



User Acceptance Test (UAT) Canada EMV™ Test Card Set Summary

Version 12.00

December 2021

Powered by **B2»**

To view *Technical* document online,
scan QR Code below.



Disclaimer

Information provided in this document describes capabilities available at the time of developing and delivering this document and the associated test cards and information available from industry sources. This document is intended to be used as a guideline only and B2 Payment Solutions, Inc. and/or its affiliates accept no liability for any errors or omissions in this document and/or for any results of client's reliance thereon.

Copyright

© 2016 by B2 Payment Solutions, Inc. All rights reserved. All information and data contained herein and within the associated test cards is confidential and proprietary to B2 Payment Solutions. Such information shall not be disclosed, duplicated, reverse-engineered or used in part or in whole, for any purpose without prior written consent from B2 Payment Solutions, Inc. other than specific internal, non-commercial, non-assignable use in conjunction with the UAT Canada EMV™ Test Card Set (16 cards) only.

Attribution

EMV™ is a trademark owned by EMVCo LLC.

All trademarked symbols seen below are registered trademarks their respective organizations: American Express Company, Discover Financial Services, Interac Association, Mastercard International Incorporated and Visa Inc.



B2 Contact Information

www.b2ps.com

Canada
251 Consumers Road, Suite 1200, Toronto, ON M2J 4R3
Tel: 416.730.9827

U.S.A.
1615 S. Congress Avenue, Suite 103, Delray Beach, FL 33445
Tel: 470.233.7374

Revision History

| Version | Date | Updated By | Revisions |
|---------|-------------------|------------|--|
| 5.50 | August 25, 2016 | B2PS | Initial document release |
| 5.60 | Sept. 21, 2017 | B2PS | <ul style="list-style-type: none"> TC15: Card v6.0 has 2-byte Kernel ID |
| 6.00 | December 27, 2017 | B2PS | <ul style="list-style-type: none"> TC04 - New version v6.0: Discretionary data updated (CVV) TC07 - 'Approval Amount' updated TC15 - New version v7.0: Increased contactless facility, 'Approval Amount' updated. |
| 6.10 | January 5, 2018 | B2PS | <ul style="list-style-type: none"> TC12, TC13 - EMV Tags for A0000000291010 added |
| 6.20 | April 11, 2018 | B2PS | <ul style="list-style-type: none"> TC11 - Profile table Service code corrected. |
| 7.00 | October 4, 2018 | B2PS | <ul style="list-style-type: none"> All cards - Tags 82, 9F07, 9F69 expanded & interpreted Amex cards (TC12, TC13, TC14) - Expiry date changed to 24/12 Discover cards (TC15, TC16) - Expiry date changed to 23/12 |
| 8.00 | May 30, 2019 | B2PS | <ul style="list-style-type: none"> TC12 - PAN changed - now ends in '41007', AIP contactless changed TC12 & TC13 - Approval amounts changed |
| 8.01 | June 7, 2019 | B2PS | <ul style="list-style-type: none"> Set renamed to "UAT Canada EMV Test Card Set". No change to cards themselves. |
| 9.00 | June 29, 2020 | B2PS | <ul style="list-style-type: none"> TC01, TC05, TC06, TC07, TC10 – updated cardstock support; where applicable, "MasterCard">"Mastercard" |
| 10.00 | November 4, 2020 | B2PS | <ul style="list-style-type: none"> TC10 - updated CVM, AIP TC11 - Correction to documentation (CVM) |
| 11.00 | March 18, 2021 | B2PS | <ul style="list-style-type: none"> Mastercard cards change Expiry Date to 25/12 |
| 11.01 | March 19, 2021 | B2PS | <ul style="list-style-type: none"> Format-only - limit awkward page-breaks |
| 11.10 | November 30, 2021 | B2PS | <ul style="list-style-type: none"> TC05, TC06 - Documentation correction only. EMV Tag 5F20 has been corrected. |
| 12.00 | December 16, 2021 | B2PS | <ul style="list-style-type: none"> TC01-TC04 - Visa cards change Expiry Date to 24/12 TC10, TC11 – now DI with new BIN range |

