

Thursday, October 20, 2016

911 Software, Inc.
265 S. Federal Hwy #353
Deerfield beach, FL 33441

Dear Zorrik Voldman:

Heartland Payment Systems is pleased to issue this **Certification Letter** for the following application processing on the HPS Exchange platform through the **Portico** gateway.

Integration Type: Fully Integrated
POS Application Name: Cloud9 vTerminal
POS Application Version: v1.1
Middleware Name: Cloud9 Payment Gateway API
Middleware Version: v1.1
Peripheral Model: iPP320
Peripheral Software Name: RBA
Peripheral Software Version: 18.04B3
Gateway Name: Cloud9 Payment Gateway
Gateway Version: 1.1
EMV Parameter Configuration Name: Cloud9

Protocol: IP - single-trans.
Stack: TLS 1.2
Voltage: No

Contact Kernel Info

EMV Kernel Name: EMVDC version 4.67
EMVCo Level 1 - Expiry Date: 12348 0210 400 20 FIM - 2/2/2018
EMVCo Level 2 - Expiry Date: 2-02779-1-1C-UTS-0314-4.3.c - 2/28/2017
Applicable Brands: Visa, MC, Discover, AmEx
Environment: Attended
Communication: Offline w/ Online Capability
Operational Control: Merchant

General

Features: MasterCard Card Acceptor Terminal ID
Industry: Retail and Restaurant
Card Types: Visa, MasterCard, Discover, JCB, American Express

Tran Types: Card Verify (by Account)
Card Verify (by AVS)
Credit Balance Inquiry
Credit Sale (swiped)
Credit Sale (manual entry card-present)
Credit Sale (manual entry card-not-present)
Credit Authorization (swiped)
Credit Authorization (manual entry card-present)
Credit Authorization (manual entry card-not-present)
Address Verification (AVS)
Card Security Code (CVV2, CVC2, CID)
Contactless (PayWave, PayPass, ExpressPay, Zip)

Credit Partial Approval
Tip Edit
Tip on Purchase
Level II Corporate Purchase Cards
Offline Forced Purchase (Voice Auth)
Credit Return (by track data)
Credit Return (by TxnID)
Credit Online Void/Reversal
Credit Partial Reversal
Debit Purchase (with and without Cash Back)
Debit Partial Approval
Debit Purchase Reversal
Debit Return
Debit Return Reversal
EBT Food Stamp Purchase
EBT Food Stamp Return
EBT Electronic Voucher
EBT Food Stamp Balance Inquiry
EBT Cash Benefits Purchase (with and without Cash Back)
EBT Cash Benefits Withdrawal
EBT Balance Inquiry
GIFT: Activate, Load, Balance Inquiry, Redeem, Void, Time Out Reversal, Deactivate, & Receipt Messaging.
REWARD: Balance Inquiry, Reward, & Receipt Messaging.

EMV Parameter Sheet

ICC Reader: **INGENICO iPP320**

L2 Configuration: **2-02779-1-1C-UTS-0314-4.3.c**

Card Data Input Capability		Data Authentication	
Terminal Type	22	MAX CA Public Key	248
Manual Key Entry	Yes	Exponents	3 & 2^16+1
Magnetic Stripe	Yes	Revocation of Issuer PK Certificate	Yes
IC with Contacts	Yes	Certificate Revocation List Format	RID/Idx/Ser
CVM Capability		Default DDOL	Yes
Plaintext PIN	Yes	Manual act. when CA PK loading fails	No
Online Enciphered PIN	Yes	CA PK verified with check sum	Yes
Signature (Paper)	Yes	Cardholder Verification Method	
Offline Enciphered PIN	Yes	Bypass PIN Entry	Yes
No CVM	Yes	Subsequent Bypass PIN Entry	No
Security Capability		Get Data for PIN Try Counter	Yes
SDA	Yes	Fail CVM	Yes
DDA	Yes	Amount known before CVM process.	Yes
Card Capture	No	Terminal Risk Management	
CDA	Mode 1	Floor Limit Checking	Yes
Transaction Type Capability		Random Transaction Selection	Yes
Tran Type - Cash	Yes	Velocity Checking	Yes
Tran Type - Goods	Yes	Transaction Log	Yes
Tran Type - Services	Yes	Exception File	Yes
Tran Type - Cash Back	Yes	TRM irrespective of AIP setting	Yes
Tran Type - Inquiry	No	Terminal Action Analysis	
Tran Type - Transfer	No	Terminal Action Codes supported	Yes
Tran Type - Payment	No	TAC can be changed	Yes
Tran Type - Admin	No	TAC can be deleted or disabled	No

Tran Type - Cash Deposit	No	How does offline only Terminal process Default Action Codes?	No
Terminal Data Input Capability		How does online only terminal process TAC/IAC-Default when unable to go online?	No
Keypad	Yes	CDA failure detected prior TA Analysis	Yes
Numeric Keys	Yes	Completion Processing	
Alpha & Special Character Keys	Yes	Forced Online	Yes
Command Keys	Yes	Forced Acceptance	Yes
Function Keys	Yes	Advices	Yes
Terminal Data Output Capability		Issuer Referrals	Yes
Print, Attendant	Yes	Batch Data Capture	Yes
Print, Cardholder	No	Online Data Capture	Yes
Display, Attendant	Yes	Default TDOL	Yes
Display, Cardholder	No	Exception Handling	
Code Table 10	No	POS Entry Mode	80
Code Table 9	No	Miscellaneous	
Code Table 8	No	PIN Pad	No
Code Table 7	No	Amount and PIN on same keypad	Yes
Code Table 6	No	ICC/Magstripe Reader Combined	No
Code Table 5	No	If Combined, is Magstripe read first?	No
Code Table 4	No	Supports account type selection	Yes
Code Table 3	No	Supports 'on fly' script processing	No
Code Table 2	No	Issuer Script device limit > 128 bytes	Yes
Code Table 1	Yes	If limit > 128, value supported?	1024
Application Selection		Internal Date Management	Yes
PSE	Yes		
Cardholder Confirmation	Yes		
Preferred display order	No		
Partial AID Selection	Yes		
Multi language	Yes		
EMV Language Selection Method	Yes		
Common Character Set	Yes		

The certification performed is a limited test and it remains the responsibility of 911 Software, Inc. to ensure all current and future data elements are supplied for Interchange compliance. 911 Software, Inc. must also ensure the "full and unaltered contents" of the magnetic stripe are transmitted in each electronic authorization request message for all card types, and that the contents of the magnetic stripe are not retained in their entirety in memory, logs, databases, or files after the authorization is complete. 911 Software, Inc. is responsible for ensuring its software applications do not invalidate the merchant's ability to be PCI compliant. 911 Software, Inc. is responsible for maintaining its software application's compliance with current PCI/PA-DSS specifications which can be found at www.pcisecuritystandards.org.

The Heartland Service Center is comprised of dedicated teams broken out by geographical regions that provide service for beta and production merchants. Support is available 24 hours per day, including holidays and weekends. For technical assistance during your beta period, please contact (888) 963-3600 for any assistance.

Please note: You must recertify the application software if modifications are made to the payment application/module or component that is processing to the certified interface.

For any questions regarding this certification letter, please email me at: Julio.Arellano@e-hps.com

Heartland Internal Use Only:	
Developer ID/Version Number:	002914/1488
SWAT Project#:	B600

Regards,

Julio C. Arellano
Sr. POS Integrations Analyst