HEAD OFFICE

General Department of Payment Systems

POS Terminal Approval Certificate No. #TV059



مركز التصاريح Certification Center

Ge-idea Solutions

P. O. Box 246868 Riyadh 11312 Kingdom of Saudi Arabia

24 November, 2016

Equipment Details

Type: POS

Model: VeriFone VX820

This letter is to confirm that the POS terminal specified above has successfully passed the testing required to approve its usage within mada, details of the approved configuration are mentioned in the sections below.

SAMA reserves the right to modify the certification procedures from time to time and Vendors may be required to repeat some or all testing already undertaken and in addition any new tests deemed necessary by SAMA.

SAMA as scheme regulator reserves the right to withdraw approval for a POS device should it be unable to demonstrate the ability to pass the tests specified in the current release of the certification procedures.

SAMA maintains a list of approved device on its website, potential customers for the POS terminal referred to in this letter should ensure that the device is on this list.

SAMA accepts no responsibility for any operational or interoperability problem not highlighted by the testing performed to gain this certificate and reserves the right to update the procedures and testing regime at any time in the future at its sole discretion. No Member of the mada scheme or Vendor supplying equipment for use by the scheme or its members should refer to their product, service or facility as either mada "approved" or imply that the mada scheme or SAMA endorses their products.

Signed on behalf of SAMA:

Abdullah Al-Rasheed Head of Quality Assurance





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Equipment Appearance



External reader(s)

N/A



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EMV L1/L2 Registration Number C15RAP08-17-2 - FIME EMEA

IFM (Level 1) Approval Reference 12646 0312 400 21 FIM

EMV Kernel (Level 2) Approval Reference 2-03281-1-5C-FIM-1015-4.3.d

EMV Specification Date and Version Vx EMV Module Version 7.0.0

MasterCard Terminal Quality Management

(TQM) Label

TQM0304/03

PCI PED Approval Number 4-40054

Pay Pass Kernel Approval Number TLOA-VERI150602-150830(a)

Pay Wave Kernel Approval Number CDVERI0709

Testing baseline

Version of this document used mada EFTPOS v6.0.2

Functionality approved for use with mada Switch

Integrated Chip Card (ICC) mada, MasterCard, Visa, AMEX and China Union

Pay

Magnetic Stripe MasterCard, Visa, AMEX and China Union Pay

Contactless mada, MasterCard, Visa

Equipment Details (Hardware)

Manufacturer VeriFone

Model Designation VX820

If the Manufacturer is different from the Vendor, please describe the commercial arrangement

between Manufacturer and Vendor and give detail

of how the equipment will be supported

Saudi Arabia - Exclusive Distributor

Input Devices Supported Single connector supports RS-232, USB device,

USB Host, Ethernet

Display Devices supported 3.5" color QVGA | resistive touch screen

Printing Devices N/A

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Communication method used by device

TCP/IP

PIN Pad

Integrated PINPAD PCI approved

Contactless Reader

Internal Reader

Languages supported

Arabic, English

Is there a language switch key?

Yes

Equipment Details (Software)

Kernel Software Version

EMV L2 Version 7.0.0

Visa Pay Wave Kernel Version

CLVI 03.02.04

MasterCard Pay Pass Kernel Version

CLMC 03.04.00

Operating system

1OS = Vx Version QT520245

Payment Applications supported

mada 🖂

Visa ⊠

MasterCard ⊠

Maestro ⊠

American Express ⊠

China Union Pay

Other (when applicable) \square

Non-Payment Applications supported

Application Type

N/A

Application Name

N/A

Application Version

N/A

Development Details

Version Control software used

Vericenter 3.0

How is version control managed for the

components of your product?

Terminal Remote System Engine.

Supporting documents may be required Is QA system used ISO 9000 accredited?

