

August 18, 2022

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: Contact Kernel Version 1.0.2

Approval Number(s):

- 2-05065-1-1C-BCTS-0822-4.3k**
- 2-05065-1-2C-BCTS-0822-4.3k**
- 2-05065-1-3C-BCTS-0822-4.3k**
- 2-05065-1-4C-BCTS-0822-4.3k**
- 2-05065-1-5C-BCTS-0822-4.3k**
- 2-05065-1-6C-BCTS-0822-4.3k**
- 2-05065-1-7C-BCTS-0822-4.3k**
- 2-05065-1-8C-BCTS-0822-4.3k**
- 2-05065-1-10S-BCTS-0822-4.3k**

The EMV Application Kernel has been tested on the following terminal

Terminal: AMP 6500
PinPad: n/a
Operating System: IOS = Android Version 5.1

Renewal Date: 13-Jul-2026

Report ID Session 1: TEMV221XV1T Version V1.0 - Beijing Unionpay Card Technology Co., Ltd. Shenzhen Branch

Kernel Checksum:

0088F6E0CAE37DA3CC593F2F8EB24533DCF10935

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	CFG1	22	49A4F4DA77BEC616D812BE8310305C5433F0B7AE
2C	CFG2	22	6D8D0A2A19D276E963E37FF05ACA88D3F18AC6F2
3C	CFG3	21	8D6E7A67C0CC0DC6EA5B6774343A203A1A0131CF
4C	CFG4	22	639AAAA6E3A287F78F0CA5921CCEE1C5008449AD
5C	CFG5	24	4B312E9827E42B726CBC42D37EEB65E550F376A7
6C	CFG6	25	D47A1CE26F3C5EDA67CEA20BD8E98FFD19D44518
7C	CFG7	25	15D8AA0376DEB771E1E9B47BAEB40387E7E21545
8C	CFG8	22	5178138D8D26FD79F9E9A00613F3EA9E56B88941

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	7C	8C		
Card Data Input Capability										
Terminal Type	22	22	21	22	24	25	25	22		
Manual Key Entry	Yes	Yes	Yes	Yes	Yes	No	No	Yes		
Magnetic Stripe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
IC with Contacts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
CVM Capability										
Plaintext PIN	Yes	Yes	No	No	Yes	Yes	Yes	Yes		
Online Enciphered PIN	Yes	No	Yes	Yes	Yes	Yes	No	No		
Signature (Paper)	No	No	No	No	No	No	No	No		
Offline Enciphered PIN	Yes	Yes	No	No	Yes	Yes	Yes	Yes		
No CVM	Yes	No	Yes	No	No	Yes	Yes	Yes		
SB185	No	No	No	No	No	No	No	No		
Offline Finger	No	No	No	No	No	No	No	No		
Online Finger	No	No	No	No	No	No	No	No		
Offline Facial	No	No	No	No	No	No	No	No		
Online Facial	No	No	No	No	No	No	No	No		
Offline Palm	No	No	No	No	No	No	No	No		
Online Palm	No	No	No	No	No	No	No	No		
Offline Iris	No	No	No	No	No	No	No	No		
Online Iris	No	No	No	No	No	No	No	No		
Offline Voice	No	No	No	No	No	No	No	No		
Online Voice	No	No	No	No	No	No	No	No		
Security Capability										
SDA & DDA	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes		
Card Capture	No	No	No	No	No	No	No	No		
CDA	Mode 1	Mode 1	No	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1		
Transaction Type Capability										
Tran Type - Cash	No	No	No	No	No	No	No	Yes		
Tran Type - Goods	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Tran Type - Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Tran Type - Cash Back	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes		
Tran Type - Inquiry	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Tran Type - Transfer	No	No	No	No	No	No	No	No		
Tran Type - Payment	No	No	No	No	No	No	No	No		
Tran Type - Admin	No	No	No	No	No	No	No	No		
Tran Type - Cash Deposit	No	No	No	No	No	No	No	No		
Terminal Data Input Capability										
Keypad	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Numeric Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Alpha and Special Character Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Command Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Function Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		

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

(continued)	1C	2C	3C	4C	5C	6C	7C	8C		
Terminal Action Analysis										
Terminal Action Codes supported	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
TAC can be deleted or disabled	No	No	No	No	No	No	No	No		
How does offline only Terminal process Default Action Codes?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	N/A	N/A		
Completion Processing										
Forced Online	Yes	Yes	No	Yes	No	No	No	Yes		
Forced Acceptance	No	No	No	No	No	No	No	Yes		
Advices	Yes	Yes	Yes	Yes	No	No	No	Yes		
Voice Referrals Initiated by Issuer	Yes	Yes	Yes	Yes	No	No	No	Yes		
Batch Data Capture	No	No	No	No	No	No	No	Yes		
Online Data Capture	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Default TDOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Default TDOL not configured	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Exception Handling										
POS Entry Mode	80	80	80	80	80	80	80	80		
Miscellaneous										
Amount and PIN on same keypad	No	No	No	No	No	No	No	No		
ICC/Magstripe Reader Combined	No	No	No	No	No	No	No	No		
If Combined, is Magstripe read first?	No	No	No	No	No	No	No	No		
Supports account type selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Supports 'on fly' script processing	No	No	No	No	No	No	No	No		
Issuer Script device limit > 128 bytes	No	No	No	No	No	No	No	No		
If limit > 128, value supported?										
Internal Date Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Does the terminal support Receipt?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes		

Attachment 1

Specific Terms and Conditions to the Letter of Approval

Restriction:

None