



# Touchless Dual Interface Test Card Collection Summary

Version 3.10

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## Revision History

| Version | Date              | Updated By | Revisions  |
|---------|-------------------|------------|--|
| 1.00    | June 18, 2020     | B2PS       | <ul style="list-style-type: none"><li>• Initial document release</li></ul>   |
| 2.00    | March 31, 2021    | B2PS       | <ul style="list-style-type: none"><li>• UAT-USA TC06, USA-Debit TC05 – expiry dates updated to 25/12</li></ul>   |
| 3.00    | December 20, 2021 | B2PS       | <ul style="list-style-type: none"><li>• UAT-USA card TC01 - change Expiry Date to 24/12, PAR (tag 9F 24) added</li><li>• UAT-USA TC06 - PAR (tag 9F 24) added</li><li>• USA-Debit TC01 - change Expiry Date to 24/12, PAR (tag 9F 24) added</li><li>• USA-Debit TC05 - PAR (tag 9F 24) added</li><li>• USA-Debit TC15 - replaced with updated DI card (Interac Flash BIN '00')</li></ul> |
| 3.10    | January 12, 2022  | B2PS       | <ul style="list-style-type: none"><li>• Corrections to profile table info (UAT USA TC01, links to card details), miscellaneous typos</li><li>• Note concerning expired JCB DI Test Card A</li></ul>  |

## Table of Contents

|  |           |
|--|-----------|
| <b>Chapter 1 - Touchless DI Test Card Collection - Profiles</b> .....  | <b>2</b>  |
| <b>1.1 UAT USA Test Card 01 - Visa, DI, Credit, English, USA, USD</b> .....                                    | <b>5</b>  |
| 1.1.1 Contact: CVM List - AID A0000000031010, Visa (EMV) .....   | 5         |
| <b>1.2 UAT USA Test Card 06 - Mastercard, DI, Credit, English, USA, USD</b> .....                              | <b>5</b>  |
| 1.2.1 Contact: CVM List - AID A0000000041010, Mastercard (EMV) .....   | 5         |
| 1.2.2 CTLS: CVM List - AID A0000000041010, Mastercard (PayPass MChip) .....                                    | 5         |
| <b>1.3 UAT USA Test Card 12 - American Express, DI, Credit, English, USA, USD</b> .....                        | <b>6</b>  |
| 1.3.1 CTLS: CVM List - AID A000000025010402, Amex (ExpressPay EMV) .....                                       | 6         |
| <b>1.4 UAT USA Test Card 15 - Discover, Credit, English, USA, USD</b> .....                                    | <b>6</b>  |
| 1.4.1 Contact: CVM List - AID A0000001523010, Discover (EMV) .....   | 6         |
| 1.4.2 CTLS: CVM List - AID A0000001523010, Discover (D-PAS EMV) .....  | 6         |
| <b>1.5 USA Debit Test Card 01 - Visa, DI, 2-AID (Visa Debit+US Debit), English, USA, USD</b> .....             | <b>7</b>  |
| 1.5.1 Contact: CVM List - AID A0000000031010, Visa .....   | 7         |
| 1.5.2 Contact: CVM List - U.S. Debit, AID A0000000980840.....  | 7         |
| <b>1.6 USA Debit Test Card 05 - Mastercard, DI, 2-AID (Mastercard Debit+US Debit), English, USA, USD</b> ..... | <b>7</b>  |
| 1.6.1 Contact: CVM List - Mastercard debit, AID A0000000041010 .....   | 7         |
| 1.6.2 Contact: CVM List - U.S. Maestro, AID A0000000042203 .....   | 8         |
| 1.6.3 CTLS: CVM List - Mastercard debit, AID A0000000041010 (PayPass).....                                     | 8         |
| 1.6.4 CTLS: CVM List - U.S. Maestro, AID A0000000042203 (PayPass).....   | 8         |
| <b>1.7 USA Debit Test Card 12 - Discover, DI, 2-AID (U.S. Debit, Discover), Eng/Spa/Fre, USA, USD</b> .....    | <b>8</b>  |
| 1.7.1 Contact: CVM List - Discover U.S. Debit, AID A0000001524010.....   | 8         |
| 1.7.2 Contact: CVM List - Discover Debit, AID A0000001523010.....  | 9         |
| 1.7.3 CTLS: CVM List - Discover U.S. Debit, AID A0000001524010 (D-PAS EMV).....                                | 9         |
| <b>1.8 USA Debit Test Card 15 - Interac, DI, 1-AID (Interac), English, CAN, CAD</b> .....                      | <b>9</b>  |
| 1.8.1 Contact: CVM List - Interac, AID A0000002771010 .....  | 9         |
| <b>1.9 JCB-DI Test Card A - JCB, DI, Japanese/English, JPN, JPY, CTLS EMV</b> .....                            | <b>10</b> |
| 1.9.1 Contact: CVM List - AID A0000000651010 .....   | 10        |
| 1.9.2 CTLS: CVM List - AID A0000000651010 .....  | 10        |
| <b>1.10 UnionPay-QP Test Card QPC1 - DI, Credit, 1-AID, Chinese, CHN, USD</b> .....                            | <b>10</b> |
| 1.10.1 Contact: CVM List - AID A000000333010102, EMV, 1 <sup>st</sup> GAC ARQC .....                           | 10        |
| 1.10.2 Contact: CVM List - AID A000000333010102, Low-Value .....   | 10        |
| 1.10.3 Contact: CVM List - AID A000000333010102, Dual-Currency, Low Value .....                                | 11        |
| 1.10.4 CTLS: CVM List - AID A000000333010102, Debit/Credit .....   | 11        |

