



**USA Debit  
EMV™ Test Card Set  
Summary**

**Version 4.01**

**June 2019**

**Powered by B2»**

## **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**

© 2017 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 USA Debit EMV™ Test Card Set (16 cards) only.

## **Attributions**

EMV™ is a trademark owned by EMVCo LLC.

All trademarks, services marks, trade names and symbols seen below and referenced in this document are registered trademarks and property of their respective owner(s):

Discover Financial Services, Interac Association, Debit Network Alliance LLC, Mastercard International Incorporated and Visa Inc.



## **B2 Contact Information**

251 Consumers Road, Suite 1200, Toronto, ON M2J 4R3  
555 Northpoint Center, Suite 400, Alpharetta, GA 30022  
Tel: 416.730.9827 [www.b2ps.com](http://www.b2ps.com)

## Revision History

Version	Date	Revisions
1.00	December 09, 2017	<ul style="list-style-type: none"><li>• Initial document release</li></ul>
1.10	December 14, 2017	<ul style="list-style-type: none"><li>• Recommended transaction \$value updated for cards 13, 15, 16</li></ul>
1.11	April 20, 2018	<ul style="list-style-type: none"><li>• Masked PANs in Profile Table</li></ul>
2.00	August 20, 2018	<ul style="list-style-type: none"><li>• TC01, TC02 - card versions corrected in profile table.</li><li>• TC03 v5.0 - updated Tag 57 (doesn't show in this summary document but noted here since card version has changed)</li></ul>
3.00	September 27, 2018	<ul style="list-style-type: none"><li>• Discover cards (TC12, TC13) - Expiry date changed to 23/12</li><li>• DNA Card (TC14) - Expiry date changed to 25/12</li></ul>
3.10	December 13, 2018	<ul style="list-style-type: none"><li>• TC03 documentation updated to reflect Dual-Funding</li></ul>
4.00	March 11, 2019	<ul style="list-style-type: none"><li>• TC03 updated to v6.0 - Discretionary data modified</li></ul>
4.01	June 7, 2019	<ul style="list-style-type: none"><li>• Card set on which tests are based renamed to "USA Debit EMV Test Card Set". No change to cards themselves.</li></ul>

