February 09, 2026

Mr. MALVIN AGUSTO SULISTYO
PT NORXEL TEKNOLOGI INDONESIA
JALAN RANDUGARUT KM13
KEC. TUGU , KEL. RANDUGARUT

SEMARANG 50153
INDONESIA

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

EMV Application Kernel:	**Norxel NXL iX1000 EL2KNL Version V4.4c**
Approval Number(s):	**2-05775-1-1C-0226-4.4c**
	2-05775-1-1P-0226-4.4c
	2-05775-1-1OS-0226-4.4c

The EMV Application Kernel has been tested on the following terminal

Terminal:	**Norxel NXL iX1000**
PinPad:	**1P = SE8098D, F35-10 XZ-H701-F35-V1.05-D019 - PIN pad is valid for configuration(s): 1C**
Operating System:	**1OS = Windows 10,64bit Version 10.0**

Renewal Date:	**06-Feb-2030**

Report ID	Session 1:	**EDT25087 Version 1.0 - Bureau Veritas ICTK Co., Ltd.**

Kernel Checksum:

F5 8E CE FA

Configurations Checksums:

Config	Vendor Config ID	Terminal	Checksum
1C	C1	14	A6 0A 80 23

PIN Pads Checksums:

PinPad	Checksum
1P	

Dear Mr. SULISTYO:

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 4.4 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 and the Cryptographic Functions are part of the EMV specifications. This Contact Level 2 Kernel utilizes a specific Hardware component in the tested terminal to generate random numbers and/or Cryptographic Functions. To be EMV compliant, this Contact Level 2 Kernel shall be used in conjunction with terminals having this specific Hardware component.

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

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

(continued)	1C									
Terminal Action Analysis										
Terminal Action Codes supported	Yes									
TAC can be deleted or disabled	Yes									
How does offline only Terminal process Default Action Codes?	N/A									
How does online only terminal process TAC/IAC-Default when unable to go online?	Normal									
Completion Processing										
Forced Online	No									
Forced Acceptance	No									
Voice Referrals Initiated by Issuer	Yes									
Default TDOL	Yes									
Default TDOL not configured	No									
Exception Handling										
POS Entry Mode	92									
Miscellaneous										
Amount and PIN on same keypad	Yes									
ICC/Magstripe Reader Combined	Yes									
Supports account type selection	No									
Supports 'on fly' script processing	No									
Issuer Script device limit > 128 bytes	Yes									
If limit > 128, value supported?	400									
Internal Date Management	Yes									
Does the terminal support Receipt?	Yes									

Attachment 1
Specific Terms and Conditions to the Letter of Approval

Restriction:

None

Conditions:

This product is not able to handle transaction date beyond the 31st of December 2037.