



4<sup>th</sup> October 2022

PLANETA INFORMATICA LTDA  
Attn: Artur Costa  
Avenida Romeu Tortima, 272, 130  
Campinas, Sao Paulo, 13084791  
Brazil

**Approval Number: 41.FIME.PLANETA.SCR916.20221004-F**

RE: Expresspay 4.1 Reader Certification  
Product Name: SCR916 CL\_SAM  
Firmware Version: 4.1  
As tested in: SCR916 CL\_SAM  
**Transit Access Terminal only**

Dear Artur,

We are pleased to inform you that American Express has certified the **SCR916 CL\_SAM** for Expresspay 4.1 using Firmware Version **4.1**. This Expresspay 4.1 certification is valid for three years from the date of issuance.

The certification process addresses the acceptance of American Express Proximity Device capabilities.

Because the certification process cannot possibly test for every scenario, the discovery of any subsequent bugs or issues may require the correction and recertification of your software, firmware, and/or hardware.

Sincerely,

*Maguire Gillen*

Maguire Gillen  
Network and Acquirer Solutions  
American Express

If you have questions or for additional certification requests, please send an email to [axp.contactless.terminal.support@aexp.com](mailto:axp.contactless.terminal.support@aexp.com)

## OBSERVATIONS

- Device: **SCR916 CL\_SAM** is not PCI compliant and has been reviewed by Information Security.

# Expresspay 4.1.0 Contactless Reader Implementation Conformance Statement

### **Confidential and Trade Secret Materials**

This document contains sensitive, confidential and trade secret information and may not be disclosed to third parties without the prior written consent of American Express Travel Related Services Company, Inc.

The policies, procedures, and rules in this manual are subject to change from time to time by American Express Global Network Services.

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### **Summary of Changes**

Date	Version	Modification
June 2021	1.0.0	Baseline document – Expresspay 4.1.0

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### 1.1. Purpose of the Document

The purpose of this document is to capture the implementer specific options for contactless readers submitted for Expresspay contactless reader functional type approval. Readers are submitted for type approval to prove compliance with the functional requirements as defined in [SPEC].

### 1.2. Out of Scope

The following are considered out of scope of this document:

- Details of functional and technical requirements as specified in [SPEC].
- Details of the certification process as specified in [PROC].

### 1.3. Audience

The document is intended to be used by:

- American Express;
- Terminal vendors;
- Reader application developers;
- Test tool vendors;
- Expresspay accredited testing laboratories.

### 1.4. Reference Documents

The following references are cited by this document:

Reference	Document
[PROC]	Expresspay Terminal Level 2 Approval Process
[SPEC]	Expresspay Terminal Specification (Expresspay 4.0.x)

### 1.5. Organization of Document

This document is organised in three sections as follows:

- Certification Information – asks about the product to be certified, previous certification of the kernel and contactless components and details of the vendor;
- Product Information – asks general questions about the product to be certified and the architecture employed;

- Implementation Information – asks detailed questions about the implementation of the Expresspay kernel within the product and support for optional features;
- Declaration.

## **1.6. Terminology and Conventions**

In this document, the use of the words “shall” and “must” indicate mandatory requirements. Use of the words “should” or “advised” indicate recommendations and best practice guidelines.

## 2.0 Implementation Conformance Statement

### 2.1. Certification Information

Certification Request	
Product name	SCR916 CL_SAM
Product version <i>If applicable.</i>	38.14
Certification type	<input type="radio"/> New Kernel Certification  <input type="radio"/> Kernel Update (modification of previously certified kernel)  <input checked="" type="radio"/> Device Update (using unmodified previously certified kernel)
If this is a kernel or device update, please provide the existing Expresspay Level 2 certification number for this product.	41.FIME.PLANETA.ACS.20221004-B
If this is a device update, please provide details as to which components are different than those in the originally certified product	We certified the SAM inserted into in the L1 certified ACS LVC312 reader and now the SAM is inserted in the SCR916 reader

Vendor information					
Company legal name	PLANETA INFORMATICA LTDA				
DBA <i>If different from legal name.</i>					
Company address	AVENIDA ROMEU TORTIMA, 272				
Postcode	13084791	City	CAMPINAS	State/province	SAO PAULO
Country	BRAZIL				
Primary contact's details (This will be used for all Expresspay contactless reader type approval communication)					