Table of Contents

| | |
|---|-----------|
| Chapter 1. UAT Canada EMV Test Card Set Profiles | 2 |
| 1.1 Test Card 01 – Visa, DI, Credit, English, Canada, CAD | 6 |
| 1.1.1 CVM List - AID A0000000031010, Visa (EMV)..... | 6 |
| 1.1.2 NO CVM List - AID A0000000031010, Visa (qVSDC, Online) | 6 |
| 1.1.3 NO CVM List - AID A0000000031010, Visa (qVSDC, Offline)..... | 6 |
| 1.2 Test Card 02 – Visa, Credit, English, USA, USD | 6 |
| 1.2.1 CVM List - AID A0000000031010, Visa (EMV)..... | 6 |
| 1.3 Test Card 03– Visa, No CVM, English, USA, USD | 6 |
| 1.3.1 CVM List - AID A0000000031010, Visa (EMV)..... | 6 |
| 1.4 Test Card 04 – Visa, Technical Fallback Card | 7 |
| 1.5 Test Card 05 – Mastercard, DI, Credit, English, Canada, CAD | 7 |
| 1.5.1 CVM List - AID A0000000041010, Mastercard (EMV)..... | 7 |
| 1.5.2 CVM List - AID A0000000041010, Mastercard (PayPass, MChip)..... | 7 |
| 1.6 Test Card 06 – Mastercard, DI, Credit, French, Canada, CAD | 8 |
| 1.6.1 CVM List - AID A0000000041010, Mastercard (PayPass MChip)..... | 8 |
| 1.7 Test Card 07 – Mastercard, ARPC Failure, Credit, English, USA, USD | 8 |
| 1.7.1 CVM List - AID A0000000041010, Mastercard (EMV)..... | 8 |
| 1.8 Test Card 08 – Mastercard, Technical Fallback Card | 8 |
| 1.9 Test Card 09 – Mastercard, ECL - MSR Fallback Card | 9 |
| 1.10 Test Card 10 – Interac, Debit, English, Canada, CAD | 9 |
| 1.10.1 CVM List - AID A0000002771010 (EMV)..... | 9 |
| 1.10.2 NO CVM List - AID A0000002771010, Interac (Flash) | 9 |
| 1.11 Test Card 11 – Interac, Debit, French, Canada, CAD | 9 |
| 1.11.1 CVM List - AID A0000002771010 (EMV)..... | 9 |
| 1.11.2 NO CVM List - AID A0000002771010, Interac (Flash)) | 9 |
| 1.12 Test Card 12 – American Express, DI, Credit, English, Canada, CAD | 10 |
| 1.12.1 CVM List - AID A000000025010402 (EMV)..... | 10 |
| 1.12.2 CVM List - AID A000000025010402 (ExpressPay EMV) | 10 |
| 1.12.3 CVM List - AID A0000000291010 (EMV)..... | 10 |
| 1.13 Test Card 13 – American Express, DI, Credit, English, Canada, CAD | 10 |
| 1.13.1 CVM List - AID A000000025010402 (EMV)..... | 10 |
| 1.13.2 CVM List - AID A000000025010402 (ExpressPay EMV) | 11 |
| 1.13.3 CVM List - AID A0000000291010 (EMV)..... | 11 |
| 1.14 Test Card 14 – American Express, Technical Fallback Card | 11 |
| 1.15 Test Card 15 – Discover, DI, Credit, English, USA, USD | 12 |
| 1.15.1 CVM List - AID A0000001523010 (EMV)..... | 12 |
| 1.15.2 CVM List - AID A0000001523010 (DPAS-EMV) | 12 |
| 1.16 Test Card 16 – Discover, Technical Fallback Card | 12 |

| |
|--|
| <p>CAUTION</p> <p>Multiple consecutive incorrect PIN entry attempts may result in the card being blocked. This is known as being 'PIN Blocked'. If this occurs, it will no longer be possible to enter an Offline PIN, which will cause all future transactions to be declined.</p> <p>*** It is not possible to unblock a 'PIN Blocked' card ***</p> |
| <p>NOTICE</p> <p>Interac Flash card has a '001202' BIN range. These cards are supported by all Canadian processors but are not yet supported by all U.S. and international processors.</p> <p>*** Check with your acquirer account representative to determine if the Interac Flash BIN range is supported by their development host. If your processor does not yet support Interac Flash, the card will function properly at the POS but it will not obtain a host approval. ***</p> |
| <p>RECOMMENDATION</p> <p>For those that are relatively new to EMV and seek assistance in understanding 'the basics'... Consider B2's online courses – eLearning and Virtual Training. Learn from the comfort and convenience of your office (or home-office), at your own pace.</p> <p>Visit: b2ps.com/b2-university</p> |

Chapter 1. UAT Canada EMV Test Card Set Profiles

This User Acceptance Test (UAT) Canada EMV Test Card Set contains 16 cards with at least one card from each of the following card brands.



