

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

Version 13.00

April 2023



To view *Technical* document online, scan QR Code below.



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™ Test Card Set (16 cards) only.

Attribution

EMV™ is a trademark owned by EMVCo LLC.

All trademarked symbols seen below are registered trademarks of their respective organizations: American Express Company, Discover Financial Services, Mastercard International Incorporated and Visa Inc.











B2 Contact Information

Canada

251 Consumers Road, Suite 1200, Toronto, ON M2J 4R3

Tel: 416.730.9827

U.S.A.

1615 S. Congress Avenue, Suite 103, Delray Beach, FL 33445

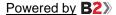
Tel: 470.233.7374

Revision History

Version	Date	Updated By	Revisions
1.00	July 13, 2017	B2PS	Initial document release
2.00	July 21, 2017	B2PS	TC13, TC14 now v2.0 - based on contactless cardstock
			TC07, TC10, TC11, TC12 - added missing CVM contactless tables
			Country and Currency errors corrected.
3.00	August 16, 2017	B2PS	TC02, TC03, TC05, TC06, TC08, TC09 now dual interface and v2.0
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	TC15, tag table now reflects card version (v3.0) 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 changed to 24/12
			Discover, Diners cards (TC15, TC16) - Expiry date changed to 23/12
6.00	October 10, 2018	B2PS	All cards - Tags 82, 9F07, 9F69 expanded & interpreted
			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	Set renamed to "UAT UK EMV Test Card Set". No change to cards themselves.
9.00	September 15, 2020	B2PS	TC01-TC10, TC13, TC14 – updated cardstock support, where applicable "MasterCard" > "Mastercard"
10.00	March 30, 2021	B2PS	• TC07, TC08, TC10, TC14 - change Expiry Date to 25/12
11.00	January 14, 2022	B2PS	TC01-TC06, TC13 - Visa cards change Expiry Date to 24/12
			All EMV cards - tag 9F0A added
12.00	September 14, 2022	B2PS	TC15, TC16 – Discover, Diners cards change PAN, expiry date to 26/05
13.00	April 6, 2023	B2PS	TC08, TC11, TC02 - New cardstock (no functional change)

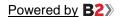
Table of Contents

Chapte	er 1 - User Acceptance Test U.K. Test Card Set Profiles	3
1.1	Test Card 01 - Visa, DI, High-Value, Credit, EN, GBR, GBP	7
	1.1.1 Contact: CVM List - AID A000000031010, Visa (EMV)	7
1.2	Test Card 02 - Visa, DI, VPAY, Debit, EN, GBR, GBP	7
	1.2.1 Contact: CVM List - AID A000000032020, Visa (EMV)	7
1.3	Test Card 03 - Visa, DI, Electron, EN, GBR, GBP	7
	1.3.1 Contact: CVM List - AID A000000032010, Visa (EMV)	7
1.4	Test Card 04 - Visa, DI, Debit, English, EN, GBR, GBP	8
	1.4.1 Contact: CVM List - AID A000000031010, Visa (EMV)	8
1.5	Test Card 05 - Visa, DI, Signature, Credit, EN, GBR, GBP	8
	1.5.1 Contact: CVM List - AID A000000031010, Visa (EMV)	8
1.6	Test Card 06 - Visa, DI, No CVM, Credit, EN, GBR, GBP	8
	1.6.1 Contact: CVM List - AID A000000031010, Visa (EMV)	8
1.7	Test Card 07 - Mastercard, DI, Credit, EN, GBR, GBP	9
	1.7.1 Contact: CVM List - AID A0000000041010, Mastercard (EMV)	9
	1.7.2 CTLS: CVM List - AID A0000000041010, Mastercard (PayPass)	9
1.8	Test Card 08 - Mastercard, Contact, Fail ARPC, Credit, EN, GBR, GBP	9
	1.8.1 Contact: CVM List - AID A000000041010, EN, GBR, GBP	9
1.9	Test Card 09 - Mastercard, DI, Maestro Int'I, Debit, EN, GBR, GBP	10
	1.9.1 Contact: CVM List - AID A000000043060, Maestro (EMV)	10
	1.9.2 CTLS: CVM List - AID A0000000043060, Maestro (PayPass)	10
1.10	Test Card 10 - Mastercard, DI, Debit, EN, GBR, GBP	
	1.10.1 Contact: CVM List - AID A000000041010, Mastercard (EMV)	10
	1.10.2 CTLS: CVM List - AID A0000000041010, Mastercard (PayPass)	10
1.11	Test Card 11 - Amex, DI, Credit, EN, USA, USD	
	1.11.1 Contact: CVM List - AID A00000025010402, Amex (EMV)	11
	1.11.2 CTLS: CVM List - AID A0000025010402, Amex (ExpressPay EMV) 1.11.3 Contact: CVM List - AID A0000000291010, Amex (EMV)	11 11
4.40		
1.12	Test Card 12 - Amex, DI, Credit, EN, GBR, GBP	11 11
	1.12.1 COMILEST - AID A000000025010402, AMEX (EMV) 1.12.2 CTLS: CVM List - AID A000000025010402, Amex (ExpressPay EMV)	12
	1.12.3 Contact: CVM List - AID A000000291010, Amex (EMV)	12
1.13	Test Card 13 - Visa, DI, Debit, EN, GBR, GBP	
	1.13.1 Contact: CVM List - AID A000000031010, Visa (EMV)	12
1.14	Test Card 14 - Mastercard, DI, Debit, EN, BEL, EUR	
	1.14.1 CVM List - AID A000000041010, Mastercard (EMV)	13
	1.14.2 CTLS: CVM List - AID A000000041010 Mastercard (PayPass)	13
1.15	Test Card 15 - Discover, DI, Credit, EN, GBR, GBP	
	1.15.1 Contact: CVM List - AID A0000001523010, Discover (EMV)	13
	1.15.2 CTLS: CVM List - AID A000001523010, Discover (D-PAS EMV)	13
	1.15.3 CTLS: CVM List - AID A000001523010, Discover (D-PAS FMV)	14





