

This letter applies to the following point-of-sale transaction processing environment:

Certification details	
Client Name	911 Software
Project Number	PRJ-097965
TPPID	R91001
Security Code/PID/Bank FIID	N/A
Service Type	EMV Certification
Terminal Type	Gateway Solution
Terminal Brand / Model	Ingenico/ Move5000
Software Application Name	Cloud9 Payment Gateway
Software Version	V 2.0
PIN Pad Device Name	N/A
PIN Pad Software Application	N/A
PIN Pad Software Version	N/A

We are able to confirm that the above device/software has satisfied all testing requirements for the First Data Certification, as per the results of the tests completed on **October 31st, 2019**. It is an expectation that no code changes are to be made after the certification event and subsequent approval(s) are given. No changes outside of those defined in the parameters of the certified project are permitted to be implemented in a production environment. First Data is not responsible for any code changes that adversely impact the original certification. Regression testing is based on a subset of existing indicated functionality. Regression is not to be considered a recertification of existing functions or features.

First Data non-chip certification tests are a series of online tests between a payment accepting device (including PIN entry devices) and First Data’s test authorization system. These tests verify that payment transactions are processed correctly according to First Data specifications.

First Data chip certification tests are a series of online tests between an EMV card accepting device (including PIN entry devices) and the Brand’s and/or First Data’s test authorization system. These tests verify that EMV cards are processed correctly according to the EMV specifications of MasterCard, Visa, American Express and Discover.

Any testing involving SAF (Store and Forward) does not indicate Certification or Validation of that functionality. SAF processing risk is placed on the client performing this transaction type. First Data is not responsible for any losses related to SAF processing.

Based upon the results of the tests, First Data hereby grants the above referenced device and transaction processing application approval for acquirer certification.

Sincerely,

*Alexandra Montoya*

Digitally signed by Alexandra Montoya

VP - Operations

(954) 851-7434 | <mailto:alexandra.montoya@firstdata.com>



## Transaction Types

- |   |   |
|---|---|
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Activation (Visa Only)         | <input type="checkbox"/> New <input type="checkbox"/> Existing - Fraud Score                                |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Authorization       | <input type="checkbox"/> New <input type="checkbox"/> Existing - Incremental Auth                           |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Balance Inquiry     | <input type="checkbox"/> New <input type="checkbox"/> Existing - Internet Activation                        |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Balance Lock                   | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Keyed                           |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Balance Merge                  | <input type="checkbox"/> New <input type="checkbox"/> Existing - Least Cost Routing                         |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Batch Close         | <input type="checkbox"/> New <input type="checkbox"/> Existing - Load (Visa Only)                           |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Batch Open          | <input type="checkbox"/> New <input type="checkbox"/> Existing - Online PIN Debit Refund                    |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Batch Settle Detail | <input type="checkbox"/> New <input type="checkbox"/> Existing - Online Refund Auth (Credit)                |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Cashout                        | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Partial Authorization           |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Cashout Active Status          | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Partial Reversal                |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Change                         | <input type="checkbox"/> New <input type="checkbox"/> Existing - Payeezy                                    |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Completion                     | <input type="checkbox"/> New <input type="checkbox"/> Existing - Recharge                                   |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Convenience Fee                | <input type="checkbox"/> New <input type="checkbox"/> Existing - Redemption                                 |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Credentials On File (COF)      | <input type="checkbox"/> New <input type="checkbox"/> Existing - Redemption Unlock                          |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Deactivation/Cashout           | <input type="checkbox"/> New <input type="checkbox"/> Existing - Reload                                     |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Disable Internet Trans         | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Sale                            |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - EBT Refund                     | <input type="checkbox"/> New <input type="checkbox"/> Existing - Surcharge                                  |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - EBT Void                       | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Swiped                          |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - EBT Voucher Clear              | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - TOR (Time Out Reversal)         |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - EMV (US Version)    | <input type="checkbox"/> New <input type="checkbox"/> Existing - Void of a Refund                           |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - EMV (Int'l not supported)      | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Void/Full Reversal/Cancellation |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Fail Over Testing              | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Zero Dollar Verification        |

### TERMINAL Message Functions:

- New  Existing - Total Request
- New  Existing - Shift Totals Report
- New  Existing - End Of Day
- New  Existing - Current Day Total
- New  Existing - Previous Day Total
- New  Existing - Daily Totals Reports (Close/Load)

### Key: Generate/ Request

- New  Existing - CAPK
- New  Existing - MAC
- New  Existing - Offset
- New  Existing - DUKPT
- New  Existing - TransArmor

## Products and Services

- |  |  |
|--|--|
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Airline Addendum                | <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Transit                   |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Amex CAPN                       | <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Vision                    |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Amex Safekey (3D Secure)        | <input type="checkbox"/> New <input type="checkbox"/> Existing - HealthCare Auto Sub               |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - AVS Full             | <input type="checkbox"/> New <input type="checkbox"/> Existing - Host Recurring Payments           |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - AVS Zip Only         | <input type="checkbox"/> New <input type="checkbox"/> Existing - Installment Payments              |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Bill Payment                    | <input type="checkbox"/> New <input type="checkbox"/> Existing - Interac Flash (Contactless- CAN)  |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Cash Out                        | <input type="checkbox"/> New <input type="checkbox"/> Existing - MC Secure Code (UCAF) (3D Secure) |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Cash Out Active Status          | <input type="checkbox"/> New <input type="checkbox"/> Existing - MC Money Send                     |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Cash Out Deactivation           | <input type="checkbox"/> New <input type="checkbox"/> Existing - MVV/MAID                          |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - CID-Amex             | <input type="checkbox"/> New <input type="checkbox"/> Existing - NACS Product Codes                |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - CID-Discover         | <input type="checkbox"/> New <input type="checkbox"/> Existing - Online Refunds                    |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - COF (Credential on File)        | <input type="checkbox"/> New <input type="checkbox"/> Existing - Opt Blue (Amex FSP)               |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Contactless EMV      | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Partial Auth           |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Contactless MSR      | <input type="checkbox"/> New <input type="checkbox"/> Existing - Payment Facilitator               |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Convenience Fee                 | <input type="checkbox"/> New <input type="checkbox"/> Existing - Payment on Existing Debt          |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - CPS Retail Key (With AVS)       | <input type="checkbox"/> New <input type="checkbox"/> Existing - Paypal                            |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - CVC2 – MasterCard    | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - PC Level II            |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - CVV2 – Visa          | <input type="checkbox"/> New <input type="checkbox"/> Existing - PC Level III                      |
| <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Debit Cashback       | <input type="checkbox"/> New <input type="checkbox"/> Existing - PC Level III Open                 |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Deferred Bill Payment           | <input type="checkbox"/> New <input type="checkbox"/> Existing - Petro Mail                        |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Discover Cashover               | <input type="checkbox"/> New <input type="checkbox"/> Existing - Quasi Cash                        |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Discover Full Service           | <input type="checkbox"/> New <input checked="" type="checkbox"/> Existing - Recurring Payment      |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Discover ProtectBuy (3D Secure) | <input type="checkbox"/> New <input type="checkbox"/> Existing - Secure eComm Transaction          |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - EBT Cashback                    | <input type="checkbox"/> New <input type="checkbox"/> Existing - Smart/ADV Smart Routing           |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - eComm Reseller                  | <input type="checkbox"/> New <input type="checkbox"/> Existing - Soft Descriptors                  |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FDFG (FD File Gateway)          | <input type="checkbox"/> New <input type="checkbox"/> Existing - Split Shipment/Multi-Clearing     |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - Fraud Flex Detect               | <input type="checkbox"/> New <input type="checkbox"/> Existing - STAR Access                       |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA (List type)             | <input type="checkbox"/> New <input type="checkbox"/> Existing - Table Load                        |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Clinical                | <input type="checkbox"/> New <input type="checkbox"/> Existing - Track I                           |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Co-Payment              | <input type="checkbox"/> New <input type="checkbox"/> Existing - Track II                          |

- New  Existing - Visa Real Time Account Updater
- New  Existing - Visa Single Bill Pay

### TransArmor:

- New  Existing - 3DES
- New  Existing - Encryp/Token
- New  Existing - Multipay
- New  Existing - RSA/PKI
- New  Existing - Single Use
- New  Existing - Token Only
- New  Existing - Verifone (TAVE)

### MobilePay:

- New  Existing - AmazonPay
- New  Existing - ApplePay
- New  Existing - GooglePay
- New  Existing - InApp
- New  Existing - InStore
- New  Existing - SamsungPay

### Currency Processing:

- New  Existing - DCC
- New  Existing - Global ePricing (GeP)
- New  Existing - GMA (Global Mrch Acq)
- New  Existing - MultiCurrency



