

Date: January 5, 2023



Chris Sparks

Capital One Services, LLC  
1680 Capital One Drive  
McLean 22102  
UNITED STATES OF AMERICA

**Re:** *EMVCo Letter of Approval – EMV 3-D Secure Access Control Server Product*

**Approval / Reference Number:** 3DS\_LOA\_ACS\_COSL\_020200\_00637

**Approval Date:** January 5, 2023

**Approval Expiration Date:** December 8, 2024

|   |   |
|---|---|
| Product Provider Name:                                | Capital One Services, LLC   |
| Registration Number:                                  | COSL.V 19 0158  |
| Access Control Server Name:                           | Capital One ACS   |
| Access Control Server Version:                        | 2.0   |
| Operating System or Virtual Machine Name and Version: | Red Hat Enterprise Linux (RHEL) 7.9                                     |
| Implementation Conformance Statement:                 | 3DS_ICS_ACS_COSL_020200_00637   |
| EMV 3-D Secure Specification:                         | Version 2.2.0,<br>Version 2.1.0   |
| EMV 3-D Secure SDK Device Information:                | Versions 1.1, 1.3, 1.4, 1.5   |
| EMV 3-D Secure Specification Bulletin(s):             | SB204 v6, SB205 v1, SB213 v1, SB222 v1, SB223 v1,<br>SB225 v1, SB214 v2 |
| 3-D Secure Test Plan Name:                            | EMV® 3-D Secure 2.2.0 Test Plan   |
| 3-D Secure Test Plan Version:                         | 2.2.0.8   |
| 3-D Secure Test Plan Bulletin(s):                     | N/A   |
| EMV 3-D Secure SDK Device Information tested:         | Versions 1.1, 1.3, 1.4, 1.5   |
| EMV 3-D Secure Specification Bulletin(s) tested:      | SB204 v6, SB205 v1, SB213 v1, SB222 v1, SB223 v1,<br>SB225 v1, SB214 v2 |

Dear Chris Sparks,

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for EMV 3-D Secure approval for the Access Control Server identified above. In connection with your request for approval, we have reviewed your report, identified by file number UL\_CompTestReport\_ID3749 which was generated by UL VS Inc..

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

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

EMVCo's grant to your Access Control Server 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 Access Control Server 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 ACS options

| <b>Native UI</b>      | <b>Protocol 2.1.0</b>               | <b>Protocol 2.2.0</b>               |
|-----------------------|-------------------------------------|-------------------------------------|
| Text UI (01)          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Single Select UI (02) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Multi Select UI (03)  | <input type="checkbox"/>            | <input type="checkbox"/>            |
| OOB UI (04)           | <input type="checkbox"/>            | <input type="checkbox"/>            |

| <b>HTML UI</b>        | <b>Protocol 2.1.0</b>               | <b>Protocol 2.2.0</b>               |
|-----------------------|-------------------------------------|-------------------------------------|
| Text UI (01)          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Single Select UI (02) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Multi Select UI (03)  | <input type="checkbox"/>            | <input type="checkbox"/>            |
| OOB UI (04)           | <input type="checkbox"/>            | <input type="checkbox"/>            |
| HTML Other UI (05)    | <input type="checkbox"/>            | <input type="checkbox"/>            |