December 02, 2020

Rainer Seyer

CountR GmbH

Fahrenheitstrasse 6

Kleinmachnow 14532

GERMANY

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

EMV Application Kernel:	**CountR EMV Level 2 Kernel Version 1.5.1**

Approval Number(s):	**2-04767-1-1C-CETI-1220-4.3i**
	2-04767-1-2C-CETI-1220-4.3i
	2-04767-1-3C-CETI-1220-4.3i
	2-04767-1-1P-CETI-1220-4.3i
	2-04767-1-1OS-CETI-1220-4.3i

The EMV Application Kernel has been tested on the following terminal

Terminal:	**CashIO**
PinPad:	**1P = Cryptera 1215, 414-0697 R3C - PIN pad is valid for configuration(s): 1C, 2C, 3C**
Operating System:	**1OS = Oracle JVM Version 1.8.0**

Renewal Date:	**01-Dec-2024**

Report ID	Session 1:	**2COGM_1-1117-1-2-20-A_CETI Version A - CTC advanced GmbH**

Kernel Checksum:

01DAC4FC

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	MerchantConfig	24	4DEC1670
2C	DebitPOSConfig	24	3EDDD2F6
3C	ATMConfig	14	BF6E4209

PIN Pads Checksums:

PinPad	Checksum
1P	

Dear Rainer Seyer:

       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 refered 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							
Card Data Input Capability										
Terminal Type	24	24	14							
Manual Key Entry	No	No	No							
Magnetic Stripe	Yes	Yes	Yes							
IC with Contacts	Yes	Yes	Yes							
CVM Capability										
Plaintext PIN	No	No	No							
Online Enciphered PIN	Yes	Yes	Yes							
Signature (Paper)	No	No	No							
Offline Enciphered PIN	No	No	No							
No CVM	Yes	No	No							
SB185	No	No	No							
Offline Finger	No	No	No							
Online Finger	No	No	No							
Offline Facial	No	No	No							
Online Facial	No	No	No							
Offline Palm	No	No	No							
Online Palm	No	No	No							
Offline Iris	No	No	No							
Online Iris	No	No	No							
Offline Voice	No	No	No							
Online Voice	No	No	No							
Security Capability										
SDA & DDA	No	No	No							
Card Capture	No	No	No							
CDA	No	No	No							
Transaction Type Capability										
Tran Type - Cash	Yes	Yes	Yes							
Tran Type - Goods	Yes	Yes	Yes							
Tran Type - Services	Yes	Yes	Yes							
Tran Type - Cash Back	No	No	No							
Tran Type - Inquiry	Yes	Yes	Yes							
Tran Type - Transfer	No	No	No							
Tran Type - Payment	No	No	No							
Tran Type - Admin	No	No	No							
Tran Type - Cash Deposit	No	No	No							
Terminal Data Input Capability										
Keypad	Yes	Yes	Yes							
Numeric Keys	Yes	Yes	Yes							
Alpha and Special Character Keys	No	No	No							
Command Keys	No	No	No							
Function Keys	Yes	Yes	Yes							

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

(continued)	1C	2C	3C						
Terminal Action Analysis									
Terminal Action Codes supported	Yes	Yes	Yes						
TAC can be deleted or disabled	No	No	No						
How does offline only Terminal process Default Action Codes?	N/A	N/A	N/A						
How does online only terminal process TAC/IAC-Default when unable to go online?	Skipped	Skipped	Skipped						
Completion Processing									
Forced Online	No	No	No						
Forced Acceptance	No	No	No						
Advices	No	No	No						
Voice Referrals Initiated by Issuer	No	No	No						
Batch Data Capture	No	No	No						
Online Data Capture	Yes	Yes	Yes						
Default TDOL	No	No	No						
Exception Handling									
POS Entry Mode	80	80	80						
Miscellaneous									
Amount and PIN on same keypad	Yes	Yes	Yes						
ICC/Magstripe Reader Combined	Yes	Yes	Yes						
If Combined, is Magstripe read first?	Yes	Yes	Yes						
Supports account type selection	Yes	Yes	Yes						
Supports 'on fly' script processing	No	No	No						
Issuer Script device limit > 128 bytes	Yes	Yes	Yes						
If limit > 128, value supported?	261	261	261						
Internal Date Management	Yes	Yes	Yes						
Does the terminal support Receipt?	Yes	Yes	Yes						

Attachment 1
Specific Terms and Conditions to the Letter of Approval

Restriction:

None