Certificate
SAP INTEGRATION CERTIFICATION

SAP SE hereby confirms that the interface software **ERPIS 400_700** for the product **ShipERP 4.1** of the company **ERP Integrated Solutions, LLC** has been certified for deployment on SAP ECC 6.0 via the SAP integration scenario **ABAP Add-On Deployment for SAP Enterprise Resource Planning.**

This certificate confirms the technical compliance of **ShipERP 4.1** with SAP certification procedures.

The certification test is documented in report no. **20181** and expires on **April 14, 2025.**

SAP Test System:　　　SAP ECC 6.0

The certification is listed on the SAP Certified Solutions Directory: sap.com/csd.

Certified Functions:

    Assign Software Component and Namespace
    Package Add-On using SAP Add-On Assembly Kit
    Deploy using SAP Add-On Installation Tool (SAINT)
    Integration with SAP Enterprise Resource Planning
    Technical Uninstallation Test
    SAP Solution Manager Ready functionality

MaiAnh Chu-Nguyen
Palo Alto, April 14, 2022

SAP® Certified
Integration with SAP NetWeaver®

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Interface Certification: Test Report

ABAP Add-On Deployment for SAP Enterprise Resource Planning

Interface Certification: 20181

SAP ICC Integration Scenario	**ABAP Add-On Deployment for SAP Enterprise Resource Planning**
SAP Product incl. Release used for Test	**SAP ECC 6.0**
SAP Solution	**SAP Enterprise Resource Planning**
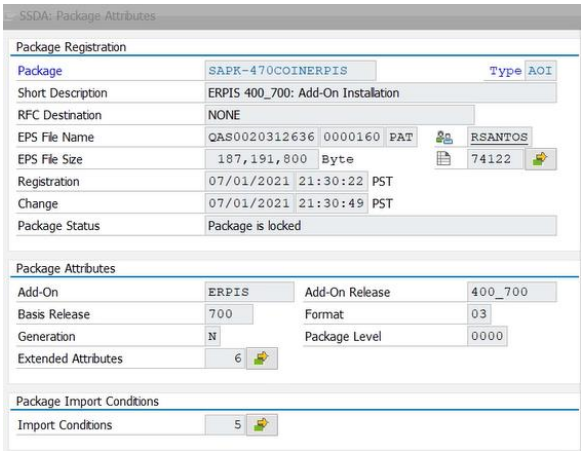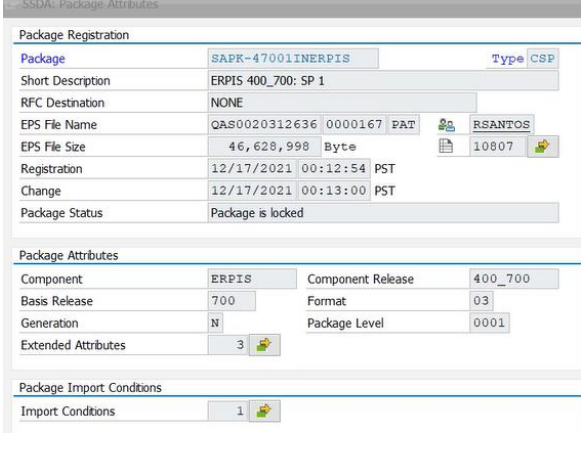
Vendor Name	**ERP Integrated Solutions, LLC**
Vendor Number	**918420**
Vendor Product Name & Release	**ShipERP 4.1**
Vendor Interface Name & Release	**ERPIS 400_700**
Operating System of Vendor Test System	**Linux**
Tools used for the Technical Integration	
Language Version Tested	**English**
Certification Date	**April 14, 2022**
Expiration Date	**April 14, 2025**
Location	**Palo Alto**
Person Present - Vendor	**Richard Santos**
Person Present - SAP	**MaiAnh Chu-Nguyen**

## Certified Functions:

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1. TECHNICAL PRODUCT INFORMATION

