

Date: June 17, 2022



Brian Piel

Mastercard International Incorporated
2000 Purchase Street
Purchase 10577
UNITED STATES OF AMERICA

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

Approval / Reference Number: 3DS_LOA_DIS_MAST_020200_00563

Approval Date: June 17, 2022

Approval Expiration Date: June 15, 2024

Product Provider Name: Mastercard International Incorporated

Registration Number: MAST.V 17 0005

Directory Server Name: Mastercard Directory Server

Directory Server Version: 2.2.1

Operating System Version: Oracle Linux Server 7.7

Implementation Conformance Statement: 3DS_ICS_DIS_MAST_020200_00563

EMV 3-D Secure Specification: Version 2.2.0,
Version 2.1.0

EMV 3-D Secure Specification Bulletin(s): SB204 v6, 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 Specification Bulletin(s) tested: SB204 v6, SB214 v2

Dear Brian Piel,

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for EMV 3-D Secure approval for the Directory Server identified above. In connection with your request for approval, we have reviewed your report, identified by file number UL_CompTestReport_ID3475 which was generated by UL VS Inc..

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

EMVCo hereby grants your Directory 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 Directory Server as an approved Directory Server, including in EMVCo's published list of approved 3DS Products.

EMVCo's grant to your Directory 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 Directory Server published on the EMVCo website (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: