SAP AG

hereby confirms that the interface software <ISV interface_name> <ISV interface release> for the product

> <ISV product name> <ISV product release>

> of the company <ICC enter CRM ISV name>

has been certified for integration with SAP NetWeaver Application Server Java 7.1 Enhancement Package 1 SP4 or greater via the SAP integration scenario JAVA-JXBP 7.1.

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

The certification test is documented in the JAVA-JXBP 7.1 Test Report with the number <ICC enter CRM Activity ID> and expires on April 24, 2008.

> Vendor Hardware: Enter 64 Bit Hardware
> Vendor Operating System: Enter 64 Bit OS
> SAP Test System: SAP NetWeaver Application Server Java 7.1 Enhancement Package 1 SP4 or greater

The test has been performed using a 64 Bit SAP NetWeaver Application Server Java 7.1 Enhancement Package 1 SP4 or greater system.

Certified Functions:

> - Information methods
> - Job operations, definitions, child and log operations
> - Vendor data operations and events operations
> - Error handling
> - SAP Solution Manager Ready

Walldorf, April 25, 2005

Last and First Name, SAP AG

Interface Certification

JAVA-JXBP
Java External Interface for Background Processing

Test Report

Version 7.1

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

- Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

- Microsoft, Windows, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

- IBM, DB2, DB2 Universal Database, OS/2, Parallel Sysplex, MVS/ESA, AIX, S/390, AS/400, OS/390, OS/400, iSeries, pSeries, xSeries, zSeries, z/OS, AFP, Intelligent Miner, WebSphere, Netfinity, Tivoli, and Informix are trademarks or registered trademarks of IBM Corporation in the United States and/or other countries.

- Oracle is a registered trademark of Oracle Corporation.

- UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

- Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

- HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

- Java is a registered trademark of Sun Microsystems, Inc.

- JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

- MaxDB is a trademark of MySQL AB, Sweden.

- SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

- The information in this document is proprietary to SAP. No part of this document may be reproduced, copied, or transmitted in any form or for any purpose without the express prior written permission of SAP AG.

- This document is a preliminary version and not subject to your license agreement or any other agreement with SAP. This document contains only intended strategies, developments, and functionalities of the SAP® product and is not intended to be binding upon SAP to any particular course of business, product strategy, and/or development. Please note that this document is subject to change and may be changed by SAP at any time without notice.

- SAP assumes no responsibility for errors or omissions in this document. SAP does not warrant the accuracy or completeness of the information, text, graphics, links, or other items contained within this material. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

- SAP shall have no liability for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials. This limitation shall not apply in cases of intent or gross negligence.

- The statutory liability for personal injury and defective products is not affected. SAP has no control over the information that you may access through the use of hot links contained in these materials and does not endorse your use of third-party Web pages nor provide any warranty whatsoever relating to third-party Web pages.

Interface Certification # <ICC enter CRM Activity ID>

SAP Interface incl. Release: **JAVA-JXBP 7.1**
SAP Product incl. Release: **SAP NetWeaver Application Server**
Java 7.1 Enhancement Package 1 SP4 or greater

64 Bit Hardware used for SAP test system:*   **Enter 64 Bit Hardware**
64 Bit Operating System of SAP test system:*   **Enter 64 Bit OS**
* **Where the Application Server Java™ EE 5 Edition is installed**

Name of Vendor (SAP internal):   **<ICC enter CRM ISV name>**
Vendor Number (SAP internal):   **<ICC enter CRM ISV number>**

Vendor Product Name: **<ISV product name>**
Release Vendor Product: **<ISV product release>**
Vendor Product Number (SAP internal):   **<ICC enter CRM ISV product number>**

Vendor Interface Software Name: **<ISV interface_name>**
Release Vendor Interface Software: **<ISV interface release>**

Certification Date: **April 25, 2005**
Expiration Date: **April 24, 2008**
Location: **Walldorf**
Persons present - Vendor: **Last and First Name**

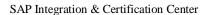**Persons present - SAP:**   **Last and First Name**

Certified Functions:

☒   **- Information methods**
☒   **- Job operations, definitions, child and log operations**
☒   **- Vendor data operations and events operations**
☒   **- Error handling**
☒   **- SAP Solution Manager Ready**

Please use the following information in order to prepare for certification and be able to go through the test cases.

