



**User Acceptance Test (UAT) U.K.  
EMV™ Test Card Set  
Summary**

**Version 14.00**

**May 2023**

**Powered by B2»**

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## Revision History

| Version | Date               | Updated By | Revisions   |
|---------|--------------------|------------|---|
| 1.00    | July 13, 2017      | B2PS       | <ul style="list-style-type: none"> <li>Initial document release</li> </ul>  |
| 2.00    | July 21, 2017      | B2PS       | <ul style="list-style-type: none"> <li>TC13, TC14 now v2.0 - based on contactless cardstock</li> <li>TC07, TC10, TC11, TC12 - added missing CVM contactless tables</li> <li>Country and Currency errors corrected.</li> </ul> |
| 3.00    | August 16, 2017    | B2PS       | <ul style="list-style-type: none"> <li>TC02, TC03, TC05, TC06, TC08, TC09 now dual interface and v2.0</li> </ul>  |
| 4.00    | December 18, 2017  | B2PS       | <ul style="list-style-type: none"> <li>TC08 now contact-only (v3.0)</li> <li>TC15, TC16 added (Set now 16 cards)</li> </ul>   |
| 4.10    | June 11, 2018      | B2PS       | <ul style="list-style-type: none"> <li>TC15, tag table now reflects card version (v3.0)</li> <li>TC16 PIN corrected on card. No change to document other than card version is now 3.1</li> </ul>                              |
| 5.00    | September 24, 2018 | B2PS       | <ul style="list-style-type: none"> <li>Amex cards (TC11, TC12) - Expiry date changed to 24/12</li> <li>Discover, Diners cards (TC15, TC16) - Expiry date changed to 23/12</li> </ul>  |
| 6.00    | October 10, 2018   | B2PS       | <ul style="list-style-type: none"> <li>All cards - Tags 82, 9F07, 9F69 expanded &amp; interpreted</li> <li>TC09, TC14 - Issuer certificate updated</li> </ul>   |
| 7.00    | November 28, 2018  | B2PS       | <ul style="list-style-type: none"> <li>TC05, TC06 - modified PDOL content, CVM</li> </ul>   |
| 8.00    | February 27, 2019  | B2PS       | <ul style="list-style-type: none"> <li>TC11, TC12 - Tag 57 contactless expiry dates corrected</li> </ul>  |
| 8.01    | June 7, 2019       | B2PS       | <ul style="list-style-type: none"> <li>Set renamed to "UAT UK EMV Test Card Set". No change to cards themselves.</li> </ul>   |
| 9.00    | September 15, 2020 | B2PS       | <ul style="list-style-type: none"> <li>TC01-TC10, TC13, TC14 – updated cardstock support, where applicable "MasterCard" &gt; "Mastercard"</li> </ul>  |
| 10.00   | March 30, 2021     | B2PS       | <ul style="list-style-type: none"> <li>TC07, TC08, TC10, TC14 - change Expiry Date to 25/12</li> </ul>  |
| 11.00   | January 14, 2022   | B2PS       | <ul style="list-style-type: none"> <li>TC01-TC06, TC13 - Visa cards change Expiry Date to 24/12</li> <li>All EMV cards - tag 9F0A added</li> </ul>  |
| 12.00   | September 14, 2022 | B2PS       | <ul style="list-style-type: none"> <li>TC15, TC16 – Discover, Diners cards change PAN, expiry date to 26/05</li> </ul>  |
| 13.00   | April 6, 2023      | B2PS       | <ul style="list-style-type: none"> <li>TC08, TC11, TC02 - New cardstock (no functional change)</li> </ul>   |
| 14.00   | May 1, 2023        | B2PS       | <ul style="list-style-type: none"> <li>TC15, TC16 – Cashback supported in AUC</li> </ul>  |

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**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 \*\*\***

