



Certificate

SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software
for the product

peakboard 1.0

of the company

Peakboard GmbH

has been certified for integration with SAP S/4HANA 1511 based on ICC
Integration Assessment.

This certificate confirms the existence of product features in accordance
with SAP certification procedures. SAP only certifies successful integration of the
product with SAP solutions. Vendor is responsible for the product itself and its error-free
operation.

The certification test is documented in report no. 9918
and expires March 24, 2020.

Vendor Hardware: PC x86-64

Vendor Operating System: Windows 10 IoT Core

SAP Test System: SAP S/4HANA 1511

Used Integration Tools: certified ERPConnect from Theobald Software

This configuration meets the requirements for connecting peakboard 1.0 to
SAP S/4HANA.

Certified Functions:

Call generically all available RFC function modules and BAPIs

Call ERP Queries

Call BW Queries and InfoCubes

Unicode communication enabled

Walldorf, March 24, 2017

Christoph Claus, SAP SE

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<http://www.sap.com/icc>



SAP[®] Certified
Integration with SAP[®] S/4HANA

Interface Certification based on

**ICC Integration Assessment
for S/4HANA**

Test Report

SAP Integration and Certification Center



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Interface Certification #9918

SAP Interface incl. Release: ICC Integration Assessment for SAP S/4HANA
SAP Product incl. Release: SAP S/4HANA 1511

Hardware used for SAP test system: PC x86-64
Operating System of SAP test system: Linux

Name of Vendor: Peakboard GmbH
Vendor Number (SAP internal): 1703917

Vendor Product Name and Release: peakboard 1.0

Vendor Interface Software Name:
Release Vendor Interface Software:

Hardware used for Vendor Test System: PC x86-64
Operating System of Vendor Test System: Windows 10 IoT Core
Tools used for the technical integration:
certified ERPConnect from Theobald Software

Certification Date: March 24, 2017
Expiration Date: March 24, 2020
Location: remote
Persons present - Vendor: Khoder Elzein

Persons present - SAP: Christoph Claus

Certified Functions:

- Call generically all available RFC function modules and BAPIs
 - Call ERP Queries
 - Call BW Queries and InfoCubes
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 - Unicode communication enabled
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1. Vendor Company and Product Information

Product information	
Product web page:	www.peakboard.com
Which releases of the SAP Business Solutions does the third-party's software support? Please name the corresponding version of the software.	SAP S/4HANA 1511
For which databases is the software available?	Database independent
On which server platform(s) does the software run?	Windows 10 IoT Core

2. Functional Overview

Supported Functions and Business Processes – General Description	
Overview on the functionality and the purpose of the third-party product.	<p>Peakboard visualizes complex data quickly, easily and in real-time as digital in-house communication on displays in production, administration and point-of-sale.</p> <p>With peakboard you can extract and visualize your S/4 HANA data.</p> <p>You can extract data from the following objects:</p> <ul style="list-style-type: none"> - SAP Tables - BAPIs and Function Modules - ERP Queries - ABAP Reports and - BW InfoCubes and BEx queries. <p>ERPConnect is used as a Connector for SAP.</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>	<p>Peakboard visualizes complex data quickly, easily and in real-time as digital in-house communication on displays in production, administration and point-of-sale.</p> <p>With peakboard you can extract and visualize your S/4HANA data. ERPConnect is used as a Connector for SAP.</p> <p>ERPConnect is a lean .NET assembly that enables integration between the Microsoft .NET platform and the SAP systems.</p> <p>Considerable effort went into developing ERPConnect to meet high performance and scalability objectives. Performance is a functional requirement that the architecture and design of ERPConnect takes into account throughout the application development life cycle.</p> <p>ERPConnect development is an iterative process. Performance testing and measuring is performed between iterations.</p>
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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>	<p>Our QA team is actively involved in the development process to ensure that quality is built into the product.</p> <p>The QA team prepares the test plans, write automated tests (unit tests) and manages the bug tracking process.</p> <p>The QA team works independently but in parallel with development, and maintains checks and balances with the development team.</p>
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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	
8.2.1 RFC Call In this test case we get a Customer List by calling SD_RFC_CUSTOMER_GET. Input: <i>Name or Customer Number</i> Output: Table Customer List	OK
8.2.2 Query Call In this test case we execute a the query CONNECTIONS_02 in the user group /SAPQUERY/QD in the GLOBALAREA workspace. We use a variant to set the parameters CARRID. Output: Query result as table	OK
8.2.3 Extract BWCUBE using MDX In this test case we call the InfoCube \$0D_DECU by selecting the desired dimensions and measures and get the output as a table.	OK
8.2.4 Extract BEx Query using MDX In this test case we call the BEx Query \$0D_DECU/VARDEMO01 by selecting the desired dimensions and measures and get the output as a table.	OK

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	support@peakboard.com

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.