| | Test Card 01 | Test Card 02 | Test Card 03 |
|---|--|---|--|
| Brand | Visa | Visa | Visa |
| Type | Credit | Credit | Credit |
| Description | Offline Capable | USA Signature | No CVM |
| AID | A0000000031010 | A0000000031010 | A0000000031010 |
| PAN | 4761*****0043 | 4761*****0011 | 4761*****0243 |
| Expiry Date | 12/2024 | 12/2024 | 12/2024 |
| Service Code | 201 | 201 | 201 |
| Interface | Contact, Contactless, MSR | Contact, MSR | Contact, MSR |
| CVM (Contact) Default Condition: Terminal Supports CVM | Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition | Online PIN (ATM) Online PIN (MCash) Signature No CVM required See card definition | No CVM required See card definition |
| Approval Amount | \$10.00 | \$10.00 | \$10.00 |
| Issuer Country Code | 124 - Canada | 840 - USA | 840 - USA |
| Application Currency Code | 124 - CAD | 840 - USD | 840 - USD |
| Language | 'en' – English | 'en' – English | 'en' – English |
| Card Version | v7.x | v6.x | v6.x |

| | Test Card 04 | Test Card 05 | Test Card 06 |
|---|--|---|--|
| Brand | Visa | Mastercard | Mastercard |
| Type | Credit | Credit | Credit |
| Description | Fallback | Credit | MasterCard |
| AID | - | A0000000041010 | A0000000041010 |
| PAN | 4761*****0267 | 5413*****4111 | 5413*****4111 |
| Expiry Date | 12/2024 | 12/2025 | 12/2025 |
| Service Code | 201 | 201 | 201 |
| Interface | MSR | Contact, Contactless, MSR | Contact, Contactless, MSR |
| CVM (Contact) Default Condition: <i>Terminal Supports CVM</i> | N/A See card definition | Online PIN (ATM) Signature No CVM required See card definition | Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Signature No CVM required See card definition |
| Approval Amount | \$10.00 | \$20.00 | \$20.00 |
| Issuer Country Code | - | 124 - Canada | 124 - Canada |
| Application Currency Code | - | 124 - CAD | 124 - CAD |
| Language | - | 'en' – English | 'fr' – French |
| Card Version | v7.x | v7.x | v7.x |

| | Test Card 07 | Test Card 08 | Test Card 09 |
|---|---|--|--|
| Brand | Mastercard | Mastercard | Mastercard |
| Type | Credit | Credit | Credit |
| Description | ARPC Failure | Fallback | Empty Candidate List |
| AID | A0000000041010 | - | - |
| PAN | 5413*****0011 | 5413*****0029 | 5413*****0011 |
| Expiry Date | 12/2025 | 12/2025 | 12/2025 |
| Service Code | 201 | 201 | 601 |
| Interface | Contact, MSR | MSR | MSR |
| CVM (Contact) Default Condition: <i>Terminal Supports CVM</i> | Signature No CVM required See card definition | N/A See card definition | N/A See card definition |
| Approval Amount | \$120.00 | \$20.00 | \$20.00 |
| Issuer Country Code | 840 - USA | - | - |
| Application Currency Code | 840 - USD | - | - |
| Language | 'en' – English | - | - |
| Card Version | v7.x | v6.x | v6.x |

| | Test Card 10 | Test Card 11 | Test Card 12 |
|---|--|--|---|
| Brand | Interac | Interac | American Express |
| Type | Debit | Debit | Credit |
| Description | Canadian Debit | Canadian Debit | Online Only |
| AID | A0000002771010 | A0000002771010 | A00000025010402, A000000291010 |
| PAN | 0012*****0001 | 0012*****0001 | 3742*****1007 |
| Expiry Date | 12/2028 | 12/2028 | 12/2024 |
| Service Code | 220 | 220 | 201 |
| Interface | Contact, Contactless, MSR | Contact, Contactless, MSR | Contact, Contactless, MSR |
| CVM (Contact) Default Condition: <i>Terminal Supports CVM</i> | Offline Enciphered PIN Offline Plaintext PIN Online PIN See card definition | Offline Enciphered PIN Offline Plaintext PIN Online PIN See card definition | Online PIN (ATM) Online PIN Signature No CVM required See card definition |
| Approval Amount | \$10.00 | \$10.00 | \$30.00 |
| Issuer Country Code | 124 - Canada | 124 - Canada | 124 - Canada |
| Application Currency Code | 124 - CAD | 124 - CAD | 124 - CAD |
| Language | 'en' – English | 'fr' – French | 'en' – English |
| Card Version | v9.x | v6.x | v7.x |