**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 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.

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

**RECOMMENDATION**

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.

Visit: [b2ps.com/b2-university](http://b2ps.com/b2-university)

## Chapter 1 - Touchless DI Test Card Collection - Profiles

This Touchless Dual Interface Test Card Collection contains 10 cards with at least one card from each of the following card brands.



Each of the cards is a duplicate of another found in a different set from B2.

The B2 sets from which these cards are collected are: UAT USA EMV™ Test Card Set; USA Debit EMV™ Test Card Set; JCB Dual Interface EMV™ Test Card Set; UnionPay QuickPass Test Card Set \*.

\* UnionPay deemed the QPC1 test card (found in this Collection) was no longer required for certification. It does remain a valid test card for the UnionPay brand.

|  | Test Card 01  | Test Card 06  | Test Card 12  |
|--|---|---|---|
| Original Card Set  | UAT-USA   | UAT-USA   | UAT-USA   |
| Brand  | Visa  | Mastercard  | American Express  |
| Type   | Credit  | Credit  | Credit  |
| AID  | A0000000031010  | A0000000041010  | A000000025010402  |
| PAN  | 4761*****0011   | 5413*****4111   | 3742*****1006   |
| Expiry Date  | 12/2024   | 12/2025   | 12/2024   |
| Service Code   | 201   | 201   | 201   |
| Interface  | Contact, Contactless, MSR   | Contact, Contactless, MSR   | Contact, Contactless, MSR   |
| CVM (Contact)<br>Default Condition:<br>Terminal Supports CVM | Online PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Online PIN<br>Signature (paper)<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount  | \$10.00   | \$20.00   | \$68.00   |
| 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   | v7.x  | v9.x  | v7.x  |

|  | Test Card 15  | Test Card 01  | Test Card 05  |
|--|---|---|---|
| Original Card Set  | UAT-USA   | USA-Debit   | USA-Debit   |
| Brand  | Discover  | Visa  | Mastercard  |
| Type   | Credit  | Global / U.S. Common  | Global / Common   |
| AID  | A0000001523010  | A0000000031010<br>A0000000980840  | A0000000041010<br>A0000000042203  |
| PAN  | 6510*****0133   | 4761*****0135   | 5413*****9130   |
| Expiry Date  | 12/2023   | 12/2024   | 12/2025   |
| Service Code   | 201   | 201   | 201   |
| Interface  | Contact, Contactless, MSR   | Contact, Contactless, MSR   | Contact, Contactless, MSR   |
| CVM (Contact)<br>Default Condition:<br>Terminal Supports CVM | Online PIN<br>Signature (paper)<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Online PIN (MCash)<br>Signature (MCash)<br>Online PIN (CBack)<br>Signature<br>Online PIN<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Online PIN (CBack)<br>Signature<br>Online PIN<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount  | \$79.00   | \$10.00   | \$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   | v9.x  | v5.x  | v6.x  |

