



# Touchless Dual Interface Test Card Collection Summary

Version 2.00

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Powered by **B2»**

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| 1.00    | June 18, 2020  | B2PS       | • Initial document release                                     |
| 2.00    | March 31, 2021 | B2PS       | • UAT-USA TC06, USA-Debit TC05 – expiry dates updated to 25/12 |
|         |                |            |  |
|         |                |            |  |

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| <p><b>CAUTION</b></p> <p>Multiple consecutive incorrect PIN entry attempts may result in the card being blocked.<br/>This is known as being 'PIN Blocked'.<br/>If this occurs, it will no longer be possible to enter an Offline PIN,<br/>which will cause all future transactions to be declined.</p> <p><b>*** It is not possible to unblock a 'PIN Blocked' card ***</b></p>      |
| <p><b>RECOMMENDATION</b></p> <p>For those that are relatively new to EMV and seek assistance in understanding 'the basics'...<br/>Consider B2's online courses – eLearning and Virtual Training.<br/>Learn from the comfort and convenience of your office (or home-office), at your own pace.</p> <p>Visit: <a href="https://b2ps.com/b2-university">b2ps.com/b2-university</a></p> |

## 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; UAT Flash 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                        |
|----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>Original Card Set</b>         | UAT-USA                             | UAT-USA                             | UAT-USA                             |
| <b>Brand</b>                     | Visa                                | Mastercard                          | American Express                    |
| <b>Type</b>                      | Credit                              | Credit                              | Credit                              |
| <b>AID</b>                       | A0000000031010                      | A0000000041010                      | A000000025010402                    |
| <b>PAN</b>                       | 476173 ***** 0119                   | 541333 ***** 4111                   | 374245 *****1006                    |
| <b>Expiry Date</b>               | 12/2022                             | 12/2025                             | 12/2024                             |
| <b>Service Code</b>              | 201                                 | 201                                 | 201                                 |
| <b>Interface</b>                 | Contact, Contactless, MSR           | Contact, Contactless, MSR           | Contact, Contactless, 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                             | \$20.00                             | \$68.00                             |
| <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>              | v6.x                                | v8.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                          | 651000 ***** 0133                   | 476173 ***** 0135                   | 541333 ***** 9130                   |
| Expiry Date                  | 12/2023                             | 12/2022                             | 12/2025                             |
| Service Code                 | 201                                 | 201                                 | 201                                 |
| Interface                    | Contact, Contactless,<br>MSR        | Contact, Contactless,<br>MSR        | Contact, Contactless,<br>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                             | \$20.00                             |
| Issuer<br>Country Code       | 840 - USA                           | 840 - USA                           | 840 - USA                           |
| Application<br>Currency Code | 840 - USD                           | 840 - USD                           | 840 - USD                           |
| Language                     | 'en' - English                      | 'en' - English                      | 'en' - English                      |
| Card Version                 | v9.x                                | v4.x                                | v5.x                                |

|                              | Test Card 12                           | Test Card 01                        |
|------------------------------|--|-------------------------------------|
| Original Card Set            | USA-Debit                              | UAT-Flash                           |
| Brand                        | Discover                               | Interac                             |
| AID                          | A0000001524010<br>A0000001523010       | A0000002771010                      |
| PAN                          | 601197 ***** 0005                      | 196730 ***** 8644                   |
| Expiry Date                  | 12/2023                                | 12/2022                             |
| Service Code                 | 201                                    | 220                                 |
| Interface                    | Contactless, Contact,<br>MSR           | Contactless, Contact,<br>MSR        |
| CVM                          | <a href="#">See card definition</a>    | <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                                   | v3.x                                |

|                           | Test Card A                         | Test Card QPC1                      |
|---------------------------|-------------------------------------|-------------------------------------|
| Original Card Set         | JCB-Dual Interface                  | UnionPay-QP                         |
| Brand                     | JCB                                 | UICS Credit                         |
| AID                       | A0000000651010                      | A000000333010102                    |
| PAN                       | 3569 9900 1008 2211                 | 6210 9468 88053                     |
| Expiry Date               | 12/2021                             | 10/2030                             |
| Service Code              | -                                   | 201                                 |
| Interface                 | Contact, Contactless, MSR           | Contact, Contactless, MSR           |
| CVM                       | <a href="#">See card definition</a> | <a href="#">See card definition</a> |
| Approval Amount           | \$10.00                             | \$10.00                             |
| Issuer Country Code       | 392 - JPN                           | 156 - CHN                           |
| Application Currency Code | 392 - JPY                           | 840 - USD                           |
| Language                  | 'jaen' - Japanese, English          | 'zh' - Chinese                      |
| Card Version              | v1.x                                | v1.x                                |

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

A dual interface (contact & contactless) Visa 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 Cardholder Verification Method List

| 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 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 Cardholder Verification Method List

| 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 Cardholder Verification Method List (CL)

| 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 Cardholder Verification Method List

| 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        |

### 1.3.2 Cardholder Verification Method List (CL)

| 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,<br>Manual Cash or Cashback | Fail            |



## 1.4 UAT-USA Test Card 15 - Discover, 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.

### 1.4.1 Cardholder Verification Method List

| 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 Cardholder Verification Method List (CL)

| 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 - 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            |

**1.5.2 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 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            |

**1.6.4 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            |

**1.7 USA-Debit 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.

**1.7.1 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 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 |

### 1.7.3 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            |

## 1.8 UAT-Flash Test Card 01 - Interac, DI, 1-AID(Interac), English/French, 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'. Languages supported are English and French.

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

### 1.8.1 Contact Interface: 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            |

### 1.8.2 Contactless Interface: CVM List - Interac Flash, AID A0000002771010

| 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            |

## 1.9 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 Interface: 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 Contactless Interface: 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, 1st 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 A000000333010102, 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 Contactless: CVM List - AID A000000333010102, 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            |