## Table of Contents

<b>Chapter 1 - USA Debit EMV Test Card Set Profiles .....</b>	<b>3</b>
<b>1.1 Test Card 01 - Visa, DI, 2-AID (Visa Debit+US Debit), English, USA, USD.....</b>	<b>7</b>
1.1.1 Contact: CVM List - Visa Debit, AID A0000000031010.....	7
1.1.2 Contact: CVM List - U.S. Debit, AID A0000000980840.....	7
<b>1.2 Test Card 02 - Visa, CO, 1-AID (US Debit), English, USA, USD .....</b>	<b>7</b>
1.2.1 Contact: CVM List - US Debit, AID - A0000000980840.....	7
<b>1.3 Test Card 03 - Visa, CO, 3-AID (Credit+Debit+US Common, 2-Funding), English, USA, USD .....</b>	<b>8</b>
1.3.1 Contact: CVM List - Visa Credit, AID - A000000003101001 .....	8
1.3.2 Contact: CVM List - Visa Debit, AID A000000003101002.....	8
1.3.3 Contact: CVM List - U.S. Common Debit, AID A0000000980840.....	8
<b>1.4 Test Card 04 - Visa, CO, 1-AID (Interlink), English, USA, USD .....</b>	<b>9</b>
1.4.1 Contact: CVM List - Visa Interlink, AID A0000000033010.....	9
<b>1.5 Test Card 05 - Mastercard, DI, 2-AID (Mastercard Debit+US Debit), English, USA, USD .....</b>	<b>9</b>
1.5.1 Contact: CVM List - Mastercard debit, AID A0000000041010 .....	9
1.5.2 Contact: CVM List - U.S. Maestro, AID A0000000042203 .....	9
1.5.3 Contactless: CVM List - Mastercard debit, AID A0000000041010.....	9
1.5.4 Contactless: CVM List - U.S. Maestro, AID A0000000042203.....	10
<b>1.6 Test Card 06 - Mastercard, CO, 1-AID (Maestro 2-Funding), English, NLD, EUR.....</b>	<b>10</b>
1.6.1 Contact: CVM List - Maestro Debit, AID A0000000043060D0561111 .....	10
1.6.2 Contact: CVM List - Maestro Debit, AID A0000000043060D0562222 .....	10
<b>1.7 Test Card 07 - Mastercard Int'l, CO, 2-AID (Credit+Debit), English, GBR, GBP .....</b>	<b>11</b>
1.7.1 Contact: CVM List - Mastercard credit, AID A0000000041010 .....	11
1.7.2 Contact: CVM List - Maestro debit, AID A0000000043060 .....	11
<b>1.8 Test Card 08 - U.S. Maestro, CO, 1-AID (2-Funding), English, USA, USD.....</b>	<b>12</b>
1.8.1 Contact: CVM List - Mastercard U.S. Checking, AID A0000000042203D0561111 .	12
1.8.2 Contact: CVM List - Mastercard U.S. Savings, AID A0000000042203D0562222 ...	12
<b>1.9 Test Card 09 - Mastercard, CO, 3-AID (Credit+Maestrox2), English, USA, USD .....</b>	<b>13</b>
1.9.1 Contact: CVM List - Mastercard credit, AID A0000000041010 .....	13
1.9.2 Contact: CVM List - Maestro debit, AID A0000000043060 .....	13
1.9.3 Contact: CVM List - U.S. Maestro, AID A0000000042203 .....	13
<b>1.10 Test Card 10 - Mastercard CO, Contact, 1-AID(US Maestro), English, USA, USD.....</b>	<b>13</b>
1.10.1 Contact: CVM List - U.S. Maestro, AID A0000000043060 .....	13
<b>1.11 Test Card 11 - Mastercard, CO, 4-AID (MC+USM/Maestro+USM), English, USA, USD</b>	<b>14</b>
1.11.1 Contact: CVM List - Mastercard debit, AID A0000000041010 .....	14
1.11.2 Contact: CVM List - U.S. checking, AID A000000004220301 .....	14
1.11.3 Contact: CVM List - Maestro debit, AID A0000000043060 .....	14
1.11.4 Contact: CVM List - U.S. Savings debit, AID A000000004220302.....	14
<b>1.12 Test Card 12 - Discover, DI, 2-AID (U.S. Debit, Discover), English/Spanish/French, USA, USD.....</b>	<b>15</b>
1.12.1 Contact: CVM List - Discover U.S. Debit, AID A0000001524010.....	15
1.12.2 Contact: CVM List - Discover Debit, AID A0000001523010.....	15
1.12.3 Contactless: CVM List - Discover U.S. Debit, AID A0000001524010 .....	15
<b>1.13 Test Card 13 - Discover, CO, 1-AID (U.S. Debit), English, USA, USD.....</b>	<b>15</b>
1.13.1 Contact: CVM List - Discover U.S. Debit, AID A0000001524010.....	15

<b>1.14</b>	<b>Test Card 14 - DNA, CO, 1 AID (DNA), English, USA, USD .....</b>	<b>16</b>
1.14.1	Contact: CVM List - DNA, AID A0000006200620.....	16
<b>1.15</b>	<b>Test Card 15 - Interac, DI, 1-AID (Interac), English, CAN, CAD.....</b>	<b>16</b>
1.15.1	Contact: CVM List - Interac, AID A0000002771010 .....	16
1.15.2	Contactless: CVM List - Interac Flash, AID A0000002771010 .....	16
<b>1.16</b>	<b>Test Card 16 - Interac, CO, 1-AID (Interac), English, CAN, CAD .....</b>	<b>17</b>
1.16.1	Contact: CVM List - Interac, AID A0000002771010 .....	17

## Chapter 1 - USA Debit EMV Test Card Set Profiles

### CAUTION

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.

**\*\*\* It is not possible to unblock a 'PIN Blocked' card \*\*\***

### NOTICE

Interac Flash cards have a '1xxxx' BIN range. These cards are supported by all Canadian processors but are not yet supported by all U.S. and international processors.

