Dual Interface
EMV™ Test Card Set
Summary

Version 4.00

March 2022

Powered by B2»

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Revision History

Version	Date	Updated By	Revisions
1.00	27-Oct-2014	B2PS	Document creation (6 Dual Interface (DI) cards descriptions)
1.10	28-Nov-14	B2PS	Document cleanup Added short card description Removed dynamic tags from tag lists`
1.11	30-Jan-15	B2PS	Corrected MasterCard & Visa PANs in Test Card Profiles Corrected Application Expiration Dates for MasterCard. Updated various EMV Tags for Test Card 06 (now v.1.10)
1.12	31-Mar-15	B2PS	Cosmetic changes Corrected Card 06 Contact Version Number
1.20	17-Nov-15	B2PS	All Visa cards converted to new VSDC cardstock. Visa tags updated. CVM list added for all cards.
1.30	26-Aug-16	B2PS	Correct format of CVM Table in Cards 01, 02 Tag 8E provided in CVM table for each card Transaction Values added TOC formatting adjusted for readability with new CVM Title page made consistent with other documents Layout made suitable for duplex printing Added PINBlock warning text
2.00	06-Nov-20	B2PS	All cards – updated cardstock support, where applicable "MasterCard" > "Mastercard"
3.00	26-Mar-21	B2PS	Mastercards have longer Issuer Public Key Certificate
4.00	02-Mar-22	B2PS	TC01, TC03, TC05 – PAN, Expiry Date changes

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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 ***       │
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Chapter 1 -   B2 Dual Interface Test Card Profiles

Cards in the B2 Dual Interface (DI) Test Card Set have EMV Contact, EMV Contactless and magnetic stripe interfaces. Cards may be inserted, tapped or swiped.

All cards share the following attributes:

- **Interfaces**:   Contact, Contactless, Magstripe
- **Language Preference**:   English
- **Service Code**:   201
- **Issuer Country Code**:   840 - USA
- **Currency Code**:   840 - USD

	DI Test Card 01	DI Test Card 03	DI Test Card 05
Brand	Visa	Visa	Visa
Card Type	Online Only	Online Preferred	Offline Preferred
AID	A0000000031010	A0000000031010	A0000000031010
PAN	4761 ******** 0011	4761 ******** 0043	4761 ******** 0043
Expiry Date	12/2024	12/2024	12/2024
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN (ATM) Online PIN (MCash) Signature (paper) Fail CVM processing Signature No CVM required See Card Definition	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Online PIN Signature No CVM required See Card Definition	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Online PIN Signature No CVM required See Card Definition
Approval Amount	$10.00	$10.00	$10.00
Card Version	v3.x	v3.x	v3.x

	DI Test Card 02	DI Test Card 04	DI Test Card 06
Brand	Mastercard	Mastercard	Mastercard
Card Type	Online Only	Online Preferred	Offline Preferred
AID	A0000000041010	A0000000041010	A0000000041010
PAN	5413 ******** 4111	5413 ******** 4111	5413 ******** 4111
Expiry Date	12/2025	12/2025	12/2025
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN Signature No CVM required See Card Definition	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Online PIN Signature No CVM required See Card Definition	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Online PIN Signature See Card Definition
Approval Amount	$20.00	$20.00	$20.00
Card Version	v3.x	v3.x	v3.x

1.1   DI Test Card 01 - Visa, Online Only

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

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

1.1.1   Contact: CVM List - AID A0000000031010, Visa (EMV)

Cardholder Verification Method List ('0201 4204 1E04 0005 5E00 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended cash	Fail
2	Online PIN	Manual cash	Next CVM
3	Signature (paper)	Manual cash	Fail
4	Fail CVM processing	Purchase with cashback	Fail
5	Signature (paper)	Always	Next CVM
6	No CVM required	Always	Fail

1.2   DI Test Card 02 - Mastercard, Online Only

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

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

1.2.1   Contact: CVM List - AID A0000000041010, Mastercard (EMV)

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

1.2.2   CTLS: CVM List - AID A0000000041010, Mastercard (PayPass)

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

1.3   DI Test Card 03 - Visa, Online Preferred

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

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

1.3.1   Contact: CVM List - AID A0000000031010, Visa (EMV)

Cardholder Verification Method List ('4201 4403 4103 4203 1E03 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	Online PIN	Terminal supports CVM type	Next CVM
5	Signature (paper)	Terminal supports CVM type	Fail
6	No CVM required	Terminal supports CVM type	Fail

1.4   DI Test Card 04 - Mastercard, Online Preferred

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

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

1.4.1   Contact: CVM List - AID A0000000041010, Mastercard (EMV)

Cardholder Verification Method List ('4201 4403 4103 4203 1E03 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	Online PIN	Terminal supports CVM type	Next CVM
5	Signature (paper)	Terminal supports CVM type	Fail
6	No CVM required	Terminal supports CVM type	Fail

1.4.2   CTLS: CVM List - AID A0000000041010, Mastercard (PayPass)

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

1.5   DI Test Card 05 - Visa, Offline Preferred

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

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

1.5.1   Contact: CVM List - AID A0000000031010, Visa (EMV)

Cardholder Verification Method List ('4201 4403 4103 4203 1E03 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	Online PIN	Terminal supports CVM type	Next CVM
5	Signature (paper)	Terminal supports CVM type	Fail
6	No CVM required	Terminal supports CVM type	Fail

1.6   DI Test Card 06 - Mastercard, Offline Preferred

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

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

1.6.1   Contact: CVM List - AID A0000000041010, Mastercard (EMV)

Cardholder Verification Method List ('4201 4403 4103 4203 1E03 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	Online PIN	Terminal supports CVM type	Next CVM
5	Signature (paper)	Terminal supports CVM type	Fail
6	No CVM required	Terminal supports CVM type	Fail

1.6.2   CTLS: CVM List - AID (A0000000041010, Mastercard (PayPass)

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