## Chapter 1 - User Acceptance Test U.K. Test Card Set Profiles

This User Acceptance Test (UAT) U.K. 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</b>  | Credit, High-Value   | Debit, V PAY  | Electron   |
| <b>AID</b>  | A0000000031010   | A0000000031020  | A0000000031010   |
| <b>PAN list</b>   | 4761*****0043  | 4761*****0043   | 4761*****0043  |
| <b>Expiry Date</b>  | 12/2024  | 12/2024   | 12/2024  |
| <b>Service Code</b>   | 201  | 220   | 220  |
| <b>Interface</b>  | Contact, Contactless, MSR  | Contact, Contactless, MSR   | Contact, Contactless, MSR  |
| <b>CVM (Contact)<br/>Default Condition:<br/>Terminal Supports CVM</b> | Online PIN (ATM)<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Offline Plaintext PIN<br>Online PIN<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> |
| <b>Approval Amount</b>  | \$10.00  | \$10.00   | \$10.01  |
| <b>Issuer Country Code</b>  | 826 - GBR  | 826 - GBR   | 826 - GBR  |
| <b>Application Currency Code</b>                                      | 826 - GBP  | 826 - GBP   | 826 - GBP  |
| <b>Language</b>   | 'en' – English   | 'en' – English  | 'en' - English   |
| <b>Card Version</b>   | v3.x   | v4.x  | v4.x   |

|  | Test Card 04   | Test Card 05  | Test Card 06   |
|--|--|---|--|
| Brand  | Visa   | Visa  | Visa   |
| Description  | Debit  | Credit  | Credit, No CVM   |
| AID  | A0000000031010   | A0000000031010  | A0000000031010   |
| PAN  | 4761*****0043  | 4761*****0043   | 4761*****0043  |
| Expiry Date  | 12/2024  | 12/2024   | 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 (ATM)<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Online PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | No CVM required<br><a href="#">See card definition</a> |
| Approval Amount  | \$10.00  | \$10.00   | \$20.00  |
| Issuer Country Code  | 826 - GBR  | 826 - GBR   | 826 - GBR  |
| Application Currency Code                                    | 826 - GBP  | 826 - GBP   | 826 - GBP  |
| Language   | 'en' – English   | 'en' - English  | 'en' - English   |
| Card Version   | v3.x   | v5.x  | v5.x   |

|  | Test Card 07   | Test Card 08  | Test Card 09  |
|--|--|---|---|
| Brand  | Mastercard   | Mastercard  | Mastercard  |
| Description  | Credit   | Credit, ARPC Failure  | Maestro Int'l   |
| AID  | A0000000041010   | A0000000041010  | A0000000043060  |
| PAN  | 5413*****4111  | 5413*****0011   | 6799*****2010   |
| Expiry Date  | 12/2025  | 12/2025   | 12/2025   |
| Service Code   | 201  | 201   | 220   |
| Interface  | Contact, Contactless, MSR  | Contact, MSR  | Contact, Contactless, MSR   |
| CVM (Contact)<br>Default Condition:<br>Terminal Supports CVM | Online PIN (ATM)<br>Offline Enciphered PIN<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Offline Plaintext PIN<br>Online PIN<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount  | \$20.00  | \$120.00  | \$20.00   |
| Issuer Country Code  | 826 - GBR  | 826 - GBR   | 826 - GBR   |
| Application Currency Code                                    | 826 - GBP  | 826 - GBP   | 826 - GBP   |
| Language   | 'en' – English   | 'en' – English  | 'en' - English  |
| Card Version   | v4.x   | v7.x  | v5.x  |

|   | Test Card 10   | Test Card 11   | Test Card 12   |
|---|--|--|--|
| Brand   | Mastercard   | American Express   | American Express   |
| Description   | Debit  | U.S. Profile   | EU Profile   |
| AID   | A0000000041010   | A0000000025010402<br>A00000000291010   | A0000000025010402<br>A00000000291010   |
| PAN   | 5413*****9130  | 3742*****71003   | 3742*****71003   |
| Expiry Date   | 12/2025  | 12/2024  | 12/2024  |
| Service Code  | 201  | 201  | 201  |
| Interface   | Contact, Contactless,<br>MSR   | Contact, Contactless,<br>MSR   | Contact, Contactless,<br>MSR   |
| CVM (Contact)<br>Default Condition:<br><i>Terminal Supports CVM</i> | Online PIN (ATM)<br>Offline Enciphered PIN<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Signature<br>Offline Plaintext PIN<br>No CVM required<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Offline Plaintext PIN<br>Signature<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount   | \$20.00  | \$3.02   | \$3.02   |
| Issuer<br>Country Code  | 826 - GBR  | 840 - USA  | 826 - GBR  |
| Application<br>Currency Code  | 826 - GBP  | 840 - USD  | 826 - GBP  |
| Language  | 'en' – English   | 'en' - English   | 'en' - English   |
| Card Version  | v4.x   | v5.x   | v5.x   |

