B2»

Development (DEV) Canada EMV™ Test Card Set Summary

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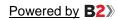1615 S. Congress Avenue, Suite 103, Delray Beach, FL 33445
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Revision History

Version	Date	Updated By	Revisions
5.00	May 03, 2016	B2PS	Initial document release
5.01	May 25, 2016	B2PS	• Transaction Values added. