

March 12, 2026

Mr. Ron Fridman
Verifone, Inc.
817 Broadway, Suite 1100
New York 10003
United States

Re: *EMVCo Letter of Approval - Contact Terminal Level 2*

EMV Application Kernel: EMV L2 Version 7.0.4r

Approval Number(s):

- 2-05656-1-1C-FSUL-0925-4.4c
- 2-05656-1-2C-FSUL-0925-4.4c
- 2-05656-1-3C-FSUL-0925-4.4c
- 2-05656-1-4C-FSUL-0925-4.4c
- 2-05656-1-5C-FSUL-0925-4.4c
- 2-05656-1-6C-FSUL-0925-4.4c
- 2-05656-2-7C-FSUL-1125-4.4c
- 2-05656-3-8C-FSUL-0226-4.4c
- 2-05656-3-9C-FSUL-0226-4.4c
- 2-05656-3-10C-FSUL-0226-4.4c
- 2-05656-3-11C-FSUL-0226-4.4c
- 2-05656-3-12C-FSUL-0226-4.4c
- 2-05656-3-13C-FSUL-0226-4.4c
- 2-05656-3-14C-FSUL-0226-4.4c
- 2-05656-3-15C-FSUL-0226-4.4c
- 2-05656-4-16C-FSUL-0326-4.4c
- 2-05656-4-17C-FSUL-0326-4.4c
- 2-05656-4-18C-FSUL-0326-4.4c
- 2-05656-1-1P-FSUL-0925-4.4c
- 2-05656-1-1OS-FSUL-0925-4.4c

The EMV Application Kernel has been tested on the following terminal

Terminal: P630

PinPad: 1P = P630, EMV L2 7.0.4r - PIN pad is valid for configuration(s): 1C, 3C, 5C, 6C, 7C, 8C, 9C, 11C, 12C, 13C, 14C, 16C, 17C, 18C

Operating System: 1OS = Linux - 32 bits Version 4.9

Renewal Date: 03-Sep-2029

Report ID

Session 1: **L25REP00-145 Version 2.0 - Fime Services UK Ltd.**

Session 2: **L25REP00-194 Version 2.0 - Fime Services UK Ltd.**

Session 3: **L25REP00-218 Version 1.0 - Fime Services UK Ltd.**

Session 4: **L26REP00-030 Version 1.0 - Fime Services UK Ltd.**

Kernel Checksum:

A002FEAF

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	FC70843B	22	8438E514
2C	38B36626	22	6F6DFFE9
3C	3A42F53B	22	A338D159
4C	374E9D77	22	AEC05A56
5C	7FB6A5C6	22	1B206936
6C	2377EEFB	22	C8FE1B43
7C	89BBD113	22	FFBD9A0B
8C	1C629D20	25	A7BAC6AC
9C	56FC05AB	12	2328D434
10C	BC54C024	12	1C43BCC1
11C	8B69DC62	25	ED2547FA
12C	2F37A750	25	9B4611C9
13C	C5CB4C6C	24	A732C3A6
14C	A6783E94	24	932656E0
15C	8069B362	25	4A267ABE
16C	21027663	22	1177C390
17C	AE1B4562	22	82581458
18C	23F9A3E2	12	C138033A

PIN Pads Checksums:

PinPad	Checksum
1P	A002FEAF

Dear Mr. Fridman:

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 4.4 of October 2022.

EMVCo hereby grants your Application EMVCo Type Approval for Terminal Level 2, based on the requirements stated in the EMV 4.4 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.

Authorised by Frédéric Fortin
Terminal Testing Group Chair
EMVCo, LLC

Note:
The Random Number Generator is part of the EMV specifications. This Contact Level 2 Kernel utilizes a specific Hardware component in the tested terminal to generate random numbers. To be EMV compliant, this Contact Level 2 Kernel shall be used in conjunction with terminals having this specific hardware component.

Terminal Capabilities	1C	2C	3C	4C	5C	6C	7C	8C	9C	10C
Card Data Input Capability										
Terminal Type	22	22	22	22	22	22	22	25	12	12
Manual Key Entry	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Magnetic Stripe	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IC with Contacts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CVM Capability										
Plaintext PIN	No	No	No	No	No	No	Yes	No	No	No
Online Enciphered PIN	Yes	No	No	No	Yes	Yes	Yes	No	Yes	No
Signature (Paper)	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes
Offline Enciphered PIN (RSA)	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	No
No CVM	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes
Offline Enciphered PIN (ECC)	No	No	No	No	No	No	No	No	No	No
Biometric	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Finger	No	No	No	No	No	No	No	No	No	No
Online Finger	No	No	No	No	No	No	No	No	No	No
Offline Facial	No	No	No	No	No	No	No	No	No	No
Online Facial	No	No	No	No	No	No	No	No	No	No
Offline Palm	No	No	No	No	No	No	No	No	No	No
Online Palm	No	No	No	No	No	No	No	No	No	No
Offline Iris	No	No	No	No	No	No	No	No	No	No
Online Iris	No	No	No	No	No	No	No	No	No	No
Offline Voice	No	No	No	No	No	No	No	No	No	No
Online Voice	No	No	No	No	No	No	No	No	No	No
Security Capability										
SDA & DDA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Card Capture	No	No	No	No	No	No	No	No	No	No
CDA	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1
XDA	No	No	No	No	No	No	No	No	No	No
Transaction Type Capability										
Tran Type - Cash	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tran Type - Goods	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tran Type - Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tran Type - Cash Back	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tran Type - Inquiry	No	No	No	No	No	No	No	No	No	No
Tran Type - Transfer	No	No	No	No	No	No	No	No	No	No
Tran Type - Payment	No	No	No	No	No	No	No	No	No	No
Tran Type - Admin	No	No	No	No	No	No	No	No	No	No
Tran Type - Cash Deposit	No	No	No	No	No	No	No	No	No	No
Terminal Data Input Capability										
Keypad	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Numeric Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alpha and Special Character Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Command Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Function Keys	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

(continued)	1C	2C	3C	4C	5C	6C	7C	8C	9C	10C
Terminal Data Output Capability										
Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Code Table 10	No	No	No	No	No	No	No	No	No	No
Code Table 9	No	No	No	No	No	No	No	No	No	No
Code Table 8	No	No	No	No	No	No	No	No	No	No
Code Table 7	No	No	No	No	No	No	No	No	No	No
Code Table 6	No	No	No	No	No	No	No	No	No	No
Code Table 5	No	No	No	No	No	No	No	No	No	No
Code Table 4	No	No	No	No	No	No	No	No	No	No
Code Table 3	No	No	No	No	No	No	No	No	No	No
Code Table 2	No	No	No	No	No	No	No	No	No	No
Code Table 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Selection										
PSE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cardholder Confirmation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Preferred display order	No	No	No	No	No	No	No	No	No	No
Partial AID Selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multi language	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EMV Language Selection method	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Common Character Set	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data Authentication										
Revocation of Issuer PK Certificate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Certificate Revocation List Format	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number
Default DDOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cardholder Verification Method										
Bypass PIN Entry	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Subsequent Bypass PIN Entry	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Get Data for PIN Try Counter	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Fail CVM	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Amount known before CVM proces.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Terminal Risk Management										
Floor Limit Checking	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Random Transaction Selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Velocity Checking	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transaction Log	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Exception File	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRM irrespective of AIP setting (expected behavior)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

