

## Discover D-PAS Terminal End-to-End Letter Of Certification

FDCS – North

1057\_242967\_03292017\_911 Software\_Ingenico\_IPP320\_RC\_NV

1307 Walt Whitman Rd

Melville, NY 11747

United States

May 12, 2017

This letter confirms that the following D-Payment Application Specification (D-PAS) certification tests were executed successfully against the payment system operated by FDCS – North as outlined in the D-PAS Certification Manual.

**D-Payment Application Specification (D-PAS) Terminal End-to-End Certification** ensures that terminals can accept D-PAS cards, demonstrates the ability to send and receive authorization requests and responses between a terminal, Acquirer host, and the network. The test also demonstrates the capability of terminals to process chip-based functions including support of PIN, fallback transactions, and card verification methods (as supported by the terminal).

The following test case(s) were not performed as part of D-PAS Terminal End-to-End Certification:

Test Case Excluded	Rationale	Waiver
E2E_06	Issue: 19-digit PAN is not supported Result: Test case is not applicable Comment: First Data does not support 19-digit PAN	Reference exception number 01616
E2E_21	Issue: Expiration date in card image is 29-Feb-2016 Result: Transaction is not performed completely Comment: This test case is treated as Not Applicable by Discover and therefore hidden by BTT	N/A
E2E_35	Issue: Field 22 Pos 1-2 should equal '02'. Result: '85' is sent which means technical fallback. Comment: First Data recommends DE22 sent with '85' to avoid charge back.	Waiver: FDC-DISC-FB-11142016
E2E_36	Issue: 19-digit PAN is not supported Result: Test case is not applicable Comment: First Data does not support 19-digit PAN	Reference exception number 01616

E2E_CL_05	Issue: 19-digit PAN is not supported Result: Test case is not applicable Comment: First Data does not support 19-digit PAN	Reference exception number 01616
E2E_CL_15	Issue: Expiration date in card image is 29-Feb-2016 Result: Test case is not performed Comment: This test case is treated as Not Applicable by Discover and therefore hidden by BTT.	NA


Service Information	
Certification Type	Full Certification <input checked="" type="checkbox"/> Recertification <input type="checkbox"/> Expansion <input type="checkbox"/>
If Recertification, Reason for Testing	N/A
Form Factor	Contact <input checked="" type="checkbox"/> Contactless <input checked="" type="checkbox"/>
Terminal Manufacturer	Ingenico
Terminal Model	iPP320
Payment Application Software + Version Number	Cloud9 Payment Gateway v1.1
D-PAS Terminal E2E Qualified Test Tool	Collis Brand Test Tool & SmartLink Box / SmartWave Box
D-PAS Test Plan	Contact: V1.4 Contactless: V1.2

**\*CONDITIONS FOR APPROVAL\***

Certification tests conducted were to establish that the payment system, its components and the terminal indicated in this certification letter were able to support D-PAS Chip Card transactions. No warranty of the internal operation of the payment system is implied or should be inferred.

If test cases were assigned during D-PAS Terminal End-to-End Certification as a result of conditional host certification please contact your D-PAS Implementation Manager to discuss any outstanding host test cases or a revised host certification letter.

Please notify us if there are issues with the results of the tests conducted or if any additional tests are required.

 <b>Discover Network Acquirer Terminal End-to-End Certification Request Form</b>	
DN v7.0	
<p><b>Instructions:</b> Complete this form for <u>each unique combination</u> of terminal kernel, payment application, and terminal-to-acquirer interface.</p> <p>*Note: The information submitted on this form will determine the test cases assigned during certification.</p> <p>Discover Network Acquirer Terminal End-to-End Certification is required when one or combination of the following events occurs:</p> <ul style="list-style-type: none"> <li>- New EMV Kernel</li> <li>- Change/update to an existing EMV kernel</li> <li>- New payment application</li> <li>- Change/update to a payment application impacting chip card processing</li> <li>- Change involving peripheral equipment impacting chip card processing (example: signature pad, pin-pad, reader).</li> </ul> <p>The coloring of the cells indicate when the cells should be filled out:</p> <ul style="list-style-type: none"> <li>- <b>No Color</b> = to be filled out</li> <li>- <b>grey</b> = to be left empty</li> <li>- <b>blue</b> = optional/conditional</li> <li>- <b>red</b> = wrongly filled out</li> <li>- <b>green</b> = acceptable value</li> <li>- <b>orange</b> = unexpected value</li> </ul>	
<b>Customer Information (to be presented on Letter of Certification)</b>	
Customer Name	FDCS - North
Customer Type	Acquirer/Processor
Platform Name (if applicable)	North Nashville
Merchant 1	911Software
Merchant 2	
VAR/Gateway 1	
VAR/Gateway 2	
DFS Acquirer/ Merchant ID	
Account ID	
Contact Name	Saha, Sujit
Email address of contact person	Sujit.Saha@firstdata.com
Address of contact person	1307 Walt Whitman Rd
City	Melville
Zip Code	11747
Country/Region	United States
State	New York
Telephone number	973-368-9400 Ext – 305848
Date	November 16, 2016
<b>Certification Scope</b>	
Is DPAS Contact in scope for this certification?	Yes
Is DPAS Contactless in scope for this certification?	Yes