**\*\*\* 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. \*\*\***

This 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
<b>Brand</b>	Visa	Visa	Visa
<b>Description (Card - Types)</b>	Global / U.S. Common	U.S. Common	Credit / Debit / U.S. Common. Dual-Funding
<b>AID list</b>	A0000000031010 A0000000980840	A0000000980840	A000000003101001 A000000003101002 A0000000980840
<b>PAN on plastic</b>	476173 ***** 0135	476173 ***** 0135	476173 ***** 0176
<b>Expiry Date</b>	12/2022	12/2022	12/2022
<b>Service Code</b>	201	201	201
<b>Interface</b>	Contact, Contactless, MSR	Contact, MSR	Contact, MSR
<b>CVM</b>	<a href="#">See card definition</a>	<a href="#">See card definition</a>	<a href="#">See card definition</a>
<b>Approval Amount</b>	\$10.00	\$10.00	\$10.00
<b>Issuer Country Code</b>	840 - USA	840 - USA	840 - USA
<b>Application Currency Code</b>	840 - USD	840 - USD	840 - USD
<b>Language</b>	'en' - English	'en' - English	'en' - English
<b>Card Version</b>	v4.0	v4.0	v6.0

	Test Card 04	Test Card 05	Test Card 06
Brand	Visa	Mastercard	Mastercard
Description (Card + types)	Interlink	Global / Common	Maestro Dual-Funding
AID list	A0000000033010	A0000000041010 A0000000042203	A0000000043060 D0561111 A0000000043060 D05621222
PAN on plastic	476173 ***** 0671	541333 ***** 9130	541333 ***** 2010
Expiry Date	12/2022	12/2022	12/2022
Service Code	201	201	220
Interface	Contact, MSR	Contact, Contactless, MSR	Contact, MSR
CVM	<a href="#">See card definition</a>	<a href="#">See card definition</a>	<a href="#">See card definition</a>
Approval Amount	\$10.00	\$20.00	\$20.00
Issuer Country Code	840 - USA	840 - USA	840 - USA
Application Currency Code	840 - USD	840 - USD	840 - USD
Language	'en' - English	'en' - English	'en' - English
Card Version	v4.0	v4.0	v4.0

	Test Card 07	Test Card 08	Test Card 09
Brand	Mastercard	Mastercard	Mastercard
Description	Credit / Int'l	U.S. Maestro - Dual-Funding	Credit / Global / U.S. Common
AID list	A0000000041010 A00000000043060	A0000000042203 D0561111 A0000000042203 D0562222	A0000000041010 A0000000043060 A0000000042203
PAN on plastic	541333 ***** 0060	541333 ***** 9007	541333 ***** 0060
Expiry Date	12/2022	12/2022	12/2022
Service Code	201	220	201
Interface	Contact, MSR	Contact, MSR	Contact, MSR
CVM	<a href="#">See card definition</a>	<a href="#">See card definition</a>	<a href="#">See card definition</a>
Approval Amount	\$20.00	\$20.00	\$20.00
Issuer Country Code	826 - GBR	840 - USA	840 - USA
Application Currency Code	826 - GBP	840 - USD	840 - USD
Language	'en' - English	'en' - English	'en' - English
Card Version	v4.0	v4.0	v4.0

	Test Card 10	Test Card 11	Test Card 12
Brand	Mastercard	Mastercard	Discover
Description	U.S. Maestro	MC+U.S. Maestro / Maestro+U.S. Maestro	Discover U.S. Debit / Discover
AID list	A0000000042203	A0000000041010 A000000004220301 A0000000043060 A000000004220302	A0000001524010 A0000001523010
PAN on plastic	541333 ***** 9130	541333 ***** 0060	601197 ***** 0005
Expiry Date	12/2022	12/2022	12/2023
Service Code	201	201	201
Interface	Contact, MSR	Contact, MSR	Contactless, Contact, MSR
CVM	<a href="#">See card definition</a>	<a href="#">See card definition</a>	<a href="#">See card definition</a>
Approval Amount	\$20.00	\$20.00	\$79.00
Issuer Country Code	840 - USA	840 - USA	840 - USA
Application Currency Code	840 - USD	840 - USD	840 - USD
Language	'en' - English	'en' - English	'enesfr' (English, Spanish, French)
Card Version	v4.0	v4.0	v5.0

	Test Card 13	Test Card 14	Test Card 15
Brand	Discover	DNA	Interac
Description	Single AID	Debit Network Alliance	Canadian Debit
AID list	A0000001524010	A0000006200620	A0000002771010
PAN on plastic	601197 ***** 0005	400000 ***** 0028	196730 ***** 8644
Expiry Date	12/2023	12/2025	12/2022
Service Code	201	201	220
Interface	Contact, MSR	Contact, MSR	Contactless, Contact, MSR
CVM	<a href="#">See card definition</a>	<a href="#">See card definition</a>	<a href="#">See card definition</a>
Approval Amount	\$79.00	\$10.00	\$30.00
Issuer Country Code	840 - USA	840 - USA	124 - CAN
Application Currency Code	840 - USD	840 - USD	124 -CAD
Language	'en' - English	'en' - English	'en' - English
Card Version	v5.0	v5.0	v4.0



---

	Test Card 16
Brand	Interac
Description	Canadian Debit
AID list	A0000002771010
PAN on plastic	450644 ***** 1933
Expiry Date	12/2022
Service Code	220
Interface	Contact, MSR
CVM	<a href="#">See card definition</a>
Approval Amount	\$30.00
Issuer Country Code	124 - CAN
Application Currency Code	124 - CAD
Language	'en' - English
Card Version	v4.0

## 1.1 Test Card 01 - Visa, DI, 2-AID (Visa Debit+US Debit), English, USA, USD

A Dual Interface (Contact+Contactless) 2-AID Visa debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.1.1 Contact: CVM List - Visa Debit, AID A000000031010

Cardholder Verification Method List ('0201 4204 1E04 0205 5E00 4200 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Manual Cash	Next CVM
3	Signature (paper)	Manual Cash	Fail
4	Online PIN	Purchase with Cashback	Fail
5	Signature (paper)	Always	Next CVM
6	Online PIN	Always	Next CVM
7	No CVM required	Always	Fail
8	Fail CVM Processing	Always	Fail

### 1.1.2 Contact: CVM List - U.S. Debit, AID A0000000980840

Cardholder Verification Method List ('0201 0205 4200 1F00 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Purchase with Cashback	Fail
3	Online PIN	Always	Next CVM
4	No CVM required	Always	Fail
5	Fail CVM Processing	Always	Fail

## 1.2 Test Card 02 - Visa, CO, 1-AID (US Debit), English, USA, USD

A contact-only, single-AID Visa debit card with an 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 Contact: CVM List - US Debit, AID - A0000000980840

Cardholder Verification Method List ('0201 0004 0205 4200 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Fail CVM Processing	Manual Cash	Fail
3	Online PIN	Purchase with Cashback	Fail
4	Online PIN	Always	Next CVM
5	No CVM required	Always	Fail

### 1.3 Test Card 03 - Visa, CO, 3-AID (Credit+Debit+US Common, 2-Funding), English, USA, USD

A contact-only, 3-AID combination Visa credit & debit card with 2 funding accounts which has an 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 Contact: CVM List - Visa Credit, AID - A000000003101001

Cardholder Verification Method List ('0201 4204 1E04 0005 5E00 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Manual Cash	Next CVM
3	Signature (paper)	Manual Cash	Fail
4	Fail CVM Processing	Purchase with Cashback	Fail
5	Signature (paper)	Always	Next CVM
6	No CVM required	Always	Fail
7	Fail CVM Processing	Always	Fail

#### 1.3.2 Contact: CVM List - Visa Debit, AID A000000003101002

Cardholder Verification Method List ('0201 4204 1E04 0005 5E00 1F00 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Manual Cash	Next CVM
3	Signature (paper)	Manual Cash	Fail
4	Fail CVM Processing	Purchase with Cashback	Fail
5	Signature (paper)	Always	Next CVM
6	No CVM required	Always	Fail
7	Fail CVM Processing	Always	Fail

#### 1.3.3 Contact: CVM List - U.S. Common Debit, AID A00000000980840

Cardholder Verification Method List ('0201 0004 0205 4200 1F00 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Fail CVM Processing	Manual Cash	Fail
3	Online PIN	Purchase with Cashback	Fail
4	Online PIN	Always	Next CVM
5	No CVM required	Always	Fail

#### 1.4 Test Card 04 - Visa, CO, 1-AID (Interlink), English, USA, USD

A contact-only, single-AID Visa Interlink debit card with an issuer Country Code of 'USA' and Currency Code of 'USD'.

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

##### 1.4.1 Contact: CVM List - Visa Interlink, AID A0000000033010

Cardholder Verification Method List ('0203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM Type	Fail
2	No CVM required	Terminal supports CVM Type	Fail

#### 1.5 Test Card 05 - Mastercard, DI, 2-AID (Mastercard Debit+US Debit), English, USA, USD

A Dual Interface (Contact+Contactless), 2-AID Mastercard debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

##### 1.5.1 Contact: CVM List - Mastercard debit, AID A0000000041010

Cardholder Verification Method List ('4201 0205 5E03 4203 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Next CVM
2	Online PIN	Purchase with Cashback	Fail
3	Signature (paper)	Terminal supports CVM type	Next CVM
4	Online PIN	Terminal supports CVM type	Next CVM
5	No CVM required	Always	Fail

##### 1.5.2 Contact: CVM List - U.S. Maestro, AID A0000000042203

Cardholder Verification Method List ('4205 4203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail
4	Fail CVM Processing	Always	Fail

##### 1.5.3 Contactless: CVM List - Mastercard debit, AID A0000000041010

Cardholder Verification Method List ('0205 5E03 0203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Next CVM
2	Signature (paper)	Terminal supports CVM type	Next CVM
3	Online PIN	Terminal supports CVM type	Fail
4	No CVM required	Terminal supports CVM type	Fail

5	Fail CVM Processing	Always	Fail
---	---------------------	--------	------

#### 1.5.4 Contactless: CVM List - U.S. Maestro, AID A0000000042203

Cardholder Verification Method List ('0205 4203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail
4	Fail CVM Processing	Always	Fail

#### 1.6 Test Card 06 - Mastercard, CO, 1-AID (Maestro 2-Funding), English, NLD, EUR

A contact-only, single-AID Maestro debit card with 2 funding accounts with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

##### 1.6.1 Contact: CVM List - Maestro Debit, AID A0000000043060D0561111

Cardholder Verification Method List ('4103 0203 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Fail
3	Fail CVM Processing	Always	Fail

##### 1.6.2 Contact: CVM List - Maestro Debit, AID A0000000043060D0562222

Cardholder Verification Method List ('4103 0203 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Fail
3	Fail CVM Processing	Always	Fail

## 1.7 Test Card 07 - Mastercard Int'l, CO, 2-AID (Credit+Debit), English, GBR, GBP

A contact-only, 2-AID International Mastercard combination credit & debit card with an Issuer Country Code of 'GBR' and Currency Code of 'GBP'.

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

### 1.7.1 Contact: CVM List - Mastercard credit, AID A0000000041010

Cardholder Verification Method List ('4103 4203 5E03 5F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	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	Fail
5	Fail CVM Processing	Always	Fail

### 1.7.2 Contact: CVM List - Maestro debit, AID A0000000043060

Cardholder Verification Method List ('4103 4203 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	Fail CVM Processing	Always	Fail

## 1.8 Test Card 08 - U.S. Maestro, CO, 1-AID (2-Funding), English, USA, USD

A contact-only, single AID Mastercard (U.S. Maestro) debit card with 2 funding accounts with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.8.1 Contact: CVM List - Mastercard U.S. Checking, AID A0000000042203D0561111

Cardholder Verification Method List ('0205 4203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail
4	Fail CVM Processing	Always	Fail

### 1.8.2 Contact: CVM List - Mastercard U.S. Savings, AID A0000000042203D0562222

Cardholder Verification Method List (0205 4203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail
4	Fail CVM Processing	Always	Fail

## 1.9 Test Card 09 - Mastercard, CO, 3-AID (Credit+Maestrox2), English, USA, USD

A contact-only, 3-AID combination Mastercard Credit, Maestro and U.S. Maestro with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.9.1 Contact: CVM List - Mastercard credit, AID A0000000041010

Cardholder Verification Method List ('4103 4203 5E03 1F00 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	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	Fail
5	Fail CVM Processing	Always	Fail

### 1.9.2 Contact: CVM List - Maestro debit, AID A0000000043060

Cardholder Verification Method List ('4103 0203 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Fail
3	Fail CVM Processing	Always	Fail