- |  |  |
|--|--|
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Dental      | <input type="checkbox"/> New <input type="checkbox"/> Existing - Ucomm Mobile                        |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA Healthcare  | <input type="checkbox"/> New <input type="checkbox"/> Existing - Verified by Visa (VPAS) (3D Secure) |
| <input type="checkbox"/> New <input type="checkbox"/> Existing - FSA/HRA RX/Pharmacy | <input type="checkbox"/> New <input type="checkbox"/> Existing - Visa OCT Original Credit Txn        |

EMV Section					
Point of Interaction (POI) Attended			US Common Debit AID (CAID) - Auto Select		
US Common Debit AID (CAID)-Msg Type Dual			AFD (Automated Fuel Dispenser) <input type="checkbox"/>		
CVM's (Contact)	Online Pin <input checked="" type="checkbox"/>	Offline Plain Txt <input checked="" type="checkbox"/>	Offline Enciphered <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>	No CVM <input checked="" type="checkbox"/>
CVM's (Contactless)	Online Pin <input checked="" type="checkbox"/>	ODCVM <input type="checkbox"/>	Signature <input type="checkbox"/>	No CVM <input checked="" type="checkbox"/>	
LOA 2 Contact <input type="checkbox"/> Exp Date <a href="#">Click here to enter text.</a>			Version # <a href="#">Click here to enter text.</a>		
LOA 2 Visa Contactless <input type="checkbox"/> Exp Date <a href="#">Click here to enter text.</a>			Version # <a href="#">Click here to enter text.</a>		
LOA 2 MC Contactless <input type="checkbox"/> Exp Date <a href="#">Click here to enter text.</a>			Version # <a href="#">Click here to enter text.</a>		
LOA 2 Amex Contactless <input type="checkbox"/> Exp Date <a href="#">Click here to enter text.</a>			Version # <a href="#">Click here to enter text.</a>		
LOA 2 Discover Contactless <input type="checkbox"/> Exp Date <a href="#">Click here to enter text.</a>			Version # <a href="#">Click here to enter text.</a>		
PCI-PED Approval (s) <input type="checkbox"/>			Exp Date <a href="#">Click here to enter text.</a>		
TQM Label (s) <input type="checkbox"/>			Exp Date <a href="#">Click here to enter text.</a>		
Device Manufacturer <a href="#">Click here to enter text.</a>		Contact <input type="checkbox"/>	Contactless <input type="checkbox"/>		
Device Model <a href="#">Click here to enter text.</a>		Contact <input type="checkbox"/>	Contactless <input type="checkbox"/>		
Visa US Common Debit (A0000000980840)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Visa Credit (A0000000031010)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Visa Electron (A0000000032010)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Interact (A0000002771010)		Contact <input type="checkbox"/>			
Mastercard Credit (A0000000041010)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Mastercard US (A0000000042203)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Maestro Intl (A0000000043060)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Amex (A00000002501)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
Discover ZIP MSD (A0000003241010) <b>*Note: Discover ZIP MSD is included in Discover Contactless Test Plan.</b>			Contactless <input type="checkbox"/>		
Discover D-PAS (A0000001523010)		Contact <input checked="" type="checkbox"/>	Contactless <input type="checkbox"/>		
Discover Common (A000000152410)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
JCB Credit (A0000000651010)		Contact <input checked="" type="checkbox"/>			
Interlink (A0000000033010)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
DNA Shared Debit (A0000006200620)		Contact <input checked="" type="checkbox"/>			
UnionPay Credit (A000000333010103)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
UnionPay Quasi Credit (A000000333010103)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
UnionPay Debit (A000000333010101)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		
UnionPay US Common Debit(A000000333010108)		Contact <input checked="" type="checkbox"/>	Contactless <input checked="" type="checkbox"/>		

Waiver/Exception				
Seq	Type	Description	Expiration Date	Comment
1	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
2	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
3	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
4	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
5	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
6	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
7	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
8	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
9	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>
10	Choose an item.	<a href="#">Click here to enter text.</a>	<a href="#">Click or tap to enter a date.</a>	<a href="#">Click here to enter text.</a>

Scope Change			
Scope Change #1			
Person Requesting Change:		Relationship to Project:	Requestor Choose an item.
Request Date:	<a href="#">Click here to enter a date.</a>	Final Approved Date:	<a href="#">Click here to enter a date.</a>
Description			
Impact:			
Client Cert Approver:		Date:	<a href="#">Click here to enter a date.</a>
Requestor/Channel Approver:		Date:	<a href="#">Click here to enter a date.</a>
Client Approver:		Date:	<a href="#">Click here to enter a date.</a>