Service Information	
Certification Type	Initial Certification
Recertification Type	
Reason for Recertification	
Other reason for Recertification	
Discover Terminal E2E Certification Type	New Certification
Location of Terminal Deployment (1)	United States
Location of Terminal Deployment (2)	
Terminal Type	Attended POS
Is this a Standard EMV or Discover Quick Chip certification?	Standard EMV
Transaction type supported - Sale	Yes
Transaction type supported - Cash Over	Yes
Transaction type supported - Cash Advance or Quasi Advance	No
Transaction type supported - Reversal	Yes
Transaction type supported - Pre-Authorization	No
Transaction type supported - PIN Management	No
Transaction type supported - Other	
Terminal Manufacturer	Ingenico
Terminal Manufacturer - Other	
Terminal model	iPP320
D-PAS Terminal E2E qualified test tool	Collis - Collis Brand Test Tool & SmartLink Box/SmartWave Box
Contact D-PAS Test Plan Release Version	v1.4
Contactless D-PAS Test Plan Release Version	v1.2
Total number of terminals to be deployed	5000
Total number of terminals in market today	200
Is terminal model still being purchased/deployed or is it an older "legacy" model?	Still deployed
DFS Physical Test Plastics to be used?	No
D-PAS Chip Card Simulator available for testing?	Yes
Expansion Certification Type	
Discover Debit	
JCB	
UnionPay	
Discover Quick Chip	
Contact Online PIN Support	
Contactless Online PIN Support	

Contact D-PAS Kernel Functional Approval	
EMVCo Contact L1 approval number	12348 0210 400 20 FIM
EMVCo Contact L1 renewal date	February 2, 2018
EMVCo Contact L2 approval number	2-02779-1-1C-UTS-0314-4.3.c
EMVCo Contact L2 renewal date	February 28, 2017
Payment Application software name + version	Cloud9 Payment Gateway v1.1
Contactless D-PAS Kernel Functional Approval	
EMVCo Contactless L1 approval number	10485 1015 231 231b 231a CEM
EMVCo Contactless L1 renewal date	October 2, 2019
Terminal product has an approved D-PAS Contactless kernel?	Yes
D-PAS Contactless kernel approval expiration date	November 11, 2018
Terminal Configuration	
Does terminal have a PIN Pad?	Yes
PIN Bypass Allowed?	Yes
Does terminal have the ability to print receipts?	Yes
Does terminal have a combined magnetic stripe and chip reader?	No
Can the terminal force a transaction online?	No
Is the terminal configured to allow the merchant to force acceptance (override a decline)?	No
Is the terminal located at an unattended gas/petrol station?	No
List all Application IDs (AIDs) supported	A0000001523010, A0000001524010, A0000003241010 A0000000031010, A0000000032010, A0000000033010, A0000000980840 A0000000041010, A0000000043060, A0000000042203 A00000002501

Card Data Input Supported	
Contact DPAS support	Yes
Contactless DPAS support	Yes
Discover Common Debit AID support	Yes
Diners BINs Supported (Discover Terminals)	Yes
JCB Transactions Supported	No
UnionPay Transaction Supported	No
IC Contact Chip	Yes
Magnetic Stripe	Yes
Manual Key Entry	Yes
Magstripe Contactless Chip	Yes
IC Contactless Chip	Yes
Other	
Offline Data Authentication Supported (on contact interface)	
SDA	Yes
DDA	Yes
CDA	Yes
CDA Mode	Request CDA on ARQC and Request CDA on 2nd GENAC TC
Cardholder Verification Methods Supported (on contact interface)	
Offline Plaintext PIN	Yes
Offline Enciphered PIN	Yes
Online PIN	Yes
Signature	Yes
No CVM	Yes

Cardholder Verification Methods Supported (on contactless interface)	
Online PIN	Yes
Signature	Yes
No CVM	Yes
Consumer Device CVM Supported	Yes
Terminal Action Code (TAC) Values (on contact interface)	
Denial TAC Values	00 10 00 00 00
Online TAC Values	FC E0 9C F8 00
Default TAC Values	DC 00 00 20 00
Fallback to Magnetic Stripe Modes Supported	
Application Not Found	Yes
Chip Read Error	Yes
Blocked Card	No
Blocked Application	No
How many tries are required before fallback is allowed?	1
MPOS Specific Configuration	
MPOS Device type	
PCI PTS certified Pin Entry Device	
PCI Approval number	
PCI PTS Version number (version number should 3.0 at least)	
SRED (Secure read and exchange of data) enabled?	
PCI P2PE ( Point to point encryption) certified?	
Mobile device operating system	
Contact D-PAS Specific Configuration	
Is this an offline or online terminal on the contact interface?	Online authorization only
Terminal floor limit for D-PAS contact chip card transactions	\$0.00
Directory Method (PSE selection)	Yes
Cardholder Confirmation	Yes
Cardholder Selection	Yes
Contactless D-PAS Specific Configuration	
Is this an offline or online terminal on the contactless interface?	Online authorization only
Contactless D-PAS EMV is supported?	Yes
Contactless MS mode (ZIP) AID configured?	Yes
CDA Supported on contactless D-PAS interface	Yes
AVN (Application Version Number) checking is supported?	Yes
Issuer scripting supported?	No
Reader Contactless CVM Limit	\$50.00
Reader Contactless Floor Limit	\$0.00
Reader Contactless Transaction Limit	\$200.00