

August 12, 2019

Homayoon Saghari
Advanced Mobile Payment Inc.
15 Wertheim Court Unit 401
Richmond Hill L4B3h7
CANADA

Re: EMVCo Letter of Approval - Contact Terminal Level 2

EMV Application Kernel: AMP CT Kernel Version v3.2.19

Approval Number(s):
2-04375-1-1C-FIMT-0119-4.3g
2-04375-1-2C-FIMT-0119-4.3g
2-04375-1-3C-FIMT-0119-4.3g
2-04375-1-4C-FIMT-0119-4.3g
2-04375-1-5C-FIMT-0119-4.3g
2-04375-2-6C-FIMC-0819-4.3h
2-04375-1-1OS-FIMT-0119-4.3g

The EMV Application Kernel has been tested on the following terminal

Terminal: AMP 6500
PinPad: n/a
Operating System: IOS = Android Version 5.1.1

Renewal Date: 19-Dec-2022

Report ID Session 1: **T18REP01-491 Version V1.0 - FEIMA Ltd. Taiwan branch**
 Session 2: **Z19REP00-276 Version 1.0 - FIME Technology (Shenzhen) Co. Ltd.**

Kernel Checksum:

768F85D7

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	CFG1	22	5C84BF5D
2C	CFG2	22	B851D824
3C	CFG3	21	FB69F774
4C	CFG4	22	8AE43EC6
5C	CFG5	24	2D988ADE
6C	CFG6	25	A111D098

Dear Homayoon Saghari:

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for Level 2 terminal type approval for the EMV Application Kernel identified above (hereafter referred to as the "Application"). In connection with your request, we have reviewed all test file number(s) listed above.

After assessing such file(s), EMVCo has found reasonable evidence that the submitted samples of the above referenced Application sufficiently conform to EMV Integrated Circuit Card Specifications for Payment Systems, Version 4.3 of November 2011.

EMVCo hereby grants your Application EMVCo Type Approval for Terminal Level 2, based on the requirements stated in the EMV 4.3 Specifications. Please note that EMVCo may publish this letter and publicly identify your Application as an approved Application, including in EMVCo's published list of approved Applications.

EMVCo's grant to your Application is subject to and specifically incorporates (i) the General Terms and Conditions to the Letter of Approval enclosed as Exhibit A, and (ii) the Specific Terms and Conditions to the Letter of Approval attached hereto as Attachment 1. 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 Applications published on the EMVCo website (www.emvco.com).

Please note that EMVCo makes certain logos available for use in connection with an Application that has received EMVCo approval. To obtain permission to use the "EMV Approved" certification mark, please contact EMVCo to request a license agreement.

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

EMVCo, LLC, a Delaware limited liability company

By:

Name: Frédéric Fortin

Title: EMVCo Terminal Type Approval Chair

Terminal Capabilities	1C	2C	3C	4C	5C	6C				
Card Data Input Capability										
Terminal Type	22	22	21	22	24	25				
Manual Key Entry	Yes	Yes	Yes	Yes	Yes	No				
Magnetic Stripe	Yes	Yes	Yes	Yes	Yes	Yes				
IC with Contacts	Yes	Yes	Yes	Yes	Yes	Yes				
CVM Capability										
Plaintext PIN	Yes	Yes	No	No	Yes	Yes				
Online Enciphered PIN	Yes	No	Yes	Yes	Yes	Yes				
Signature (Paper)	Yes	Yes	Yes	No	No	No				
Offline Enciphered PIN	Yes	Yes	No	No	Yes	Yes				
No CVM	Yes	No	Yes	No	No	Yes				
SB185	n/a	n/a	n/a	n/a	n/a	No				
Offline Finger	n/a	n/a	n/a	n/a	n/a	No				
Online Finger	n/a	n/a	n/a	n/a	n/a	No				
Offline Facial	n/a	n/a	n/a	n/a	n/a	No				
Online Facial	n/a	n/a	n/a	n/a	n/a	No				
Offline Palm	n/a	n/a	n/a	n/a	n/a	No				
Online Palm	n/a	n/a	n/a	n/a	n/a	No				
Offline Iris	n/a	n/a	n/a	n/a	n/a	No				
Online Iris	n/a	n/a	n/a	n/a	n/a	No				
Offline Voice	n/a	n/a	n/a	n/a	n/a	No				
Online Voice	n/a	n/a	n/a	n/a	n/a	No				
Security Capability										
SDA & DDA	Yes	Yes	No	Yes	Yes	Yes				
Card Capture	No	No	No	No	No	No				
CDA	Mode 1	Mode 1	No	Mode 1	Mode 1	Mode 1				
Transaction Type Capability										
Tran Type - Cash	No	No	No	No	No	No				
Tran Type - Goods	Yes	Yes	Yes	Yes	Yes	Yes				
Tran Type - Services	Yes	Yes	Yes	Yes	Yes	Yes				
Tran Type - Cash Back	Yes	Yes	Yes	Yes	Yes	Yes				
Tran Type - Inquiry	Yes	Yes	Yes	Yes	Yes	Yes				
Tran Type - Transfer	No	No	No	No	No	No				
Tran Type - Payment	No	No	No	No	No	No				
Tran Type - Admin	No	No	No	No	No	No				
Tran Type - Cash Deposit	No	No	No	No	No	No				
Terminal Data Input Capability										
Keypad	Yes	Yes	Yes	Yes	Yes	Yes				
Numeric Keys	Yes	Yes	Yes	Yes	Yes	Yes				
Alpha and Special Character Keys	Yes	Yes	Yes	Yes	Yes	Yes				
Command Keys	Yes	Yes	Yes	Yes	Yes	Yes				
Function Keys	Yes	Yes	Yes	Yes	Yes	Yes				

