

Date: November 7, 2023



Spencer Brown

/n software, Inc.  
101 Europa Dr.  
Suite 110  
Chapel Hill 27517  
UNITED STATES OF AMERICA

**Re:** *EMVCo Letter of Approval – EMV 3-D Secure Default-SDK Product*

**Approval / Reference Number:** 3DS\_LOA\_SDK\_NSOF\_020301\_00804

**Approval Date:** November 7, 2023

**Approval Expiration Date:** November 6, 2025

Product Provider Name: /n software, Inc.  
Registration Number: NSOF.V 18 0023  
Default-SDK Name: /n software 3-D Secure Android  
Default-SDK Version: 2.3  
Tested Operating System Version(s): Android 12  
Supported Operating System Version(s): Android 7 8 9 10 11 12 13 14  
Implementation Conformance Statement: 3DS\_ICS\_SDK\_NSOF\_020301\_00804  
EMV 3-D Secure Specification: Version 2.3.1.1,  
Version 2.2.0,  
Version 2.1.0  
EMV 3-D Secure SDK Specification: Version 2.3.1.1,  
Version 2.2.0,  
Version 2.1.0  
EMV 3-D Secure SDK Device Information: Version 1.6  
EMV 3-D Secure Specification Bulletin(s): SB204 v7, SB214 v3, SB255 v2  
EMV 3-D Secure SDK Specification Bulletin(s): SB285 v1  
3-D Secure Test Plan Name: EMV® 3-D Secure 2.3.1 Test Plan  
3-D Secure Test Plan Version: 2.3.1.10  
3-D Secure Test Plan Bulletin(s): N/A

EMV 3-D Secure SDK Device Information tested: Version 1.6  
EMV 3-D Secure Specification Bulletin(s) tested: SB204 v7, SB214 v3, SB255 v2, SB285 v1  
EMV 3-D Secure SDK Specification Bulletin(s) tested: N/A

Dear Spencer Brown,

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for EMV 3-D Secure approval for the Default-SDK identified above. In connection with your request for approval, we have reviewed your report, identified by file number UL\_CompTestReport\_ID4355 which was generated by UL India Private Limited.

After assessing such file, EMVCo has determined that the above referenced Default-SDK sufficiently conforms to EMV® 3-D Secure – SDK Specification and EMV® 3-D Secure – Protocol and Core Functions Specification.

EMVCo hereby grants your Default-SDK EMV 3-D Secure Approval, based on the requirements stated in the EMV 2.1.0, 2.2.0 and/or 2.3.1 Specifications. Please note that EMVCo may publicly identify your Default-SDK as an approved Default-SDK, including in EMVCo's published list of approved Default-SDK Products.

EMVCo's grant to your Default-SDK is subject to the Specific Terms and Conditions to the Letter of Approval attached hereto as Attachment A. Because EMVCo's grant is subject to such limitations, including certain events of termination, you and any third parties should confirm that such approval is current and has not been terminated by referring to the list of approved Default-SDK published on the EMVCo website ([www.emvco.com](http://www.emvco.com))

**This Letter of Approval is valid while the approval number is posted on the EMVCo website.**

EMVCo, LLC

By:

Name:

Title: EMVCo 3-D Secure Testing Group Chair

# **Attachment A**

## **Specific Terms and Conditions to Letter of Approval**

During testing, the following issues were identified. Restrictions identified must be disclosed to customers (issuers or other product providers to whom the Product Provider intends to sell the product).

**Restrictions, if any:**

**Comments, if any:**

## Attachment B Supported Options

This product has been tested for the following Default-SDK options:

Supported Orientation(s)	
Portrait	<input checked="" type="checkbox"/>
Landscape	<input checked="" type="checkbox"/>

Supported Type of Device Parameters	
Android Device Parameters	<input checked="" type="checkbox"/>
iOS Device Parameters	<input type="checkbox"/>
Platform Provider Device Parameters	<input type="checkbox"/>