(continued)	1C	2C	3C	4C	5C	6C	7C	8C	9C	10C
Terminal Action Analysis										
Terminal Action Codes supported	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TAC can be deleted or disabled	No	No	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	N/A	N/A
How does online only terminal process TAC/IAC-Default when unable to go online?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Completion Processing										
Forced Online	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Forced Acceptance	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes
Voice Referrals Initiated by Issuer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Default TDOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Default TDOL not configured	No	No	No	No	No	No	No	No	No	No
Exception Handling										
POS Entry Mode	0x80	0x80	0x80	0x80	0x80	0x80	0x80	0x80	0x80	0x80
Miscellaneous										
Amount and PIN on same keypad	No	No	No	No	No	No	No	No	No	No
ICC/Magstripe Reader Combined	No	No	No	No	No	No	No	No	No	No
Supports account type selection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Supports 'on fly' script processing	No	No	No	No	No	No	No	No	No	No
Issuer Script device limit > 128 bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
If limit > 128, value supported?	0	0	0	0	0	0	0	0	0	0
Internal Date Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Does the terminal support Receipt?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Terminal Capabilities	11C	12C	13C	14C	15C	16C	17C	18C		
Card Data Input Capability										
Terminal Type	25	25	24	24	25	22	22	12		
Manual Key Entry	Yes	Yes	No	No	No	Yes	Yes	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	No	No	No	No	No	Yes	Yes	Yes		
Online Enciphered PIN	Yes	Yes	Yes	Yes	No	Yes	No	Yes		
Signature (Paper)	No	No	No	No	No	Yes	Yes	Yes		
Offline Enciphered PIN (RSA)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes		
No CVM	Yes	No	Yes	No	Yes	Yes	Yes	Yes		
Offline Enciphered PIN (ECC)	No	No	No	No	No	No	No	No		
Biometric	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
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	Yes	Yes	Yes	Yes	Yes	Yes		
Card Capture	No	No	No	No	No	No	No	No		
CDA	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1	Mode 1		
XDA	No	No	No	No	No	No	No	No		
Transaction Type Capability										
Transaction Type - Cash	Yes	No	No	No	Yes	Yes	Yes	Yes		
Transaction Type - Goods	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Transaction Type - Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Transaction Type - Cash Back	Yes	No	No	No	No	Yes	Yes	Yes		
Transaction Type - Inquiry	No	No	No	No	No	No	No	No		
Transaction Type - Transfer	No	No	No	No	No	No	No	No		
Transaction Type - Payment	No	No	No	No	No	No	No	No		
Transaction Type - Admin	No	No	No	No	No	No	No	No		
Transaction 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)	11C	12C	13C	14C	15C	16C	17C	18C		
Terminal Data Output Capability										
Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
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										
Revocation of Issuer PK Certificate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Certificate Revocation List Format	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number	RID, CAPK index and Certificate Serial Number		
Default DDOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Cardholder Verification Method										
Bypass PIN Entry	Yes	No	No	No	No	Yes	Yes	Yes		
Subsequent Bypass PIN Entry	Yes	No	No	No	No	Yes	Yes	Yes		
Get Data for PIN Try Counter	Yes	Yes	Yes	Yes	No	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	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Exception File	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
TRM irrespective of AIP setting (expected behavior)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		

(continued)	11C	12C	13C	14C	15C	16C	17C	18C		
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	Normal	N/A	N/A	N/A	N/A		
Completion Processing										
Forced Online	No	No	No	No	No	Yes	Yes	Yes		
Forced Acceptance	No	No	No	No	No	Yes	Yes	Yes		
Voice Referrals Initiated by Issuer	No	No	No	No	No	Yes	Yes	Yes		
Default TDOL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Default TDOL not configured	No	No	No	No	No	No	No	No		
Exception Handling										
POS Entry Mode	0x80	0x80	0x80	0x80	0x80	0x80	0x80	0x80		
Miscellaneous										
Amount and PIN on same keypad	No	No	No	No	No	No	No	No		
ICC/Magstripe Reader Combined	No	Yes	No	No	No	No	No	No		
Supports account type selection	Yes	No	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	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
If limit > 128, value supported?	0	0	0	0	0	0	0	0		
Internal Date Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Does the terminal support Receipt?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		

Attachment 1

Specific Terms and Conditions to the Letter of Approval

Restriction:

None