Product information	
Product/Company web page:	https://shiperp.com/
Product is certified for:	SAP ECC 6.0
Support contact information:	support.erp-is.com

ABAP Components of the Solution	
Following PAT file(s) and Software Component Versions belong to the Add-On solution and were deployed successfully:	
List of PAT Files:	List of Software Component Versions: ERPIS 400_700

SSDA: Package Attributes

Package Registration

Package	SAPK-470COINERPIS Type AOI
Short Description	ERPIS 400_700: Add-On Installation
RFC Destination	NONE
EPS File Name	QAS0020312636 0000160 PAT RSANTOS
EPS File Size	187,191,800 Byte 74122
Registration	07/01/2021 21:30:22 PST
Change	07/01/2021 21:30:49 PST
Package Status	Package is locked

Package Attributes

Add-On	ERPIS	Add-On Release	400_700
Basis Release	700	Format	03
Generation	N	Package Level	0000
Extended Attributes	6		

Package Import Conditions

Import Conditions	5

SSDA: Package Attributes

Package Registration

Package	SAPK-47001INERPIS Type CSP
Short Description	ERPIS 400_700: SP 1
RFC Destination	NONE
EPS File Name	QAS0020312636 0000167 PAT RSANTOS
EPS File Size	46,628,998 Byte 10807
Registration	12/17/2021 00:12:54 PST
Change	12/17/2021 00:13:00 PST
Package Status	Package is locked

Package Attributes

Component	ERPIS	Component Release	400_700
Basis Release	700	Format	03
Generation	N	Package Level	0001
Extended Attributes	3		

Package Import Conditions

Import Conditions	1

Comments:

External Components of the Solution

Is there an external component, not written in ABAP, but integrated with the Add-On and belonging to the standard shipment of the solution?

☐ Yes
☒ No

Integration with other SAP Solutions through REST / oData

Transfer of Application Interface Register Key (AIR Key)

If ABAP Add-On integrates with other SAP Solutions through REST APIs or oData services using http/http(s) communication protocol, then the transfer of AIR Key must be implemented

Integration through REST APIs / oData services and AIR Key transfer implemented.	☐ yes ☒ no
AIR Key value	N/A

Compatibility with SAP S/4HANA Cloud, private edition

Confirmation below was given to SAP by the vendor.

☐ yes, ABAP Add-On is compatible with SAP S/4HANA Cloud, private edition, because:

- Add-On does not require operating system-level access.

- Add-On does not have dependencies on additional components outside the ABAP stack, but within the S/4HANA Cloud environment.

☐ no, ABAP Add-On is not compatible

☒ no, because this certification is not valid for SAP S/4HANA

2. FUNCTIONAL OVERVIEW

Supported Functions and Business Processes – General Description
Overview on the functionality and the purpose of the 3rd party product.

ShipERP is a Certified multi-carrier shipping solution facilitates all forms of shipping including Small Parcel, Less than a Truckload (LTL), and full Truck Loads (TL).

o   * One Single SAP Shipping Platform

o   * Integrates with all major carriers

o   * Real-time shipment creation

3. PRODUCT IMPLEMENTATION

3.1 List of used SAP objects

The list below has been given to SAP by the Vendor, for reference purposes.
SAP cannot guarantee that it's a complete list.

List of used SAP Function Modules / BAPIs / RFCs / IDocs / Classes … or other SAP building blocks

WS_DELIVERY_UPDATE	FORMAT_MESSAGE	HU_POST
BAPI_HU_CREATE	MAP2E_VEKPVB_TO_BAPIHUHEADER	RV_SHIPMENT_VIEW
HU_PACKING_REFRESH	HU_GET_HUS	HU_PACKING_AND_UNPACKING
HU_PACKING_INITIALIZE	HU_HEADER_UPDATE	