|   | Test Card 13  | Test Card 14  | Test Card 15  |
|---|---|---|---|
| Brand   | Visa  | Mastercard  | Discover  |
| Description   | Debit Cashback  | Debit Cashback  | Offline PIN Preferring  |
| AID   | A0000000031010  | A0000000041010  | A0000001523010  |
| PAN   | 4462*****0215   | 5457*****0012   | 6510*****0844   |
| Expiry Date   | 12/2024   | 12/2025   | 05/2026   |
| Service Code  | 201   | 201   | 201   |
| Interface   | 201   | 201   | Contact, Contactless,<br>MSR  |
| CVM (Contact)<br>Default Condition:<br><i>Terminal Supports CVM</i> | Offline Plaintext PIN<br>Signature<br>Online PIN<br>No CVM required-<br><a href="#">See card definition</a> | Offline Plaintext PIN<br>Online PIN<br>Signature<br>No CVM required-<br><a href="#">See card definition</a> | Online PIN (ATM)<br>Offline Plaintext PIN<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount   | \$10.00   | \$20.00   | \$79.00   |
| Issuer Country Code   | 826 - GBR   | 056 - BEL   | 826 - GBR   |
| Application Currency Code   | 826 - GBP   | 978 - EUR   | 826 - GBP   |
| Language  | 'en' - English  | 'en' - English  | 'en' - English  |
| Card Version  | v4.x  | v6.x  | v7.x  |

|   | Test Card 16  |
|---|---|
| Brand   | Diners Club   |
| Description   | Offline PIN Preferring  |
| AID   | A0000001523010  |
| PAN   | 3607*****0715   |
| Expiry Date   | 05/2026   |
| Service Code  | 201   |
| Interface   | Contact, Contactless, MSR   |
| CVM (Contact)<br>Default Condition:<br><i>Terminal Supports CVM</i> | Online PIN (ATM)<br>Offline Plaintext PIN<br>No CVM required<br><a href="#">See card definition</a> |
| Approval Amount   | \$79.00   |
| Issuer Country Code   | 826 - GBR   |
| Application Currency Code   | 826 - GBP   |
| Language  | 'en' - English  |
| Card Version  | v7.x  |



## 1.1 Test Card 01 - Visa, DI, High-Value, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa credit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.1.1 Contact: 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       | Terminal supports CVM type | Fail            |

## 1.2 Test Card 02 - Visa, DI, VPAY, Debit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa VPAY debit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.2.1 Contact: CVM List - AID A000000032020, Visa (EMV)

| Cardholder Verification Method List ('4201 4103 4203 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   | Online PIN            | Terminal supports CVM type | Next CVM        |
| 4   | No CVM required       | Terminal supports CVM type | Fail            |

## 1.3 Test Card 03 - Visa, DI, Electron, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa Electron card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

The recommended transaction amount to generate a host approval is \$10.01.

### 1.3.1 Contact: CVM List - AID A000000032010, 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       | Terminal supports CVM type | Fail            |

## 1.4 Test Card 04 - Visa, DI, Debit, English, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa debit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.4.1 Contact: 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       | Terminal supports CVM type | Fail            |

## 1.5 Test Card 05 - Visa, DI, Signature, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa credit card, online-only signature with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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 ('4201 4204 5E03 1F03') |                     |                            |                 |
|---|---------------------|----------------------------|-----------------|
| 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     | Terminal supports CVM type | Fail            |

## 1.6 Test Card 06 - Visa, DI, No CVM, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Visa credit card with no CVM and Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

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

| Cardholder Verification Method List ('1F03') |                     |                            |                 |
|--|---------------------|----------------------------|-----------------|
| CVM  | Verification Method | Conditions                 | If unsuccessful |
| 1  | No CVM required     | Terminal supports CVM type | Fail            |

## 1.7 Test Card 07 - Mastercard, DI, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Mastercard credit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.7.1 Contact: CVM List - AID A000000041010, Mastercard (EMV)

| 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            |

### 1.7.2 CTLS: CVM List - AID A000000041010, Mastercard (PayPass)

| 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            |

## 1.8 Test Card 08 - Mastercard, Contact, Fail ARPC, Credit, EN, GBR, GBP

A Mastercard credit card that fails Authorization Response Cryptogram (ARPC) validation. This card has an Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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 2<sup>nd</sup> Generate AC.

### 1.8.1 Contact: CVM List - AID A000000041010, EN, GBR, GBP

| 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     | Always                     | Fail            |

## 1.9 Test Card 09 - Mastercard, DI, Maestro Int'l, Debit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Mastercard Maestro debit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.9.1 Contact: CVM List - AID A000000043060, Maestro (EMV)

| Cardholder Verification Method List ('4201 4103 4203 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   | Online PIN            | Terminal supports CVM type | Next CVM        |
| 4   | No CVM required       | Terminal supports CVM type | Fail            |

### 1.9.2 CTLS: CVM List - AID A000000043060, Maestro (PayPass)

| 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            |

## 1.10 Test Card 10 - Mastercard, DI, Debit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Mastercard debit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.10.1 Contact: CVM List - AID A000000041010, Mastercard (EMV)

| 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            |

### 1.10.2 CTLS: CVM List - AID A000000041010, Mastercard (PayPass)

| 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            |

## 1.11 Test Card 11 - Amex, DI, Credit, EN, USA, USD

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

The recommended transaction amount to generate a host approval is \$3.02.

### 1.11.1 Contact: CVM List - AID A00000025010402, Amex (EMV)

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

### 1.11.2 CTLS: CVM List - AID A0000025010402, 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            |

### 1.11.3 Contact: CVM List - AID A000000291010, Amex (EMV)

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

## 1.12 Test Card 12 - Amex, DI, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) American Express credit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

The recommended transaction amount to generate a host approval is \$3.02.

### 1.12.1 Contact: CVM List - AID A00000025010402, Amex (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 | Fail            |

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

**1.12.3 Contact: CVM List - AID A000000291010, Amex (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 | Fail            |

**1.13 Test Card 13 - Visa, DI, Debit, EN, GBR, GBP**

A Dual Interface (Contact / Contactless) Visa debit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

**1.13.1 Contact: CVM List - AID A000000031010, Visa (EMV)**

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

## 1.14 Test Card 14 - Mastercard, DI, Debit, EN, BEL, EUR

A Dual Interface (Contact / Contactless) Mastercard debit card with Issuer Country Code of 'BEL' and Currency Code of 'EUR'. Languages include: English.

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

### 1.14.1 CVM List - AID A000000041010, Mastercard (EMV)

| Cardholder Verification Method List ('4201 4203 1E03 1F00') |                       |                            |                 |
|---|-----------------------|----------------------------|-----------------|
| 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       | Always                     | Fail            |

### 1.14.2 CTLS: CVM List - AID A000000041010 Mastercard (PayPass)

| 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            |

## 1.15 Test Card 15 - Discover, DI, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) Discover credit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

### 1.15.1 Contact: CVM List - AID A000001523010, Discover (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 CTLS: CVM List - AID A000001523010, Discover (D-PAS 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            |

**1.15.3 CTLS: CVM List - AID A00001523010, Discover (D-PAS 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 - Diners, DI, Credit, EN, GBR, GBP**

A Dual Interface (Contact / Contactless) Diners Club International credit card with Issuer Country Code of 'GBR' and Currency Code of 'GBP'. Languages include: English.

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

**1.16.1 Contact: CVM List - AID A000001523010, Diners (EMV)**

| Cardholder Verification Method List ('0201 4103 1F03') |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
| CVM  | Verification Method   | Conditions                 | If unsuccessful |
| 1  | Online PIN            | Unattended Cash            | Fail            |
| 2  | Offline Plaintext PIN | Terminal supports CVM type | Next CVM        |
| 3  | No CVM required       | Terminal supports CVM type | Fail            |

**1.16.2 CTLS: CVM List - AID A00001523010, Diners (D-PAS EMV Online)**

| Cardholder Verification Method List ('0201 4103 1F03') |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
| CVM  | Verification Method   | Conditions                 | If unsuccessful |
| 1  | Online PIN            | Unattended Cash            | Fail            |
| 2  | Offline Plaintext PIN | Terminal supports CVM type | Next CVM        |
| 3  | No CVM required       | Terminal supports CVM type | Fail            |

**1.16.3 CTLS: CVM List - AID A00001523010, Diners (D-PAS EMV Offline)**

| Cardholder Verification Method List ('0201 4103 1F03') |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
| CVM  | Verification Method   | Conditions                 | If unsuccessful |
| 1  | Online PIN            | Unattended Cash            | Fail            |
| 2  | Offline Plaintext PIN | Terminal supports CVM type | Next CVM        |
| 3  | No CVM required       | Terminal supports CVM type | Fail            |