|   | Test Card 12   | Test Card 15   |
|---|--|--|
| Original Card Set   | USA-Debit  | USA-Debit  |
| Brand   | Discover   | Canadian Debit   |
| AID   | A00000015240410<br>A0000001523010                                    | A0000002771010   |
| PAN   | 6011*****0005  | 0012*****0001  |
| Expiry Date   | 12/2023  | 12/2028  |
| Service Code  | 201  | 220  |
| Interface   | Contactless, Contact,<br>MSR   | Contactless, Contact,<br>MSR   |
| CVM (Contact)<br>Default Condition:<br><i>Terminal Supports CVM</i> | Online PIN<br>No CVM required<br><a href="#">See card definition</a> | Offline Enciphered PIN<br>Offline Plaintext PIN<br>Online PIN<br><a href="#">See card definition</a> |
| Approval Amount   | \$79.00  | \$10.00  |
| Issuer<br>Country Code  | 840 - USA  | 124 - CAN  |
| Application<br>Currency Code  | 840 - USD  | 124 -CAD   |
| Language  | 'enesfr' (English,<br>Spanish, French)                               | 'enfr' - English, French   |
| Card Version  | v5.x   | v5.x   |

|   | Test Card A  | Test Card QPC1  |
|---|--|---|
| Original Card Set   | JCB-Dual Interface   | UnionPay-QP   |
| Brand   | JCB  | UICS Credit   |
| AID   | A0000000651010   | A000000333010102  |
| PAN   | 3569*****2211  | 6210*****8053   |
| Expiry Date   | 12/2021**  | 10/2030   |
| Service Code  | -  | 201   |
| Interface   | Contact, Contactless,<br>MSR   | Contact, Contactless,<br>MSR  |
| CVM (Contact)<br>Default Condition:<br><i>Terminal Supports CVM</i> | Offline Enciphered PIN<br>Offline Plaintext PIN<br>Signature<br>Online PIN<br>No CVM required<br><a href="#">See card definition</a> | Online PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount   | \$10.00  | \$10.00   |
| Issuer<br>Country Code  | 392 - JPN  | 156 - CHN   |
| Application<br>Currency Code  | 392 - JPY  | 840 - USD   |
| Language  | 'jaen' - Japanese,<br>English  | 'zh' - Chinese  |
| Card Version  | v1.x   | v1.x  |

\*\* JCB Test Card A – we are awaiting updated cards from the supplier of this item. At the time of this document's publication, this set contains information pertaining to version 1.x (recently expired).

## 1.1 UAT USA Test Card 01 - Visa, DI, Credit, English, USA, USD

A Dual Interface (Contact / Contactless) Visa credit card with 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 - AID A0000000031010, Visa (EMV)

| Cardholder Verification Method List ('4203 5E03 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Terminal supports CVM type | Next CVM        |
| 2  | Signature (paper)   | Terminal supports CVM type | Next CVM        |
| 3  | No CVM required     | Always                     | Fail            |

## 1.2 UAT USA Test Card 06 - Mastercard, DI, Credit, English, USA, USD

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

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

### 1.2.1 Contact: CVM List - AID A0000000041010, 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            |

### 1.2.2 CTLS: CVM List - AID A0000000041010, 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            |



### 1.3 UAT USA Test Card 12 - American Express, DI, Credit, English, USA, USD

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

The recommended transaction amount to generate a host approval is \$68.00.

#### 1.3.1 CTLS: CVM List - AID A00000025010402, Amex (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            |

### 1.4 UAT USA Test Card 15 - Discover, Credit, English, USA, USD

A 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.

#### 1.4.1 Contact: CVM List - AID A0000001523010, Discover (EMV)

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

#### 1.4.2 CTLS: CVM List - AID A0000001523010, Discover (D-PAS EMV)

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

## 1.5 USA Debit 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.

### 1.5.1 Contact: CVM List - AID A000000031010, Visa (EMV)

| 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            |

### 1.5.2 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            |

## 1.6 USA Debit 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.

### 1.6.1 Contact: CVM List - Mastercard debit, AID A000000041010

| 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            |

**1.6.2 Contact: CVM List - U.S. Maestro, AID A000000042203**

| 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            |

**1.6.3 CTLS: CVM List - Mastercard debit, AID A000000041010 (PayPass)**

| Cardholder Verification Method List ('0205 5E03 0203 1F03 0000') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Purchase with Cashback     | Fail            |
| 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            |

**1.6.4 CTLS: CVM List - U.S. Maestro, AID A000000042203 (PayPass)**

| 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            |

**1.7 USA Debit Test Card 12 - Discover, DI, 2-AID (U.S. Debit, Discover), Eng/Spa/Fre, 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.

**1.7.1 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            |

**1.7.2 Contact: CVM List - Discover Debit, AID A000001523010**

| 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            |

**1.7.3 CTLS: CVM List - Discover U.S. Debit, AID A000001524010 (D-PAS EMV)**

| 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            |

**1.8 USA Debit 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'.

All Merchant Type Indicator (MTI) Limits (tags 9F52, 9F54, 9F55, 9F56, 9F57) set to \$50.01

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

**1.8.1 Contact: CVM List - Interac, AID A000002771010**

| 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            |

## 1.9 JCB-DI Test Card A - JCB, DI, Japanese/English, JPN, JPY, CTLS EMV

A dual interface (contact & contactless), single-AID(JCB) credit card with an Issuer Country Code of 'Japan' and Currency Code of 'JPY'. Languages supported are Japanese and English. The contactless application operates in EMV mode.

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

### 1.9.1 Contact: CVM List - AID A0000000651010

| Cardholder Verification Method List ('4403 4103 1E03 0203 1F00') |                        |                            |                 |
|--|------------------------|----------------------------|-----------------|
| CVM  | Verification Method    | Conditions                 | If unsuccessful |
| 1  | Offline Enciphered PIN | Terminal supports CVM type | Next CVM        |
| 2  | Offline Plaintext PIN  | Terminal supports CVM type | Next CVM        |
| 3  | Signature (paper)      | Terminal supports CVM type | Fail            |
| 4  | Online PIN             | Terminal supports CVM type | Fail            |
| 5  | No CVM required        | Always                     | Fail            |

### 1.9.2 CTLS: CVM List - AID A0000000651010

| Cardholder Verification Method List ('1E03 0203 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Signature (paper)   | Terminal supports CVM type | Fail            |
| 2  | Online PIN          | Terminal supports CVM type | Fail            |
| 3  | No CVM required     | Always                     | Fail            |

## 1.10 UnionPay-QP Test Card QPC1 - DI, Credit, 1-AID, Chinese, CHN, USD

A dual-interface, single-AID credit card with an Issuer Country Code of 'China' and Currency Code of 'USD'. Languages supported include Chinese.

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

### 1.10.1 Contact: CVM List - AID A000000333010102, EMV, 1<sup>st</sup> GAC ARQC

| Cardholder Verification Method List ('4203 1E03 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Terminal supports CVM type | Next CVM        |
| 2  | Signature (paper)   | Terminal supports CVM type | Fail            |
| 3  | No CVM required     | Always                     | Fail            |

### 1.10.2 Contact: CVM List - AID A000000333010102, Low-Value

| Cardholder Verification Method List ('4203 1E03 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Terminal supports CVM type | Next CVM        |
| 2  | Signature (paper)   | Terminal supports CVM type | Fail            |
| 3  | No CVM required     | Always                     | Fail            |

**1.10.3 Contact: CVM List - AID A00000333010102, Dual-Currency, Low Value**

| Cardholder Verification Method List ('4203 1E03 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Terminal supports CVM type | Next CVM        |
| 2  | Signature (paper)   | Terminal supports CVM type | Fail            |
| 3  | No CVM required     | Always                     | Fail            |

**1.10.4 CTLS: CVM List - AID A00000333010102, Debit/Credit**

| Cardholder Verification Method List ('4203 1E03 1F00') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | Online PIN          | Terminal supports CVM type | Next CVM        |
| 2  | Signature (paper)   | Terminal supports CVM type | Fail            |
| 3  | No CVM required     | Always                     | Fail            |