1. **Make sure your read through the README1ST contained in the file called JAVAJXBP71README1ST.pdf for any last minute but not documented changes.**
2. **Make sure you read through the JXBP 7.1 documentation called <u>Connecting External Job Management Systems to the SAP NetWeaver Scheduler for Java</u> contained in the file called JAVAJXBP71DOC.pdf.**
3. **Make sure you read through the JXBP 7.1 test catalog called <u>SAP NetWeaver Scheduler for Java Test Catalog</u> contained in the file called JAVAJXBP71TC.pdf.**
4. **Make sure you looked at the JXBP 7.1 sample test report contained in the file JAVAJXBP71SAMPLETR.pdf.**
5. **Make sure you have a <u>SAP NetWeaver Application Server Java 7.1 installation. The supported version is 7.1 Enhancement Package 1 SP4 or greater.</u>**
6. **At least <u>one</u> valid <u>SAP NetWeaver Developer User license</u> needs to be present. You can obtain a license at <u>http://www.sap.com/community/survey/index.epx?SurveyID=1089</u> once a certification contract has been signed by your company <u>and</u> SAP.**

The following document abbreviations are used for the above mentioned documents. Use the document abbreviation to help you locate information to a specific test case. For example, for the test case "SAP NetWeaver Developer User license", you can find information in the **JXBPTC** document. You can also ask your designated integration consultant if any of the test cases are unclear.

Document and file name	Document Abbreviation
1. **JAVAJXBP71README1ST.pdf**	**JXBPREADME**
2. **JAVAJXBP71DOC.pdf**	**JXBPDOC**
3. **JAVAJXBP71TC.pdf**	**JXBPTC**

Below are the certification test cases. All test cases must be completed successfully in order to pass certification.

Test Cases	Information Available	Test Case Result	Notes:
SAP NetWeaver Developer User license	**JXBPTC (section 1.1.1)**	-??-	**Record the SAP installation here -> ->**
Deploy Certification Package	**JXBPTC (section 2.1)**	-??-	**If needed, make screenshots of the deployment and copy into Section A below. See also SAP note 1396620.**
Register External Scheduler	**JXBPTC (section 2.2)**	-??-	**If needed, make screenshots of the registration test and copy into Section B below.**
Create Web Service client	**JXBPTC (section 2.3)**	-??-	**If needed, make screenshots of the web service client creation test and copy into Section C below.**

Getting JXBP version	**JXBPTC (section 4.1)**	-??-	
Getting job definitions	**JXBPTC (section 5.1)**	-??-	
Search job definition by name	**JXBPTC (section 5.2)**	-??-	
Search job definition by ID	**JXBPTC (section 5.3)**	-??-	
Execute Job	**JXBPTC (section 6.1)**	-??-	
Cancel job	**JXBPTC (section 6.2)**	-??-	
Remove job	**JXBPTC (section 6.3)**	-??-	
Remove jobs	**JXBPTC (section 6.4)**	-??-	
Get job	**JXBPTC (section 6.5)**	-??-	
Get job parameters	**JXBPTC (section 6.6)**	-??-	
Get jobs	**JXBPTC (section 6.7)**	-??-	
Get job status	**JXBPTC (section 6.8)**	-??-	
Get jobs by status	**JXBPTC (section 6.9)**	-??-	
Get child jobs	**JXBPTC (section 7.1)**	-??-	
Has child jobs	**JXBPTC (section 7.2)**	-??-	
Have child jobs	**JXBPTC (section 7.3)**	-??-	
Get job log	**JXBPTC (section 8.1)**	-??-	
Remove job log	**JXBPTC (section 8.2)**	-??-	
Set Vendor Data	**JXBPTC (section 9.1)**	-??-	
Get Vendor Data	**JXBPTC (section 9.2)**	-??-	
Get JXBP Runtime Events	**JXBPTC (section 10.1)**	-??-	
Get Unhandled Events & Set Filter	**JXBPTC (section 10.2)**	-??-	
Searching for job which does not exist	**JXBPTC (section 11.1)**	-??-	
Remove non-existing job	**JXBPTC (section 11.2)**	-??-	

Execute job for non-existing job definition	**JXBPTC (section 11.3)**	-??-	
SAP Solution Manager Ready	**JXBPREADME**	-??-	**Copy results into Section D below.**

Documented Test Results – please make this information available below in a format so that anybody can use it in order to analyze a problem later on if the need arises.

_____

Section A) Deployment of Certification Package.

_____

Section B) Register External Scheduler.

_____

Section C) Create Web Service Client.

_____

Section D) SAP Solution Manager Ready.

_____

Document any other important things below if needed.

_____