

Date: February 20, 2019



Philip Brown

The Logic Group Enterprises Ltd
Logic House
Fleet GU513SB
UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

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

Approval / Reference Number: 3DS_LOA_SER_THLG_020100_00100

Approval Date: February 20, 2019

Approval Expiration Date: February 8, 2021

Product Provider Name:	The Logic Group Enterprises Ltd
Registration Number:	THLG.V 18 0048
3DS Server Name:	Payer Authentication Service 2 (PAS2)
3DS Server Version:	1.0
Operating System Version:	Red Hat Enterprise Linux Server 7.5 (Maipo)
Implementation Conformance Statement:	3DS_ICS_SER_THLG_020100_00100
EMV 3-D Secure Specification:	Version 2.1.0
EMV 3-D Secure Specification Bulletins:	204 V3
3-D Secure Test Plan Name:	EMV® 3-D Secure 2.1.0 Test Plan
3-D Secure Test Plan Version:	2.1.0.15
3-D Secure Test Plan Bulletin(s):	N/A

Dear Philip Brown,

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for EMV 3-D Secure approval for the 3DS Server identified above. In connection with your request for approval, we have reviewed your report, identified by file number UL_CompTestReport_ID711 which was generated by UL TS B.V..

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

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

EMVCo's grant to your 3DS Server is subject to, and (i) 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 3DS 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 Approval 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: