

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

Version 8.01

June 2019



#### **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 UAT UK EMV<sup>™</sup> Test Card Set (16 cards) only.

#### **Attribution**

EMV<sup>™</sup> is a trademark owned by EMVCo LLC.

All trademarked symbols seen below are registered trademarks of their respective organizations: American Express Company, 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

## **Revision History**

| Version | Date               | Updated<br>By | Revisions   |
|---------|--------------------|---------------|---|
| 1.00    | July 13, 2017      | B2PS          | Initial document release  |
| 2.00    | July 21, 2017      | B2PS          | <ul> <li>TC13, TC14 now v2.0 - based on contactless<br/>cardstock</li> </ul>                      |
|         |                    |               | <ul> <li>TC07, TC10, TC11, TC12 - added missing<br/>CVM contactless tables</li> </ul>             |
|         |                    |               | Country and Currency errors corrected.  |
| 3.00    | August 16, 2017    | B2PS          | <ul> <li>TC02, TC03, TC05, TC06, TC08, TC09 now<br/>dual interface and v2.0</li> </ul>            |
| 4.00    | December 18, 2017  | B2PS          | TC08 now contact-only (v3.0)  |
|         |                    |               | TC15, TC16 added (Set now 16 cards)   |
| 4.10    | June 11, 2018      | B2PS          | • TC16 PIN corrected on card. No change to document other than card version is now 3.1            |
| 5.00    | September 24, 2018 | B2PS          | Amex cards (TC11, TC12) - Expiry date<br>changed to 24/12   |
|         |                    |               | <ul> <li>Discover, Diners cards (TC15, TC16) - Expiry<br/>date changed to 23/12</li> </ul>        |
| 6.00    | October 10, 2018   | B2PS          | • TC09, TC14 - Issuer certificate updated   |
| 7.00    | November 28, 2018  | B2PS          | TC05, TC06 - modified PDOL content, CVM   |
| 8.00    | February 27, 2019  | B2PS          | • TC11, TC12 - Tag 57 contactless expiry dates corrected  |
| 8.01    | June 7, 2019       | B2PS          | <ul> <li>Set renamed to "UAT UK EMV Test Card Set".<br/>No change to cards themselves.</li> </ul> |

## Table of Contents

| Chapter 1 - | User Accep       | tance Test U.K. Test Card Set Profiles  | 2  |
|-------------|------------------|---|----|
| 1.1         | Test Card 01 -   | Visa, DI, High-Value, Credit, EN, GBR, GBP  | 6  |
|             | 1.1.1            | Cardholder Verification Method List - AID A000000031010   | 6  |
| 1.2         | Test Card 02 -   | Visa, DI, VPAY, Debit, EN, GBR, GBP   | 6  |
|             | 1.2.1            | Cardholder Verification Method List - AID A000000032020   | 6  |
| 1.3         | Test Card 03 -   | Visa, DI, Electron, EN, GBR, GBP  | 6  |
|             | 1.3.1            | Cardholder Verification Method List - AID A000000032010   | 6  |
| 1.4         | Test Card 04 -   | Visa, DI, Debit, English, EN, GBR, GBP  | 7  |
|             | 1.4.1            | Cardholder Verification Method List - AID A000000031010   | 7  |
| 1.5         | Test Card 05 -   | Visa, DI, Signature, Credit, EN, GBR, GBP   | 7  |
|             | 1.5.1            | Cardholder Verification Method List - AID A000000031010   | 7  |
| 1.6         | Test Card 06 -   | Visa, DI, No CVM, Credit, EN, GBR, GBP  | 7  |
|             | 1.6.1            | Cardholder Verification Method List - AID A000000031010   | 7  |
| 1.7         | Test Card 07 -   | Mastercard, DI, Credit, EN, GBR, GBP  | 8  |
|             | 1.7.1            | Cardholder Verification Method List - AID A000000041010   |    |
|             | 1.7.2            | Cardholder Verification Method List (CL) - AID A000000041010  | 8  |
| 1.8         | Test Card 08 -   | Mastercard, Contact, Fail ARPC, Credit, EN, GBR, GBP  | 8  |
|             | 1.8.1            | Cardholder Verification Method List - AID A000000041010   | 8  |
| 1.9         | Test Card 09 -   | Mastercard, DI, Maestro Int'I, Debit, EN, GBR, GBP  | 9  |
|             | 1.9.1            | Cardholder Verification Method List - AID A000000043060   | 9  |
|             | 1.9.2            | Cardholder Verification Method List (CL) - AID A000000043060  | 9  |
| 1.10        | Test Card 10 -   | Mastercard, DI, Debit, EN, GBR, GBP   | 9  |
|             | 1.10.1           | Cardholder Verification Method List - AID A000000041010   | 9  |
|             | 1.10.2           | Cardholder Verification Method List (CL) - AID A000000041010  | 9  |
| 1.11        | Test Card 11 -   | Amex, DI, U.S. Profile, Credit, EN, USA, USD  | 10 |
|             | 1.11.1           | Cardholder Verification Method List - AID A00000025010402   |    |
|             | 1.11.2           | Cardholder Verification Method List (CL) - AID A00000025010402  |    |
|             | 1.11.3           | Cardholder Verification Method List - AID A000000291010   |    |
| 1.12        |                  | Amex, DI, EUR Profile, Credit, EN, GBR, GBP   |    |
|             | 1.12.1           | Cardholder Verification Method List - AID A00000025010402   |    |
|             | 1.12.2<br>1.12.3 | Cardholder Verification Method List (CL) - AID A00000025010402<br>Cardholder Verification Method List - AID A000000291010 |    |
| 4.40        |                  |   |    |
| 1.13        | 1.13.1           | Visa, Contact, Debit, EN, GBR, GBP<br>Cardholder Verification Method List - AID A000000031010                             |    |
|             |                  |   |    |
| 1.14        |                  | Mastercard, Contact, Debit, EN, BEL, EUR<br>Cardholder Verification Method List - AID A000000041010                       |    |
|             | 1.14.1<br>1.14.2 | Cardholder Verification Method List - AID A000000041010   |    |
| 4 4 5       |                  | Discover, DI, Credit, EN, GBR, GBP  |    |
| 1.15        | 1.15.1           | Cardholder Verification Method List - AID A0000001523010  |    |
|             | 1.15.2           | Cardholder Verification Method List - AID A0000001523010  |    |
| 1 16        |                  | Diners, DI, Credit, EN, GBR, GBP  |    |
| 1.16        | 1.16.1           | Cardholder Verification Method List - AID A0000001523010  |    |
|             | 1.16.2           | Cardholder Verification Method List - AID A0000001523010  |    |
|             |                  |   |    |



## 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                 |
|---------------------------|------------------------------|------------------------------|------------------------------|
| Brand                     | Visa                         | Visa                         | Visa                         |
| Description               | Credit, High-Value           | Debit, V PAY                 | Electron                     |
| AID                       | A000000031010                | A000000031020                | A000000031010                |
| PAN list                  | 47613 ****** 0119            | 47613 ****** 0010            | 476173 ****** 0010           |
| IIN                       | -                            | 476173                       | -                            |
| Expiry Date               | 12/2022                      | 12/2022                      | 12/2022                      |
| Service Code              | 201                          | 220                          | 220                          |
| Interface                 | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR |
| CVM See card defin        |                              | See card definition          | See card definition          |
| Approval Amount           | \$10.00                      | \$10.00                      | \$10.00                      |
| 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              | v1.0                         | v2.0                         | v2.0                         |

|                           | Test Card 04                 | Test Card 05                 | Test Card 06                 |
|---------------------------|------------------------------|------------------------------|------------------------------|
| Brand                     | Visa                         | Visa                         | Visa                         |
| Description               | Debit                        | Credit                       | Credit, No CVM               |
| AID                       | A000000031010                | A000000031010                | A000000031010                |
| PAN                       | 476173 ****** 0135           | 476173 ****** 0119           | 476173 ****** 0010           |
| IIN                       | 476173                       | -                            | -                            |
| Expiry Date               | 12/2022                      | 12/2022                      | 12/2022                      |
| Service Code              | 201                          | 201                          | 201                          |
| Interface                 | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR |
| CVM See card definition   |                              | See card definition          | See card definition          |
| Approval Amount           | \$10.00                      | \$10.00                      | \$10.00                      |
| 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              | v1.0                         | v3.0                         | v3.0                         |

|                           | Test Card 07                 | Test Card 08         | Test Card 09                 |
|---------------------------|------------------------------|----------------------|------------------------------|
| Brand                     | Mastercard                   | Mastercard           | Mastercard                   |
| Description Credit        |                              | Credit, ARPC Failure | Maestro Int'i                |
| AID                       | A0000000041010               | A000000041010        | A000000043060                |
| PAN                       | 541333 ****** 4111           | 541333 ****** 0011   | 679999 ******* 2010          |
| IIN                       | -                            | -                    | 679999                       |
| Expiry Date               | 12/2022                      | 12/2022              | 12/2025                      |
| Service Code              | 201                          | 201                  | 220                          |
| Interface                 | Contact, Contactless,<br>MSR | Contact, MSR         | Contact, Contactless,<br>MSR |
| СЛМ                       | See card definition          | See card definition  | See card definition          |
| 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              | v1.0                         | v3.0                 | v3.0                         |

|                              | Test Card 10  | Test Card 11                       | Test Card 12                       |
|------------------------------|---|------------------------------------|------------------------------------|
| Brand                        | Mastercard  | American Express                   | American Express                   |
| Description                  | Debit   | U.S. Profile EU Profile            |                                    |
| AID                          | A000000041010   | A000000025010402<br>A0000000291010 | A000000025010402<br>A0000000291010 |
| PAN                          | 541333 ***** 9130   | 374245 ***** 1003                  | 374245 ***** 1003                  |
| lin                          | 541333  | -                                  | -                                  |
| Expiry Date                  | 12/2022   | 12/2024                            | 12/2024                            |
| Service Code                 | 201   | 201                                | 201                                |
| Interface                    | Contact, Contactless,<br>MSR  | Contact, Contactless,<br>MSR       | Contact, Contactless,<br>MSR       |
| CVM                          | See card definition         See card definition         See card definition |                                    | See card definition                |
| 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                 | v1.0  | v3.0                               | v3.0                               |

|                           | Test Card 13                 | Test Card 14                 | Test Card 15                 |
|---------------------------|------------------------------|------------------------------|------------------------------|
| Brand                     | Visa                         | Mastercard                   | Discover                     |
| Description               | Debit Cashback               | Debit Cashback               | Offline PIN Preferring       |
| AID                       | A000000031010                | A000000041010                | A0000001523010               |
| PAN                       | 446272 ****** 0215           | 545721 ****** 0012           | 651000 ****** 0133           |
| IIN                       | 446272                       | 545721                       | -                            |
| Expiry Date               | 12/2022                      | 12/2022                      | 12/2023                      |
| Service Code              | 201                          | 201                          | 201                          |
| Interface                 | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR | Contact, Contactless,<br>MSR |
| СЛМ                       | See card definition          | See card definition          | See card definition          |
| 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              | v2.0                         | v3.0                         | v4.0                         |

|                           | Test Card 16                 |
|---------------------------|------------------------------|
| Brand                     | Diners Club                  |
| Description               | Offline PIN Preferring       |
| AID                       | A0000001523010               |
| PAN                       | 360705 **** 0046             |
| IIN                       | -                            |
| Expiry Date               | 12/2023                      |
| Service Code              | 201                          |
| Interface                 | Contact, Contactless,<br>MSR |
| СVМ                       | See card definition          |
| Approval Amount           | \$79.00                      |
| Issuer Country Code       | 826 - GBR                    |
| Application Currency Code | 826 - GBP                    |
| Language                  | 'en' - English               |
| Card Version              | v4.0                         |

## 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 Cardholder Verification Method List - AID A000000031010

| 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.

| 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            |  |

### 1.2.1 Cardholder Verification Method List - AID A000000032020

## 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 Cardholder Verification Method List - AID A000000032010

| 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 Cardholder Verification Method List - AID A000000031010

| 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 debit 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 Cardholder Verification Method List - AID A000000031010

| 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 Cardholder Verification Method List - AID A000000031010

| 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 Cardholder Verification Method List - AID A000000041010

| Cardholder Verification Method List ('4201 4403 4103 5E03 1F03') |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
| CVM  | Verification Method   | Conditions                 | If unsuccessful |
| 1  | Online PIN            | Unattended Cash            | Next CVM        |
| 2  | Offline 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 Cardholder Verification Method List (CL) - AID A000000041010

| 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 Cardholder Verification Method List - AID A000000041010

| 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'I, 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 Cardholder Verification Method List - AID A000000043060

| 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 Cardholder Verification Method List (CL) - AID A000000043060

| 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, French.

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

#### 1.10.1 Cardholder Verification Method List - AID A000000041010

| Cardholder Verification Method List ('4201 4403 4103 5E03 1F03') |                       |                            |                 |
|--|-----------------------|----------------------------|-----------------|
| CVM  | Verification Method   | Conditions                 | If unsuccessful |
| 1  | Online PIN            | Unattended Cash            | Next CVM        |
| 2  | Offline 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 Cardholder Verification Method List (CL) - AID A000000041010

| 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, U.S. Profile, Credit, EN, USA, USD

A Dual Interface (Contact / Contactless) American Express credit card with U.S. Profile and 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 Cardholder Verification Method List - AID A00000025010402

| 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 Cardholder Verification Method List (CL) - AID A00000025010402

| 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            |  |

#### 1.11.3 Cardholder Verification Method List - AID A000000291010

| 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, EUR Profile, Credit, EN, GBR, GBP

A Dual Interface (Contact / Contactless) American Express credit card with European Profile and 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 Cardholder Verification Method List - AID A00000025010402

| 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 Cardholder Verification Method List (CL) - AID A00000025010402

| 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 Cardholder Verification Method List - AID A000000291010

| 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, Contact, Debit, EN, GBR, GBP

A 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.

| -   |                       |                            |                 |  |  |
|---|-----------------------|----------------------------|-----------------|--|--|
| 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            |  |  |

### 1.13.1 Cardholder Verification Method List - AID A000000031010

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

A Mastercard credit 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 Cardholder Verification Method List - AID A000000041010

| 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 Cardholder Verification Method List (CL) - AID A000000041010

| 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 Cardholder Verification Method List - AID A0000001523010

| 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 Cardholder Verification Method List (CL) - AID A000001523010

| 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 Cardholder Verification Method List - AID A0000001523010

| 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 Cardholder Verification Method List (CL) - AID A000001523010

| 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            |  |