 posting journal entries in status 10 (not yet transfered) <p>testing procedure (automatic process):</p> <ul style="list-style-type: none"> ▪ transfer job selects posting journal entries for transfer to SAP ▪ posting journal entries are set to status 20 (transferring) ▪ following takes place for each posting journal entry <ul style="list-style-type: none"> ○ service message is send to IBYKUS/Connect or (for use with SAP® BAPI®) (request / asynchronous) ○ IBYKUS/Connect or (for use with SAP® BAPI®) connects with SAP and calls BAPI ACC_BILLING_CHECK (request / synchronous) ○ ACC_BILLING_CHECK returns success (response / synchronous) ○ IBYKUS/Connect or (for use with SAP® BAPI®) connects with SAP and calls BAPI ACC_BILLING_POST (request / synchronous) 	<p>OK</p> <p>Within 12 seconds the 15 postings are successfully posted in SAP</p>

	<ul style="list-style-type: none">○ ACC_BILLING_POST executes booking in SAP and returns success (response / synchronous)○ IBYKUS/Connect or (for use with SAP® BAPI®) returns response message from SAP <p>posting journal entry is set to status 30 (transferred) and the field BJN_SAPCODE is updated to 'S'</p>	
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6. Additional Service and Support

Does the third-party vendor offer consulting services for this product?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Remarks	

Does the third-party vendor offer training classes for this product?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Remarks	

Does the third-party vendor offer general problem support for this product?	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Remarks	

7. Vendor Confirmation

Vendor states that by following the guidelines of the ICC Integration Assessment or ICC Integration Guide, only the integration technologies listed in this document and in the Technical Product Profile are used in the described interface software.

Certification is only valid for the SAP release and vendor product release noted in this document; in the event of SAP component **or** third-party product release changes SAP offers re-certification of the interface software.

Certificate awarded to Vendor on August 17th 2010