### 1.9.3 Contact: CVM List - U.S. Maestro, AID A0000000042203

Cardholder Verification Method List ('0205 4203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail

## 1.10 Test Card 10 - Mastercard CO, Contact, 1-AID(US Maestro), English, USA, USD

A contact-only, single-AID Mastercard U.S. Maestro debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.10.1 Contact: CVM List - U.S. Maestro, AID A0000000043060

Cardholder Verification Method List ('0205 4203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail



### 1.11 Test Card 11 - Mastercard, CO, 4-AID (MC+USM/Maestro+USM), English, USA, USD

A contact-only, 4-AID Mastercard debit card with a pair of multi-funding accounts (Mastercard-U.S. Maestro / Maestro-U.S. Maestro) with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

#### 1.11.1 Contact: CVM List - Mastercard debit, AID A0000000041010

Cardholder Verification Method List ('0205 4103 4203 5E03 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
3	Online PIN	Terminal supports CVM type	Next CVM
4	Signature (paper)	Terminal supports CVM type	Next CVM
5	No CVM required	Always	Fail

#### 1.11.2 Contact: CVM List - U.S. checking, AID A000000004220301

Cardholder Verification Method List ('0205 4203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail

#### 1.11.3 Contact: CVM List - Maestro debit, AID A0000000043060

Cardholder Verification Method List ('0205 4103 0203 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
3	Online PIN	Terminal supports CVM type	Fail
4	No CVM required	Always	Fail

#### 1.11.4 Contact: CVM List - U.S. Savings debit, AID A000000004220302

Cardholder Verification Method List ('0205 4203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Purchase with Cashback	Fail
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail

## 1.12 Test Card 12 - Discover, DI, 2-AID (U.S. Debit, Discover), English/Spanish/French, USA, USD

A Dual Interface (Contact+Contactless), 2-AID Discover debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.12.1 Contact: CVM List - Discover U.S. Debit, AID A0000001524010

Cardholder Verification Method List ('0203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM Type	Fail
2	No CVM required	Terminal supports CVM Type	Fail

### 1.12.2 Contact: CVM List - Discover Debit, AID A0000001523010

Cardholder Verification Method List ('0201 0203 1E03 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Next CVM
2	Online PIN	Terminal supports CVM type	Fail
3	Signature (paper)	Terminal supports CVM type	Fail
4	No CVM required	Terminal supports CVM type	Fail

### 1.12.3 Contactless: CVM List - Discover U.S. Debit, AID A0000001524010

Cardholder Verification Method List ('0203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Fail
2	No CVM required	Terminal supports CVM type	Fail

## 1.13 Test Card 13 - Discover, CO, 1-AID (U.S. Debit), English, USA, USD

A contact-only, single-AID Discover debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

### 1.13.1 Contact: CVM List - Discover U.S. Debit, AID A0000001524010

Cardholder Verification Method List ('4203 1F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Next CVM
2	No CVM required	Terminal supports CVM type	Fail
3	No CVM required	Always	Fail

### 1.14 Test Card 14 - DNA, CO, 1 AID (DNA), English, USA, USD

A contact-only, single-AID Debit Network Alliance debit card with an Issuer Country Code of 'USA' and Currency Code of 'USD'.

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

#### 1.14.1 Contact: CVM List - DNA, AID A0000006200620

Cardholder Verification Method List ('0201 0204 0203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Manual Cash	Fail
3	Online PIN	Terminal supports CVM type	Fail
4	No CVM required	Always	Fail

### 1.15 Test Card 15 - Interac, DI, 1-AID (Interac), English, CAN, CAD

A Dual Interface (Contact+Contactless), 1-AID(Interac) Interac (Canadian) debit card with an Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

#### 1.15.1 Contact: CVM List - Interac, AID A0000002771010

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

#### 1.15.2 Contactless: CVM List - Interac Flash, AID A0000002771010

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

## 1.16 Test Card 16 - Interac, CO, 1-AID (Interac), English, CAN, CAD

A contact-only, 1-AID(Interac) Interac (Canadian) debit card with an Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

### 1.16.1 Contact: CVM List - Interac, AID A0000002771010

Cardholder Verification Method List ('4103 0203')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN	Terminal supports CVM type	Next CVM
2	Online PIN	Terminal supports CVM type	Fail