(continued)	1C	2C	3C	4C	5C	6C				
Terminal Data Output Capability										
Print, Attendant	Yes	Yes	Yes	No	No	No				
Print, Cardholder	No	No	No	No	Yes	Yes				
Display, Attendant	Yes	Yes	Yes	Yes	No	No				
Display, Cardholder	No	No	No	No	Yes	Yes				
Code Table 10	No	No	No	No	No	No				
Code Table 9	No	No	No	No	No	No				
Code Table 8	No	No	No	No	No	No				
Code Table 7	No	No	No	No	No	No				
Code Table 6	No	No	No	No	No	No				
Code Table 5	No	No	No	No	No	No				
Code Table 4	No	No	No	No	No	No				
Code Table 3	No	No	No	No	No	No				
Code Table 2	No	No	No	No	No	No				
Code Table 1	Yes	Yes	Yes	Yes	Yes	Yes				
Application Selection										
PSE	Yes	Yes	Yes	No	Yes	Yes				
Cardholder Confirmation	Yes	Yes	Yes	Yes	Yes	Yes				
Preferred display order	No	No	No	No	No	No				
Partial AID Selection	Yes	Yes	Yes	Yes	Yes	Yes				
Multi language	No	No	No	No	No	No				
EMV Language Selection method	Yes	Yes	Yes	Yes	Yes	Yes				
Common Character Set	Yes	Yes	Yes	Yes	Yes	Yes				
Data Authentication										
MAX CA Public key	248	248		248	248	248				
Exponents	3 and 2 ¹⁶ +1	3 and 2 ¹⁶ +1		3 and 2 ¹⁶ +1	3 and 2 ¹⁶ +1	3 and 2 ¹⁶ +1				
Revocation of Issuer PK Certificate	Yes	Yes	No	Yes	Yes	Yes				
Certificate Revocation List Format	RID, Index, CSN	RID, Index, CSN		RID, Index, CSN	RID, Index, CSN	RID, Index, CSN				
Default DDOL	Yes	Yes	No	Yes	Yes	Yes				
Manual act. when CA PK loading fails	No	No	No	No	No	No				
CA PK verified with check sum	Yes	Yes	No	Yes	Yes	Yes				
Cardholder Verification Method										
Bypass PIN Entry	Yes	Yes	No	Yes	No	No				
Subsequent Bypass PIN Entry	Yes	Yes	No	Yes	No	No				
Get Data for PIN Try Counter	Yes	Yes	No	Yes	Yes	Yes				
Fail CVM	Yes	Yes	Yes	Yes	Yes	Yes				
Amount known before CVM proces.	Yes	Yes	Yes	Yes	Yes	Yes				
Terminal Risk Management										
Floor Limit Checking	Yes	Yes	Yes	Yes	Yes	Yes				
Random Transaction Selection	Yes	Yes	Yes	Yes	Yes	Yes				
Velocity Checking	Yes	Yes	Yes	Yes	Yes	Yes				
Transaction Log	No	No	No	No	No	No				
Exception File	No	No	No	No	No	No				
TRM irrespective of AIP setting (expected behavior)	Yes	Yes	Yes	Yes	Yes	Yes				

(continued)	1C	2C	3C	4C	5C	6C				
Terminal Action Analysis										
Terminal Action Codes supported	Yes	Yes	Yes	Yes	Yes	Yes				
TAC can be deleted or disabled	No	No	No	No	No	No				
How does offline only Terminal process Default Action Codes?						N/A				
How does online only terminal process TAC/IAC-Default when unable to go online?	N/A	N/A	Normal	N/A	Normal	N/A				
Completion Processing										
Forced Online	Yes	Yes	No	Yes	No	No				
Forced Acceptance	No	No	No	No	No	No				
Advices	Yes	Yes	Yes	Yes	No	No				
Voice Referrals Initiated by Issuer	Yes	Yes	Yes	Yes	No	No				
Batch Data Capture	No	No	No	No	No	No				
Online Data Capture	Yes	Yes	Yes	Yes	Yes	Yes				
Default TDOL	Yes	Yes	Yes	Yes	Yes	Yes				
Exception Handling										
POS Entry Mode	80	80	80	80	80	80				
Miscellaneous										
Amount and PIN on same keypad	No	No	No	No	No	No				
ICC/Magstripe Reader Combined	No	No	No	No	No	No				
If Combined, is Magstripe read first?	No	No	No	No	No	No				
Supports account type selection	No	No	No	No	No	No				
Supports 'on fly' script processing	No	No	No	No	No	No				
Issuer Script device limit > 128 bytes	No	No	No	No	No	No				
If limit > 128, value supported?										
Internal Date Management	Yes	Yes	Yes	Yes	Yes	Yes				
Does the terminal support Receipt?	Yes	Yes	Yes	No	Yes	Yes				

Attachment 1

Specific Terms and Conditions to the Letter of Approval

Restriction:

None