

Date: December 20, 2023



Elena Gurrea Pascual

Santander Global Cards & Digital Solutions S.L.
Avenida de Cantabria s/n
Ciudad Grupo Santander
Boadilla del Monte 28660
SPAIN

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

Approval / Reference Number: 3DS_LOA_ACS_SGCD_020301_00802

Approval Date: December 20, 2023

Approval Expiration Date: October 12, 2025

Product Provider Name: Santander Global Cards & Digital Solutions S.L.

Registration Number: SGCD.V 22 0293

Access Control Server Name: Santander Global Cards ACS

Access Control Server Version: 2.3.1

Operating System or Virtual Machine Name and Version: Red Hat Universal Base Image 9

Implementation Conformance Statement: 3DS_ICS_ACS_SGCD_020301_00802

EMV 3-D Secure Specification: Version 2.3.1.1,
Version 2.2.0,
Version 2.1.0

EMV 3-D Secure SDK Device Information: Versions 1.1, 1.3, 1.4, 1.5, 1.6

EMV 3-D Secure Specification Bulletin(s): SB204 v7, SB214 v3, SB205 v1, SB213 v1, SB222 v1, SB223 v1, SB225 v1, SB255 v2, 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: Versions 1.1, 1.3, 1.4, 1.5, 1.6

EMV 3-D Secure Specification Bulletin(s) tested: SB204 v7, SB214 v3, SB205 v1, SB213 v1, SB222 v1, SB223 v1, SB225 v1, SB255 v2, SB285 v1

Dear Elena Gurrea Pascual,

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_ID3941 which was generated by UL TS B.V..

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, 2.2.0 and/or 2.3.1 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)

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

Native UI	Protocol 2.1.0	Protocol 2.2.0	Protocol 2.3.1
Text UI (01)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Single Select UI (02)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi Select UI (03)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OOB UI (04)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

HTML UI	Protocol 2.1.0	Protocol 2.2.0	Protocol 2.3.1
Text UI (01)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Single Select UI (02)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi Select UI (03)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OOB UI (04)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HTML Other UI (05)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HTML OOB UI (06)			<input checked="" type="checkbox"/>