| | Test Card 13 | Test Card 14 | Test Card 15 |
|---|--|--|---|
| Brand | American Express | American Express | Discover |
| Type | Credit | Credit | Credit |
| Description | Amex Credit | Fallback | Discover Credit |
| AID | A00000025010402, A000000291010 | - | A0000001523010 |
| PAN | 3742*****1003 | 3742*****1006 | 6510*****0216 |
| Expiry Date | 12/2024 | 12/2024 | 12/2023 |
| Service Code | 201 | 201 | 201 |
| Interface | Contact, Contactless, MSR | MSR | Contact, Contactless, MSR |
| CVM (Contact) Default Condition: <i>Terminal Supports CVM</i> | Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition | N/A See card definition | Online PIN (ATM) Offline Plaintext PIN No CVM required See card definition |
| Approval Amount | \$39.00 or \$43.00 | \$36.00 | \$79.00 |
| Issuer Country Code | 124 - Canada | - | 840 - USA |
| Application Currency Code | 124 - CAD | - | 840 - USD |
| Language | 'en' – English | - | 'en' – English |
| Card Version | v6.x | v6.x | v8.x |

| | Test Card 16 |
|---|--|
| Brand | Discover |
| Type | Credit |
| Description | Fallback |
| AID | - |
| PAN | 6510*****0331 |
| Expiry Date | 12/2023 |
| Service Code | 201 |
| Interface | MSR |
| CVM (Contact) Default Condition: <i>Terminal Supports CVM</i> | N/A See card definition |
| Approval Amount | \$26.00 |
| Issuer Country Code | - |
| Application Currency Code | - |
| Language | - |
| Card Version | v6.x |

1.1 Test Card 01 – Visa, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) Visa card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$10.00.

1.1.1 CVM List - AID A000000031010, Visa (EMV)

| Cardholder Verification Method List ('4201 4103 5E03 1F03') | | | |
|---|-----------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Always | Fail |

1.1.2 NO CVM List - AID A000000031010, Visa (qVSDC, Online)

1.1.3 NO CVM List - AID A000000031010, Visa (qVSDC, Offline)

1.2 Test Card 02 – Visa, Credit, English, USA, USD

A Visa credit card with two AIDs, Issuer Country Code of 'USA' and Currency Code of 'USD'.

The recommended transaction amount to generate a host approval is \$10.00.

1.2.1 CVM List - AID A000000031010, Visa (EMV)

| Cardholder Verification Method List ('4201 4204 5E03 1F00') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Online PIN | Manual Cash | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Always | Fail |

1.3 Test Card 03– Visa, No CVM, English, USA, USD

A Visa card with no CVM, Issuer Country Code of 'USA' and Currency Code of 'USD'.

The recommended transaction amount to generate a host approval is \$10.00.

1.3.1 CVM List - AID A000000031010, Visa (EMV)

| Cardholder Verification Method List ('1F00') | | | |
|--|---------------------|------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | No CVM required | Always | Fail |

1.4 Test Card 04 – Visa, Technical Fallback Card

This card has a chip image printed on it but does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical Fallback transaction.

The recommended transaction amount to generate a host approval is \$10.00.

Note: The test host may Approve / Decline based on its configuration with respect to CVV processing.

1.5 Test Card 05 – Mastercard, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) Mastercard credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$20.00.

1.5.1 CVM List - AID A000000041010, Mastercard (EMV)

| Cardholder Verification Method List ('4201 5E03 1F03') | | | |
|--|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 3 | No CVM required | Terminal supports CVM type | Fail |

1.5.2 CVM List - AID A000000041010, Mastercard (PayPass, MChip)

| Cardholder Verification Method List ('5E03 1F03') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 2 | No CVM required | Terminal supports CVM type | Fail |

1.6 Test Card 06 – Mastercard, DI, Credit, French, Canada, CAD

A Dual Interface (Contact / Contactless) Mastercard credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$20.00.

1.6.1 CVM List - AID A000000041010, Mastercard (PayPass MChip)

| Cardholder Verification Method List ('4201 4403 4103 5E03 1F03') | | | |
|--|------------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Offline Enciphered PIN | Terminal supports CVM type | Next CVM |
| 3 | Offline Plaintext PIN | Terminal supports CVM type | Next CVM |
| 4 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 5 | No CVM required | Terminal supports CVM type | Fail |

1.7 Test Card 07 – Mastercard, ARPC Failure, Credit, English, USA, USD

A Mastercard credit card that fails Authorization Response Cryptogram (ARPC) validation, and has Issuer Country Code of 'USA' and Currency Code of 'USD'.

The recommended transaction amount to generate a host approval is \$120.00.

Note: If the host approves the transaction, the card will decline the transaction at the 2nd Generate AC.