First name	Artur	Last name	COSTA
Title	CEO		
Email address	<a href="mailto:acosta@planeta.inf.br">acosta@planeta.inf.br</a>		
Telephone	+5519991834466	Fax	+551932491717
Company address	AVENIDA ROMEU TORTIMA, 272		

EMVCo Level 1 Certification details	
Version of EMV Contactless Protocol supported	EMVCO 3.0
Level 1 Approval number	17373 0421 300 30a 30a FIME
Date EMV Contactless Protocol certification received  <i>If the reader has not yet received EMV Contactless Protocol certification, please provide the certification start date.</i>	04/07/2021

## 2.2. Product Information

Product details	
Reader type	<input type="radio"/> Integrated reader <input type="radio"/> Intelligent reader <input checked="" type="radio"/> Transparent Reader
Operating System name and version	SCR_RTOS V0.5

Reader architecture	<input checked="" type="radio"/> Modular <input type="radio"/> Non-Modular
mPOS Architecture (Please choose 'Not applicable' if reader is <b>not</b> mPOS)	<input checked="" type="radio"/> Not applicable <input type="radio"/> Accessory (mPOS-A) <input type="radio"/> Accessory with PIN entered on the COTS Device (mPOS-ASP) <input type="radio"/> Contactless Payment on COTS Device (mPOS-C) <input type="radio"/> Contactless Payment and PIN entered on COTS Device (mPOS-CSP) <input type="radio"/> Other - Please provide details in the next box
mPOS Architecture description (Please complete if 'Other' is selected in the previous box)	
Is the reader a Transit Access Terminal only? (For informational only. This is not applicable to mPOS)	<input checked="" type="radio"/> Yes <input type="radio"/> No
Version number of the Expresspay kernel application to be certified	4.1
Version number of any test application required for certification	1.3.0

Modular architecture details <sup>1</sup> (To be completed if the reader employs a modular architecture.)	
Terminal Architecture Name / Identifier	CL_SAM 38.14
Modular Approval Number	PLANETA.CLSAM.20220606
Checksum function output value for the Expresspay kernel, and any referenced libraries, to be certified  <i>Instructions for how to trigger the checksum function must be included with the completed ICS form.</i>	<b>0x15489032</b>

Proximity Coupling Device details (This is not applicable to mPOS-C or mPOS-CSP)	
PCD ID  <i>A unique ID which identifies the PCD embedded in the product.</i>	SCR916 V1.0
PCD hardware name or model number	SCR916-rev00 V02
PCD software name	SCR916-NFC

<sup>1</sup> Please note that filling in this section is not a request for Modular Label approval. A separate approval request form needs to be completed. Kindly contact your American Express representative for further information.

Software version	2.7.6
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PIN Entry Device information (also applicable to mPOS-A)	
Is PIN entry supported?	<input type="radio"/> Yes <input checked="" type="radio"/> No
<b>PED Details</b> (Please complete if the reader supports PIN entry device. This is not applicable to mPOS-C or mPOS-A)	
PED Model name	
PED software version	
PED architecture	<input checked="" type="radio"/> Standalone <input type="radio"/> Integrated with reader <input type="radio"/> Integrated with terminal

<b>Test device details</b> (Additional information should be provided, if necessary, in the space provided at the end of this form.)	
Reader serial numbers	M467400035 M467400064 M467400084 M467400095

### 2.3. Implementation Information

Where the reader is hard-coded to support, or not support, particular functionality, please check 'Yes' or 'No' as appropriate in answer to the questions below. Where the reader can be configured (without modification to the Expresspay kernel or any referenced libraries) to support, or not support, particular functionality, please check 'Configurable'. Readers which support such configuration are known as multi-configuration kernel readers.

The inclusion of any 'Configurable' answers will identify your reader as being able to be configured to support a variety of implementation requirements from your customers. Your reader will be tested using a variety of configurations to ensure that it is certified for implementation in any of the potential configurations that result from its capabilities. This provides the greatest flexibility for you and your clients whilst providing American Express with the necessary confidence in the product.

