March 21, 2012



Markus Gagliardi PayTec AG Vogelsangstrasse 15, CH-8307 Effretikon,

Switzerland

Re: EMVCo Letter of Approval - Terminal Level 2

EMV Application Kernel: PayTec EMV Kernel 1.2.0

Approval Number(s): **2-02255-1-1S-CET-0312-4.3.a**

2-02255-1-1OS-CET-0312-4.3.a

The EMV Application Kernel has been tested on the following terminal

Terminal: PT-A101

PinPad: n/a

Operating System: **10S = uTasker Version 1.3**

Report ID Session 1: 2PAYT_3-6207-01-04-11_CET - CETECOM ICT Services GmbH

Approved Configurations:

Config	Vendor Config ID	Terminal	Checksum
1S		25	8DD736075868832D

Renewal Date: 21-Mar-2015

Dear Markus Gagliardi:

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for Level 2 terminal type approval for the EMV Application Kernel (hereafter refered to as Application) identified above. 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 Kernel sufficiently conform to EMV Integrated Circuit Card Specifications for Payment Systems, Version 4.3 of November 2011.

EMVCo hereby (a) grants your Application EMVCo Type Approval for Terminal Level 2, based on the requirements stated in the EMV 4.3 Specifications, and (b) agrees to include your Application Kernel in EMVCo's approved Application list.

EMVCo's grant to your Application Kernel 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 Application Kernels published on the EMVCo website (www.emvco.com).

PayTec AG

This Letter of Approval is effective on dispatch from EMVCo.

EMVCo, LLC, a Delaware limited liability company

By:

Name: Arnaud du Chéné

Title: EMVCo Terminal Type Approval

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erminal Capabilities	Value Supported
ard Data Input Capability	
Manual Key Entry	No
Magnetic Stripe	Yes
IC with Contacts	Yes
VM Capability	
Plaintext PIN for ICC Verification	Yes
Enciphered PIN for online Verification	No
Signature (Paper)	No
Enciphered PIN for offline Verification	Yes
No CVM Required	Yes
ecurity Capability	
Static Data Authentication and Dynamic Data Authentication	Yes
Card Capture	No
Combined Dynamic Data Authentication / Application Cryptogram Generation	No
ransaction Type Capability	
Cash	No
Goods	Yes
Services	Yes
Cash Back	No
Inquiry	No
Transfer	No
Payment	No
Administrative	No
Cash Deposit	No
erminal Data Input Capability	
Does terminal have keypad	Yes
Numeric Keys	Yes
Alphabetic and Special Character Keys	No
Command Keys	Yes
Function Keys	No
erminal Data Output Capability	
Print, Attendant (Mandatory for terminals supporting signature)	No
Print, Cardholder	Yes
Display, Attendant (Mandatory for Attended terminals)	No
Display Cardholder	Yes
Code Table 10	No
Code Table 9	No
Code Table 8	No
Code Table 7	No
Code Table 6	No
Code Table 5	No
Code Table 4	No
Code Table 3	No
Code Table 2	No
Code Table 1	No

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erminal Capabilities	Value Supported
pplication Selection	
Support PSE selection Method	Yes
Support Cardholder Confirmation	Yes
Does Terminal have a preferred order of displaying applications	No
Does terminal perfom partial AID selection	Yes
Does the terminal have multi language support	Yes
Does the terminal support the EMV Language Selection method	Yes
Does the terminal support the Common Character Set as defined in Annex B table 20 Book 4	Yes
electable Kernel Configurations	1
Is your Multi-Configuration Kernel capable of dynamically selecting a configuration at the time of transaction based on 'triggers' as described in SU70?	No
ata Authentication	
What is the maximun supported Certificate Authority Public Key Size (Mandatory for terminals supporting Data Authentication with minimal support for 248 bytes)	248
What exponents does the terminal support (Mandatory for terminals supporting Data Authentication, 3 and 2^16+1)	3 and 2^16+1
During data authentication does the terminal check validity for revocation of Issuer Public Key Certificate	No
When supporting certificate revocation, what is the Certificate Revocation List format?	
Does the terminal contain a default DDOL (Mandatory for terminals supporting DDA)	Yes
Is operator action required when loading CA Public Key fails	No
CA Public Key verified with CA Public Key Check Sum	Yes
ardholder Verification Method	
Terminal supports bypass PIN Entry	No
Terminal supports Subsequent bypass PIN Entry	No
Terminal supports Get Data for PIN Try Counter	Yes
Terminal supports Fail CVM	Yes
Are amounts known before CVM processing	Yes
erminal Risk Management	
Floor Limit Checking (Mandatory for offline only terminals and offline terminals with online capability)	Yes
Random Transaction Selection (Mandatory for offline terminals with online capability, except when cardholder controlled)	Yes
Velocity Checking (Mandatory for offline only terminals and offline terminals with online capability)	Yes
Transaction Log	No
Exception File	Yes
Performance of Terminal Risk Management irrespective of AIP setting (expected behavior)	Yes

erminal Capabilities		Value Supported
erminal Action Analysis		
Does the terminal support Terminal Action Codes		Yes
Can the values of the Terminal Action Codes be changed		Yes
Can the Terminal Action Codes be deleted or disabled?		Yes
If yes what are the default TAC values supported? (according to Book 3 Section 10.7)	TAC Denial:	000000000
(accessing to 2000 o cosmon ton)	TAC Online:	000000000
	TAC Default:	000000000
Does Offline Only Terminal process Default Action Codes prior to First Gene	erate AC	No
Does Offline Only Terminal process Default Action Codes after First Genera	te AC	No
Does Online Only Terminal skip processing TAC/IAC-Default and automatical AAC when unable to go online	ally request an	No
Does Online Only Terminal process TAC/IAC-Default as normal when unable	e to go online	No
Device capable of detecting CDA failure before Terminal Action Analysis		No
Mode 1: Req. CDA on ARQC + Req. CDA on 2nd GenAC after approved On authorization		No
Mode 2: Req. CDA on ARQC + No Req. CDA on 2nd GenAC after approved authorization	I Online	No
Mode 3: No Req. CDA on ARQC + No Req. CDA on 2nd GenAC after approauthorization	oved Online	No
Mode 4: No Req. CDA on ARQC + Req. CDA on 2nd GenAC after approved authorization	I Online	No
ompletion Processing		
Transaction Forced Online Capability		No
Transaction Forced Acceptance Capability		No
Does terminal Support advices		No
Does the terminal support Issuer initiated Voice Referrals		No
Does the terminal support Batch Data Capture		Yes
Does the terminal support Online Data Capture		No
Does the terminal support a Default TDOL		Yes
xception Handling		
What is the POS Entry Mode value when IC cannot be read and the transactusing Magstripe (Mandatory for attended terminals)	tion falls back	81
iscellaneous		
Is the terminal equipped with a PIN Pad		Yes
Is the amount and PIN entered at the same keypad		No
Is the ICC/Magstripe Reader combined		Yes
If Combined ICC/Magstripe reader is supported, is Magstripe read first		No
Does the terminal support account type selection		No
Does the terminal support 'on fly' script processing (not recommended behavior	vior)	No
Is the Issuer Script device limit greater than 128 bytes		No
If the Issuer Script device limit is greater than 128 bytes, what is the value st	upported	
Does the terminal support Internal Date Management		Yes

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Attachment 1 Specific Terms and Conditions to the Letter of Approval

Restriction:			
None			