Saudi Arabian Monetary Agency

HEAD OFFICE

General Department of Payment Systems　　　　　　　　No. BC/T _____

CERTIFICATION LETTER

Reference #TV026

30 Dec 2013

To:　**Ge - Idea Solutions**
　　　P.O Box 246868 Riyadh 11312
　　　Kingdom of Saudi Arabia

From:　**SAMA Certification Centre**

Equipment Type:　**POS**

Equipment Designation:　**SPECTRA –T1000**

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

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 SPAN scheme or Vendor supplying equipment for use by the scheme or its members should refer to their product, service or facility as either SPAN "approved" or imply that the SPAN scheme or SAMA endorses their products.

Signed on behalf of SAMA:

Saleh Al-Harbi

Head of Quality Assurance

P.O. Box: 2992　Riyadh 11169　Saudi Arabia - Tel: 01 - 441 9413 - Telex 404390 SJ - Fax: 01 - 466 2851

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Part 1 – Vendor Contact Details	
Vendor Name	GEIDEA SOLUTIONS
Contact Name	MUAYYAD IDILY
Contact Address	Riyadh , Canary Center , Office 112,113
Contact Telephone Number(s)	+966 1 465 2881 Ext 110
Contact e-mail Address	muayyad@geidea.net
Part 2 - Pre-Requisites	
EMV L1/L2 Registration Number	TEMV1102024 - Beijing Unionpay Card technology Co., Ltd (Bank Card Test Center)
IFM (Level 1) Approval Reference	12554 0611 400 21 BCT
EMV Kernel (Level 2) Approval Reference	2-02134-1-1C-BCT-0911-4.2c
EMV Specification Date and Version	EMV 4.2 2008
MasterCard Terminal Quality Management (TQM) label	TQM0200/01
PCI PED Approval Number	4-40073
Part 3 - Testing baseline	
Version of this document used:	EFTPOS 5.3
Part 4 - Functionality approved for use with the SPAN Switch:	
Integrated Chip Card (ICC)	SPAN, MasterCard ,Visa
Legacy Magnetic Stripe	SPAN, Visa, MasterCard, AMEX
Part 5a – Equipment Details (Hardware)	
Manufacturer	SPECTRA
Model Designation	T1000
If the Manufacturer is different from the Vendor in Section 1, 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	2 X RS232 , Magistrate , ICC
Display Devices supported	2.4" 320*240 TFT 256K COLOR LCD
Printing Devices	2.25" Thermal 384 Dots, 18 Lines/Sec
Communication method used by device	Dialup (V.34 / 33.6 / 56Kbps), TCP/IP (10/100Mbps)

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PIN Pad	Integrated PINPAD – PCI approved
Languages supported (note: must support Arabic and English)	Arabic , English
Is there a language switch key?	Y
Part 5b – Equipment Details (Software)	
Kernel Software Version	EMV DLL
Operating system	1OS = Boot System
Applications supported	

SPAN	Y
Visa ICC	Y
MasterCard ICC	Y
Visa Magnetic Stripe	Y
MasterCard Magnetic Stripe	Y
Other (where applicable)	American Express and Maestro
Part 6 – Development Details	
Version Control software used	STRD2.0
How is version control managed for the components of your product? Supporting documents may be required	Terminal Remote System Engine.
Is QA system used ISO 9000 accredited?	No
Part 7 – EMV Level 2 Kernel Configuration Details	
EMV Level 2 Kernel Configuration Number Used for SPAN Certification	1C
Terminal Capabilities	
Card Data Input Capability	
Terminal Type	22
Manual Key Entry	Y
Magnetic Strip	Y
IC with Contacts	Y
CVM Capability	
Plaintext PIN for ICC Verification	Y

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Enciphered PIN for online Verification	Y
Signature(Paper)	Y
Enciphered PIN for offline Verification	Y
No CVM	N
Security Capability	
Static Data Authentication	Y
Dynamic Data Authentication	Y
Card Capture	N
Combined Data Authentication	Y
Additional Terminal Capabilities	
Transaction Type Capability	
Cash	Y
Goods	Y
Services	Y
Cash Back	Y
Inquiry	N
Transfer	N
Payment	N
Administrative	N
Cash Deposit	N
Terminal Data Input Capability	
Keypad	Y
Numeric Keys	Y
Alphabetic and Special Character Keys	Y
Command Keys	Y
Function Keys	Y
Terminal Data Output Capability	
Print, Attendant	Y
Print, Cardholder Name	N

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Display Attendant	Y
Display Cardholder	N
Code Table10	N
Code Table9	N
Code Table8	N
Code Table7	N
Code Table6	N
Code Table5	N
Code Table4	N
Code Table3	N
Code Table2	N
Code Table1	Y
Application Selection	
Support PSE selection Method	Y
Support Cardholder Confirmation	Y
Does Terminal have a preferred order of displaying applications	N
Does terminal perform partial AID	Y
Does the terminal have multi language support	N
Does the terminal have Common Character Set	Y
Data Authentication	
What is the maximum supported Certificate Authority Public Key Size	248
What exponents does the terminal support	3 and 2^16+1
During data authentication does the terminal check the validity of revocation of Issuer Public Key Certificate	Y
Certificate Revocation List Format	RID, CA Public Key Index, Certificate Serial
Does the terminal contain a DDOL	Y
Manual When CA Public Key Load Fails	Y
CA Public Key Verified With Checksum	N
Cardholder Verification Method	

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Terminal support bypass PIN Entry	Y
Terminal support Get Data for PIN Try Counter	Y
Terminal support Fail CVM	Y
Terminal support Amount Unknown before CVM	Y
Terminal Risk Management	
Floor Limit Checking	Y
Random Transaction Selection	Y
Velocity Checking	Y
Transaction Log	Y
Exception File	N
Terminal Risk management based on AIP	Y
Terminal Action Analysis	
Terminal Action Codes	Y
Default process prior to AC	N
Default process after AC	N
Skip processing TAC/IAC	N
Default as normal	Y
CDA fail detected prior TAA	Y
CDA always requested at GENAC1	Y
CDA never requested at GENAC1	N
CDA always requested at GENAC2	Y
CDA never requested at GENAC2	N
Completion Processing	
Terminal Forced Online Capability	Y
Transaction Forced Acceptance Capability	N
Does Terminal support Advices	Y
Does Terminal support Issuer Referrals	Y
Does Terminal support Batch Data Capture	Y
Does Terminal support Online Data Capture	Y

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Does Terminal support Default TDOL	Y
Exception Handling	
POS Entry Mode	92
Miscellaneous	
PIN PAD	N
Amount and PIN same keypad	Y
ICC / Magstripe Combined	N
Magstripe read first	N
Supports Account Type Selection	N
Issuer script device limit > 128	Y

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