4.1 Performance and Scalability

Overview on the architecture and design of the product including performance and scalability.	ShipERP is 100% abap solution and utilizes web services to leverage shipping carrier functionality. The web services can be made directly from ECC to the carrier and also can go through XI/PI. Performance is dependant on HTTPS traffice and the size of carrier's systems. Typically it takes 2-3 seconds to print labels

4.2 Quality Assurance

Overview on Quality Assurance procedures from the vendors to assure that the interface design and performance consistently conform to specified requirements.	Before releasing a support package, ShipERP is installed in the Delivery system. All ShipERP functionality is tested in the delivery system before the package is released.
The following quality documents exist:	
Test Plan Documentation	☐ yes
Test Report Documentation	☐ yes
Benchmark Results Documentation	☐ yes
Comments	

4.3 Security

The Add-On Development Lifecycle ensures security	OK
The Add-On does not contain any **Cross-Site Scripting (XSS)** vulnerabilities	OK
The Add-On does not contain any **memory corruption** vulnerabilities	OK
The Add-On does not contain any **SQL or other data query and manipulation language injection vulnerabilities**	OK
The Add-On does not contain any **Path Traversal vulnerabilities**	OK
The Add-On does not contain any **intentionally hidden and non-documented features** that circumvent security measures (backdoor)	OK
Comments:	

5. SOFTWARE PRODUCT ASSESSMENT

5.1 Check Documentation

Functional Documentation	☒ yes
Installation Documentation	☒ yes
Maintenance Documentation	☒ yes
End User Documentation	☒ yes
Uninstallation Documentation, according to SAP Note 1883223.	☒ yes
Comments :	

6. TEST CASES

6.1 Checks performed by the Add-On Assembly Kit (AAK)	
Invalid objects	OK
Existence of objects and table entries to be delivered	OK
Assignment to namespace	OK
Delivery of CVERS entries (R3TR VERS) not possible	OK
New objects (entries) in Support Package/CRT	OK
Table entries (check if delivery-relevant/delivery behavior)	OK
Assignment to development class and software component	OK
Table entries in customer name range (protected: TRESC)	OK
Included AAK Log of Performed Checks	☐ yes ☒ no
Comments: No log included, because everything was ok.	

6.2 Technical Uninstallation Test	
Add-On can be uninstalled	☒ yes

Without special precautions, the uninstallation leads to a complete **removal of all data and tables** that were created and implemented with the Add-On in the system. In this case, it is in the responsibility of the Add-On supplier together with the customer, to save the data that is legally relevant and should not be deleted. In addition, it can be useful to perform a system copy in advance and/or to create a backup. **The handling of data that was created with the Add-On has neither been checked explicitly, nor certified.**	
After deployment, Add-On is displayed in transaction SAINT as "uninstallable"	OK
Vendor provides a detailed uninstallation documentation, including: • A list of workbench objects that need to be handled manually • The handling of data that was produced with the Add-On	OK
Add-On was successfully uninstalled after the deployment, i.e. the objects located in vendor's namespace were deleted.	OK
Comments:	

6.3 Describe test steps to be executed during functional test

The test cases below were executed to check that the Add-On could run without problems in the SAP environment. SAP does not validate or confirm the correct functionality of the Add-On.

All test cases below were executed successfully:

1 Rate small parcel package

2 Address Validation

3 Ship small parcel package

4 Track a small parcel package

5 Cancel Small parcel shipment

7. PARTNER CONFIRMATION

Partner states that by following the guidelines of the ICC Integration Assessment or ICC Integration Guide, only the integration technologies listed in this document are used in the described interface software.
ABAP Add-On Deployment Certification is only valid for the SAP release and partner product release noted in this document; in the event of SAP **or** partner release changes SAP offers re-certification of the interface software.
The partner solution **has not been deployed or tested on SAP Solution Manager** as part of the certification procedure. It's therefore not "certified for SAP Solution Manager".

www.sap.com/contactsap

SAP Integration and Certification Center (SAP ICC)

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