1.16	Test Ca	rd 16 - Diners, DI, Credit, EN, GBR, GBP	. 14
	1.16.1	Contact: CVM List - AID A0000001523010, Diners (EMV)	14
	1.16.2	CTLS: CVM List - AID A000001523010, Diners (D-PAS EMV Online)	14
	1 16 3	CTLS: CVM List - AID A000001523010, Diners (D-PAS EMV Offline)	14



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.



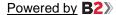








	Test Card 01	Test Card 02	Test Card 03
Brand	Visa	Visa	Visa
Description	Credit, High-Value	Debit, V PAY	Electron
AID	A000000031010	A000000031020	A000000031010
PAN list	4761******0043	4761******0043	4761******0043
Expiry Date	12/2024	12/2024	12/2024
Service Code	201	220	220
Interface	Contact, Contactless, MSR	Contact, Contactless, MSR	Contact, Contactless, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition	Online PIN (ATM) Offline Plaintext PIN Online PIN No CVM required See card definition	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition
Approval Amount	\$10.00	\$10.00	\$10.01
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	v4.x	v4.x



	Test Card 04	Test Card 05	Test Card 06
Brand	Visa	Visa	Visa
Description	Debit	Credit	Credit, No CVM
AID	A000000031010	A000000031010	A000000031010
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) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition	Online PIN (ATM) Online PIN Signature No CVM required See card definition	No CVM required See card definition
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	A000000041010	A000000041010	A000000043060
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) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Signature No CVM required See card definition	Signature No CVM required See card definition	Online PIN (ATM) Offline Plaintext PIN Online PIN No CVM required See card definition
		\$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

Powered by **B2**»

	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 A00000000291010	A000000025010402 A00000000291010
PAN	5413******9130	3742*****71003	3742*****71003
Expiry Date	12/2025	12/2024	12/2024
Service Code	201	201	201
Interface	Contact, Contactless, MSR	Contact, Contactless, MSR	Contact, Contactless, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Signature No CVM required See card definition	Online PIN (ATM) Signature Offline Plaintext PIN No CVM required See card definition	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition
Approval Amount	\$20.00	\$3.02	\$3.02
Issuer Country Code	826 - GBR	840 - USA	826 - GBR
Application 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		Test Card 15
Brand	Visa	Mastercard	Discover
Description	Debit Cashback	Debit Cashback	Offline PIN Preferring
AID	A000000031010	A000000041010	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, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Offline Plaintext PIN Signature Online PIN No CVM required- See card definition	Offline Plaintext PIN Online PIN Signature No CVM required- See card definition	Online PIN (ATM) Offline Plaintext PIN No CVM required See card definition
Approval Amount \$10.00 \$20.00		\$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	v6.x

Powered by **B2**»

	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) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Plaintext PIN No CVM required See card definition
Approval Amount	\$79.00
Issuer Country Code	826 - GBR
Application Currency Code	826 - GBP
Language	'en' - English
Card Version	v6.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)

Cardho	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	

Powered by **B2**

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 2nd 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'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 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 A000000025010402, 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)

Cardho	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 A000000025010402, 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 A000000025010402, 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	

1.12.3 Contact: CVM List - AID A0000000291010, 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 A0000001523010, 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 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	

1.16 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 A0000001523010, 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 A000001523010, 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 A000001523010, 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	