Pre-Kernel processing	
<p>Can the reader operate in <b>Expresspay EMV Mode only</b>?</p> <p>Please choose 'Yes' if the reader is mPOS-C or mPOS-CSP or 'Configurable' for <b>ALL</b> other readers.</p> <p>'Yes' indicates that the reader is hardcoded to operate in <b>EMV mode only</b>. This will be the only supported transaction mode.</p> <p>'Configurable' means that the reader can be configured to operate in either <b>EMV mode only</b> or <b>EMV and Magstripe Mode</b>.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> Configurable</p>
<p>Does the reader check it has an online connection <b>during preprocessing before activating the kernel</b>?</p> <p>Please choose 'Yes' if the reader is mPOS-C or mPOS-CSP or 'No' for <b>ALL</b> other readers.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>
<p>Does the reader detect it will be unable to go online during <b>prePDOL processing before starting a transaction</b>?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>

Configurable unpredictable range for Expresspay Magstripe mode transactions  <i>Default UN range is 0 to 60.</i>  Please complete only if the reader supports Expresspay Magstripe mode; otherwise, please check the “Not applicable” box.	0 to <u>60</u>  <input type="checkbox"/> Not applicable  60
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Contactless transaction types supported	
Are “Cash” transactions supported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Configurable  If the above answer is “Yes” or “Configurable”, then which type of “Cash” transactions are supported:  <input type="checkbox"/> Domestic <input type="checkbox"/> International
Are “Cashback” transactions supported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Configurable  If the above answer is “Yes” or “Configurable”, then which type of “Cashback” transactions are supported:  <input type="checkbox"/> Domestic <input type="checkbox"/> International

<p>Are “Goods and Services” transactions supported?</p>	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p> <p>If the above answer is “Yes” or “Configurable”, then which type of “Goods and Services” transactions are supported:</p> <p><input checked="" type="checkbox"/> Domestic</p> <p><input checked="" type="checkbox"/> International</p>
<p>Are “ATM” transactions supported?</p> <p>Please choose ‘No’ for <u>ALL</u> mPOS readers.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p> <p>If the above answer is “Yes” or “Configurable”, then which type of “ATM” transactions are supported:</p> <p><input type="checkbox"/> Domestic</p> <p><input type="checkbox"/> International</p>
<p>What type of operational control is supported by the Terminal?</p>	<p>Operational Control:</p> <p><input type="checkbox"/> Financial Institution</p> <p><input checked="" type="checkbox"/> Merchant</p> <p><input type="checkbox"/> Cardholder</p>
<p>Please specify the environment in which the Terminal will operate:</p> <p>Please choose ‘Attended’ for <u>ALL</u> mPOS readers.</p>	<p>Environment:</p> <p><input type="checkbox"/> Attended</p> <p><input checked="" type="checkbox"/> Unattended</p>

<p>Is the Terminal type “Offline only”?</p> <p><b>Note:</b> If the terminal type is “Offline with online capability”, then the only valid options are either “No” or “Configurable”</p> <p>Please choose ‘No’ if the reader is mPOS-C or mPOS-CSP.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>
<p>Is the Terminal type “Online only”?</p> <p><b>Note:</b> If the terminal type is “Offline with online capability”, then the only valid options are either “No” or “Configurable”</p> <p>Please choose ‘Yes’ if the reader is mPOS-C or mPOS-CSP.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>

Other Interfaces supported	
<p>Does the reader support the AEIPS contact interface?</p> <p>Please choose ‘No’ if the reader is mPOS-C or mPOS-CSP.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>

Transaction Processing Capability	
<p>Is the reader capable of processing transactions with Delayed Authorization?</p> <p>Please choose ‘No’ if the reader is mPOS-C or mPOS-CSP.</p>	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>
<p>Is the reader capable of displaying, printing or communicating the TVR to the test tool after the GENAC1 command is completed during a Magstripe Mode transaction?</p> <p>Please choose ‘No’ for mPOS-C or mPOSCSP readers.</p>	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>