No





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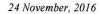
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EMV Level 2 Kernel Configurat	ion Details				
EMV Level 2 Kernel Configuration N for mada Certification	Number Used 5C				
EMV Terminal Type	22				
POS Entry Mode	80				
Card Data Input Capabilities					
Manual Key Entry ⊠	Magnetic Stripe ⊠	ICC ⊠	Contactless ⊠		
Cardholder Validation Method Capability					
Plaintext PIN for ICC Verification	Enciphered PIN fo	or online Verification			
Signature(Paper) ⊠ No CVM □	Enciphered PIN for offline Verification ⊠				
Security Capabilities					
Static Data Authentication (SDA) ⋈ Dynamic Data Authentication (DDA) ⋈ Combined Data Authentication (CDA) ⋈ Fast Data Authentication(FDDA) □ Card Capture □					
Transaction Type Capability					
Cash ⊠ Goods ⊠ Services ⊠ Payment □ Administrative □	naqd(Cash Back) Cash Deposit □	☑ Inquiry □ Tra	nsfer □		
Terminal Data Input Capability					
Keypad ⊠ Numeric Keys ⊠ Function Keys ⊠	Alphabetic and Special	Character Keys ⊠	Command Keys ⊠		
Terminal Data Output Capabili	ty				
Print, Attendant ⊠ Print, Cardhol	der Name□ Display	y Attendant ⊠ Dis	splay Cardholder		
Code Table 10 Code Table 9	☐ Code Table 8 ☐	Code Table 7 □	Code Table 6 □		
Code Table 5 Code Table 4	□ Code Table 3 □	Code Table 2 \square	Code Table 1 ⊠		
Application Selection					
Supporting PSE selection Method ⊠		Supporting Cardholder C	onfirmation 🗵		
Having a preferred order of displaying applications □		Performing partial AID ⊠			
Having multi language support ⊠		Having Common Character Set ⊠			





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Data Authentication				
What is the maximum supported Certificate Authority Public Key Size?	248			
What exponents does the terminal support? 3 and 2^16+1				
Certificate Revocation List Format	RID,CA Index and Serial No			
Checking the validity of revocation of Issuer F	Public Key Certificate ⊠ Terminal contains DDOL ⊠			
Manual Key Load When CA Public Key Load Fails ☐ CA Public Key Verified With Checksum ⊠				
Cardholder Verification Method				
Supporting bypass PIN Entry ⊠	Supporting Get Data for PIN Try Counter ✓			
Supporting Fail CVM ⊠ Supporting Amount Unknown before CV				
Supporting No CVM for Contactless ⊠				
Terminal Risk Management				
Floor Limit Checking Transaction Log Transac	Random Transaction Selection ✓ Velocity Checking ✓ Velocity ✓ Velocity			
Transaction Log ⊠ Terminal Risk Management Based on AIP ⊠	Exception File Controllers Limits Checking			
Terminal Action Analysis Terminal Action Codes ⋈ Default process prior to AC □ Default process after AC □				
	ault process prior to AC ☐ Default process after AC ☐ Lault as normal ☐ CDA fail detected prior TAA 🖂			
CDA always requested at GENAC1 ☐ CDA never requested at GENAC1 ☐				
CDA always requested at GENAC2 □	CDA never requested at GENAC2 ⊠			
Completion Processing				
Terminal Forced Online Capability ⊠	Transaction Forced Acceptance Capability			
Supporting Advices □ Supporting Batch Data Capture ⊠				
Supporting Online Data Capture □	Supporting Issuer Referrals ⊠			
Supporting Default TDOL ⊠				
Miscellaneous				
Pin Pad ⊠ Amount and PIN same keypad ⊠ ICC / Mag Stripe Combined □				
Mag Stripe read first □ Supports Account Type Selection ☑ Issuer script device limit > 128□				
Physical LED Light Indicators for contactless □ Software Light Indicators for contactless ⊠				
Sound indicators ⊠ ATEX Compliance Terminal and can be used in explosive environments ⊠				
External Reader				
External Reader Model	N/A			
External Reader Input Capability	N/A			

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