



April 03, 2009

Mr. Hans-Henning Kochsmeier
Wincor Nixdorf International GmbH
Banking Division PSD 6
Heinz-Nixdorf-Ring 1
33106 Paderborn, Germany

Re: EMVCo Letter of Approval -- Terminal Level 2

Approval Number(s): **2-01624-1-1C-CET-0209-4.1.e**
 2-01624-1-2C-CET-0209-4.1.e
 2-01624-1-1OS-CET-0209-4.1.e

EMV Application Kernel: **ProChip/EMV D/C (XP) V2.2**

As Tested In
 Terminal: **ProCash 2100**
 PinPad: **n/a**

Operating System: **1OS = Microsoft Windows XP**

Report ID **Session 1: 2WIN2_3-5687-1-1-08_CET - Cetecom ICT Services GmbH**

Approved Configurations:

Config	Vendor Config ID	Terminal	Checksum
1C	K1	14	74404649
2C	K2	14	03403231

Renewal Date: **19-Feb-2012**

Dear Mr. Kochsmeier:

EMVCo, LLC ("EMVCo"), a Delaware limited liability company, has received your request for Level 2 terminal type approval for the EMV Application Kernel (hereafter referred 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 4.2 of June 2008.

EMVCo hereby (a) grants your Application EMVCo Type Approval for Terminal Level 2, based on the requirements stated in the EMV 4.2 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).

Wincor Nixdorf International GmbH

This Letter of Approval is effective on dispatch from EMVCo..

EMVCo, LLC, a Delaware limited liability company

By:

Name: Pierre Girod

Title: EMVCo Terminal Type Approval

Terminal Capabilities	1C	2C								
Card Data Input Capability										
Terminal Type	14	14								
Manual Key Entry	No	No								
Magnetic Stripe	Yes	Yes								
IC with Contacts	Yes	Yes								
CVM Capability										
Plaintext PIN	No	No								
Online Enciphered PIN	Yes	Yes								
Signature (Paper)	No	No								
Offline Enciphered PIN	No	No								
No CVM	No	No								
Security Capability										
SDA	No	No								
DDA	No	No								
Card Capture	Yes	Yes								
CDA	No	No								
Transaction Type Capability										
Tran Type - Cash	Yes	Yes								
Tran Type - Goods	Yes	Yes								
Tran Type - Services	Yes	Yes								
Tran Type - Cash Back	No	No								
Tran Type - Inquiry	Yes	Yes								
Tran Type - Transfer	Yes	Yes								
Tran Type - Payment	Yes	Yes								
Tran Type - Admin	No	No								
Tran Type - Cash Deposit	Yes	Yes								
Terminal Data Input Capability										
Keypad	Yes	Yes								
Numeric Keys	Yes	Yes								
Alpha and Special Char Keys	Yes	Yes								
Command Keys	Yes	Yes								
Function Keys	Yes	Yes								

Terminal Data Output Capability										
Print, Attendant	No	No								
Print, Cardholder	Yes	Yes								
Display Attendant	No	No								
Display Cardholder	Yes	Yes								
Code Table 10	Yes	Yes								
Code Table 9	Yes	Yes								
Code Table 8	Yes	Yes								
Code Table 7	Yes	Yes								
Code Table 6	Yes	Yes								
Code Table 5	Yes	Yes								
Code Table 4	Yes	Yes								
Code Table 3	Yes	Yes								
Code Table 2	Yes	Yes								
Code Table 1	Yes	Yes								

(continued)	1C	2C								
Application Selection										
PSE	Yes	No								
Cardholder Confirmation	Yes	Yes								
Preferred order	No	No								
Parital AID Selection	Yes	Yes								
Multi language	Yes	Yes								
Common Character Set	Yes	Yes								
Data Authentication										
MAX CA Public key										
Exponents										
Revocation of IPKC	n/a	n/a								
Certificate Revocation List format										
Default DDOL	n/a	n/a								
Manual when CA PK load fails	n/a	n/a								
CA PK verified with check sum	n/a	n/a								
Cardholder Verification Method										
Bypass PIN Entry	No	No								
Subsequent Bypass PIN Entry	No	No								
Get Data for PIN Try Ctr.	No	No								
Fail CVM	Yes	Yes								
Amount known before CVM	No	No								
Terminal Risk Management										

Floor Limit Checking	No	No								
Random Trans Sel	No	No								
Velocity Checking	No	No								
Transaction Log	No	No								
Exception File	No	No								
Term Risk based on AIP	n/a	n/a								
Terminal Action Analysis										
Terminal Action Codes	Yes	Yes								
Default process prior to AC	No	No								
Default process after to AC	No	No								
Skip processing TAC/IAC	Yes	Yes								
Default as normal	No	No								
CDA fail detected prior TAA	n/a	n/a								
CDA always requested at GENAC1	n/a	n/a								
CDA never requested at GENAC1	n/a	n/a								
CDA always requested at GENAC2	n/a	n/a								
CDA never requested at GENAC2	n/a	n/a								
Completion Processing										
Forced Online	No	No								
Forced Acceptance	No	No								
Advices	No	No								
Issuer Referrals	No	No								
Batch Data Capture	No	No								
Online Data Capture	Yes	Yes								
Default TDOL	Yes	Yes								

(continued)	1C	2C								
Exception Handling										
POS Entry Mode	05	05								
Miscellaneous										
PIN Pad	Yes	Yes								
Amt and PIN same keypad	Yes	Yes								
ICC/Magstripe Combined	Yes	Yes								
Magstripe read first	Yes	Yes								
Supports account type sel?	No	No								
Issuer Script device limit >128?	Yes	Yes								
If >128, value supported?	ly limited	ly limited								
Internal Date Management ?	Yes	Yes								

Attachment 1
Specific Terms and Conditions to the Letter of Approval

Restrictions, if any:

None