Offline data authentication	
<p>Expresspay requires that all Terminals must support SDA. The enablement of SDA support must be configurable for deployment.</p> <p>Please confirm that this is the case by checking the 'Configurable' checkbox.</p>	<input checked="" type="checkbox"/> Configurable
<p>Expresspay requires that all Terminals must support CDA. The enablement of CDA support must be configurable for deployment.</p> <p>Please confirm that this is the case by checking the 'Configurable' checkbox.</p>	<input checked="" type="checkbox"/> Configurable
<p>What is the maximum length of CA public key supported by the reader?</p>	<p><u>2040</u> bits</p>
<p>Does the reader support revocation of an installed CA public key without the key's removal?</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Configurable
<p>Does the reader detect CDA failure during Issuer or ICC public key recovery prior to the First Terminal Action Analysis?</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Configurable
Processing Restrictions	
<p>Is Dynamic Reader Limits functionality implemented and configurable for use?</p> <p>Please choose 'No' if the reader is mPOS-C or mPOS-CSP or 'Yes' for all other readers.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

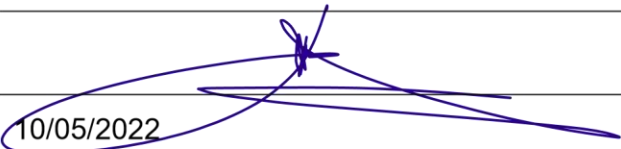
Is exception list processing supported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Configurable
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Cardholder verification	
<p>Does the reader support Online PIN as a CV method?</p> <p>If supported, the enablement of Online PIN capability must be configurable at deployment.</p> <p>Please choose 'No' if the reader is mPOS-C and 'Configurable' for all the other readers.</p>	<input type="checkbox"/> No <input checked="" type="checkbox"/> Configurable
<p>The reader must be able to support Signature CVM as a CV method. The enablement of Signature CVM capability must be configurable at deployment.</p> <p>Please confirm that this is the case by checking the 'Configurable' checkbox.</p>	<input checked="" type="checkbox"/> Configurable
<p>The reader must be able to support Mobile CVM as a CV method. The enablement of Mobile CVM capability must be configurable at deployment.</p> <p>Please confirm that this is the case by checking the 'Configurable' checkbox.</p>	<input checked="" type="checkbox"/> Configurable
<p>The reader must support a configurable deactivation timer for when restarting transactions due to Mobile CVM failure. The default value of this timer shall be 1.5 seconds.</p> <p>Please choose 'Not applicable' for mPOS-C or mPOS-CSP or choose 'Yes' for all other readers.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not applicable

<p>Is the reader exempt from No CVM checks?</p> <p>Please choose 'No' if the reader is mPOS-C or mPOS-CSP.</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>
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Printing or emailing receipts	
<p>Is the reader connected to a terminal with a printing capability or, in the case of mPOS terminals, can provide electronic receipts via email or an alternative method?</p> <p><i>Note: This is mandatory for an integrated reader.</i></p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>
<p>Is the printing or displaying/emailing of Terminal Verification Results supported?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>
<p>Is the printing or displaying/emailing of Authorisation Response Codes supported?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>
<p>Does the reader support Cardmember display messages?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p>

Membership-Related Data Processing	
<p>Does the reader support membership-related data processing?</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Configurable</p>

<b>I confirm that all of the information I have provided, in answer to the questions on this form, is correct and complete.</b>	
Please confirm that the terminal does not support random transaction selection or velocity checking for Expresspay transactions.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
Please confirm that all terminal data elements and all card public data elements can be retrieved from the kernel.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
Please confirm that any data elements that can be retrieved from the kernel are not filtered.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
Name	Artur COSTA
Title	CEO
Signature	
Date	10/05/2022
<b>Modular Architecture Declaration<sup>2</sup></b> (To be completed if the reader employs a modular architecture)	
Please confirm that the terminal architecture identified above is structured using self-contained modules that can be updated independently.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
Please confirm that the terminal architecture identified above is capable of calculating a unique checksum value over the Expresspay kernel and any external libraries utilised in the processing of Expresspay transactions.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed

<sup>2</sup> Please note that filling in this section is not a request for Modular Label approval. A separate approval request form needs to be completed. Kindly contact your American Express representative for further information.

Please confirm that the configuration of a terminal implementing the architecture identified above can be modified without the need for recompilation of the Expresspay kernel or any external libraries utilised in the processing of Expresspay transactions.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
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Please confirm that you have supplied design documentation in accompaniment with this form which correctly and completely describes the structure and interfaces of the terminal architecture identified above.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed
Please confirm that all products listed above implement the same terminal architecture as described in the accompanying design documentation.	<input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not Confirmed

### 3.1. Additional Information



~ End of Document ~