DISCOVER®
FINANCIAL SERVICES

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

FDCS – Buypass
745_233637_12302016_ChargeAnywhere_Miura_M010_RC
1307 Walt Whitman Rd
Melville, NY 11747
United States
January 17, 2016

This letter confirms that the following D-Payment Application Specification (D-PAS) certification tests were executed successfully against the payment system operated by FDCS – Buypass 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 <u>not performed</u> as part of D-PAS Terminal End-to-End Certification:

Test Case Excluded	Rationale	Waiver
General	Issue: Field 61 Pos 10 should be 'M' for MPOS capability but '0' is sent. Result: Transactions are not qualified as mPOS. Comment: First Data has issued waiver to address this issue.	Waiver : FDC-MC-07012016 Expiry Date: Expired. Good to use as per FDMS.
General	Issue: POS Card Data Terminal Input Capability Indicator Field 61 Pos 11 should be 'H' but 'C' is sent. Result: FDMS is incorrectly mapping the terminal capability indicator to Discover for Hybrid devices. Comment: First Data has issued waiver to address this issue.	Waiver : FDC-DISC-011112017 Expiry Date: 04/30/2017
General	Issue: PIN capability in DE 22 is incorrectly set to 8 by FDMS to Discover even though client is passing the values correctly. Result: FDMS is incorrectly mapping the PIN capability indicator to Discover. Comment: First Data has issued waiver to address this issue.	Waiver : FDC-PINENTRY-01042017 Expiry Date: 04/30/2017
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

Service Information		
Certification Type	Full Certification ☑ Recertification ☐ Expansion ☐	
If Recertification, Reason for Testing	N/A	
Form Factor	Contact ☑ Contactless ☑	
Terminal Manufacturer	Miura Systems	
Terminal Model	Miura M010	
Payment Application Software + Version Number	Quick Sale Payment Application v2.1.0.x	
D-PAS Terminal E2E Qualified Test Tool	Collis Brand Test Tool & SmartLink Box / SmartWave Box	
D-PAS Test Plan	Contact: V1.3 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.

Discover Network Acquirer Terminal End-to-End Certification Request Form

DN v6.9

Instructions: Complete this form for each unique combination of terminal kernel, payment application, and terminal-to-acquirer interface.
*Note: The information submitted on this form will determine the test cases assigned during certification.

Discover Network Acquirer Terminal End-to-End Certification is required when one or combination of the following events occurs:
- New EMV Kernel
- Change/update to an existing EMV kernel
- New payment application
- Change/update to a payment application impacting chip card processing
- Change involving peripheral equipment impacting chip card processing (example: signature pad, pin-pad, reader).

The coloring of the cells indicate when the cells should be filled out:
- **No Color** = to be filled out
- grey = to be left empty
- blue = optional/conditional
- red = wrongly filled out
- green = acceptable value
- orange = unexpected value

Customer Information (to be presented on Letter of Certification)	
Customer Name	FDCS - BUYPASS
Customer Type	Acquirer/Processor
Platform Name (if applicable)	
Merchant 1	
Merchant 2	
VAR/Gateway 1	CHARGE Anywhere LLC
VAR/Gateway 2	
DFS Acquirer/ Merchant ID	
Account ID	
Contact Name	Sumit Mukherjee
Email address of contact person	Sumit.Mukherjee@firstdata.com
Address of contact person	1307 Walt Whitman Rd
City	Melville
Zip Code	11747
Country/Region	United States
State	New York
Telephone number	631-683-6000
Date	May 9, 2016
Certification Scope	
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	
Expansion Type	
Discover Terminal E2E Certification Type	New Certification
Location of Terminal Deployment (1)	United States
Location of Terminal Deployment (2)	
Terminal Type	MPOS
Transaction type supported - Sale	Yes
Transaction type supported - Cash Over	No
Transaction type supported - Cash Advance or Quasi Advance	No
Transaction type supported - Reversal	Yes
Transaction type supported - Pre-Authorization	Yes
Transaction type supported - PIN Management	No
Transaction type supported - Other	
Terminal Manufacturer	Miura Systems
Terminal Manufacturer - Other	
Terminal model	Miura M010
D-PAS Terminal E2E qualified test tool	Collis - Collis Brand Test Tool & SmartLink Box/SmartWave Box
Contact D-PAS Test Plan Release Version	v1.3
Contactless D-PAS Test Plan Release Version	v1.2
Total number of terminals to be deployed	10000
Total number of terminals in market today	25000
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
Contact D-PAS Kernel Functional Approval	
EMVCo Contact L1 approval number	12508 0211 400 21 FIM
EMVCo Contact L1 renewal date	February 22, 2019
EMVCo Contact L2 approval number	2-03419-1-2C-UTS-0216-4.3.d
EMVCo Contact L2 renewal date	February 8, 2019
Payment Application software name + version	Quick Sale Payment Application v2.1.0.x
Contactless D-PAS Kernel Functional Approval	
EMVCo Contactless L1 approval number	10345 0914 231 231a CET
EMVCo Contactless L1 renewal date	August 29, 2018
Terminal product has an approved D-PAS Contactless kernel?	Yes
D-PAS Contactless kernel approval expiration date	May 2, 2019

Terminal Configuration	
Does terminal have a PIN Pad?	Yes
PIN Bypass Allowed?	No
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 A0000003241010 A0000000032010 A0000000031010 A0000000033010 A0000000038010 A0000000041010 A0000000043060 A0000000042203 A0000000250104 A0000000250108 A0000001524010
Card Data Input Supported	
Contact DPAS support	Yes
Contactless DPAS support	Yes
Discover Common Debit AID support	Yes
Diners BINs Supported (Discover Terminals)	No
JCB Transactions 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	FC 50 A8 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	Integrated contactless reader
PCI PTS certified Pin Entry Device	Yes
PCI Approval number	4-30084
PCI PTS Version number (version number should 3.0 at least)	3.x
SRED (Secure read and exchange of data) enabled?	Yes
PCI P2PE (Point to point encryption) certified?	No
Mobile device operating system	Android
Contact D-PAS Specific Configuration	
Is this an offline or online terminal on the contact interface?	Online authorization with offline capability
Terminal floor limit for D-PAS contact chip card transactions	$0.00
Directory Method (PSE selection)	Yes
Cardholder Confirmation	No
Cardholder Selection	Yes
PDOL Supported	Yes
Contactless D-PAS Specific Configuration	
Is this an offline or online terminal on the contactless interface?	Online authorization with offline capability
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
PDOL Supported?	Yes
Issuer scripting supported?	No
Reader Contactless CVM Limit	$50.00
Reader Contactless Floor Limit	$0.00
Reader Contactless Transaction Limit	$10,000.00