1.7.1 CVM List - AID A000000041010, Mastercard (EMV)

| Cardholder Verification Method List ('5E03 1F00') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 2 | No CVM required | Terminal supports CVM type | Fail |

1.8 Test Card 08 – Mastercard, Technical Fallback Card

This card has a chip image printed on it but does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical Fallback transaction.

The recommended transaction amount to generate a host approval is \$20.00.

1.9 Test Card 09 – Mastercard, ECL - MSR Fallback Card

This card has an un-programmed chip. When inserted, an Empty Candidate List will result and the POS should invoke fallback processing.

The recommended transaction amount to generate a host approval is \$20.00.

1.10 Test Card 10 – Interac, Debit, English, Canada, CAD

An Interac Canadian debit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$10.00.

1.10.1 CVM List - AID A0000002771010 (EMV)

| Cardholder Verification Method List ('0403 0103 0203') | | | |
|--|------------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Offline Enciphered PIN | Terminal supports CVM type | Fail |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Fail |
| 3 | Online PIN | Terminal supports CVM type | Fail |

1.10.2 NO CVM List - AID A0000002771010, Interac (Flash)

1.11 Test Card 11 – Interac, Debit, French, Canada, CAD

An Interac Canadian debit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$10.00.

1.11.1 CVM List - AID A0000002771010 (EMV)

| Cardholder Verification Method List ('0403 0103 0203') | | | |
|--|------------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Offline Enciphered PIN | Terminal supports CVM type | Fail |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Fail |
| 3 | Online PIN | Terminal supports CVM type | Fail |

1.11.2 NO CVM List - AID A0000002771010, Interac (Flash))

1.12 Test Card 12 – American Express, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) American Express credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$30.00.

1.12.1 CVM List - AID A00000025010402 (EMV)

| Cardholder Verification Method List ('4201 4203 5E03 5F03') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Online PIN | Terminal supports CVM type | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Terminal supports CVM type | Next CVM |

1.12.2 CVM List - AID A00000025010402 (ExpressPay EMV)

| Cardholder Verification Method List ('4201 5E03 1F02') | | | |
|--|---------------------|--|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 3 | No CVM required | Not Unattended Cash, Manual Cash or Cashback | Fail |

1.12.3 CVM List - AID A000000291010 (EMV)

| Cardholder Verification Method List ('4201 4203 5E03 5F03') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Online PIN | Terminal supports CVM type | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Terminal supports CVM type | Next CVM |

1.13 Test Card 13 – American Express, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) American Express credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is \$39.00 or \$43.00.

1.13.1 CVM List - AID A00000025010402 (EMV)

| Cardholder Verification Method List ('4201 4103 5E03 5F03') | | | |
|---|-----------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Terminal supports CVM type | Next CVM |

1.13.2 CVM List - AID A00000025010402 (ExpressPay EMV)

| Cardholder Verification Method List ('4201 5E03 1F02') | | | |
|--|---------------------|--|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 3 | No CVM required | Not Unattended Cash, Manual Cash or Cashback | Fail |

1.13.3 CVM List - AID A000000291010 (EMV)

| Cardholder Verification Method List ('4201 4203 5E03 5F03') | | | |
|---|---------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Online PIN | Terminal supports CVM type | Next CVM |
| 3 | Signature (paper) | Terminal supports CVM type | Next CVM |
| 4 | No CVM required | Terminal supports CVM type | Next CVM |

1.14 Test Card 14 – American Express, Technical Fallback Card

This card has a chip image printed on it but does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical Fallback transaction.

The recommended transaction amount to generate a host approval is \$36.00.

1.15 Test Card 15 – Discover, DI, Credit, English, USA, USD

A Dual Interface (Contact / Contactless) Discover credit card with Issuer Country Code of 'USA' and Currency Code of 'USD'.

The recommended transaction amount to generate a host approval is \$79.00.

1.15.1 CVM List - AID A0000001523010 (EMV)

| Cardholder Verification Method List ('4201 4103 1F03') | | | |
|--|-----------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Next CVM |
| 3 | No CVM required | Terminal supports CVM type | Fail |

1.15.2 CVM List - AID A0000001523010 (DPAS-EMV)

| Cardholder Verification Method List ('4201 4103 1F03') | | | |
|--|-----------------------|----------------------------|-----------------|
| CVM | Verification Method | Conditions | If unsuccessful |
| 1 | Online PIN | Unattended Cash | Next CVM |
| 2 | Offline Plaintext PIN | Terminal supports CVM type | Next CVM |
| 3 | No CVM required | Terminal supports CVM type | Fail |

1.16 Test Card 16 – Discover, Technical Fallback Card

This card has a chip image printed on it but does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical transaction.

The recommended transaction amount to generate a host approval is \$26.00.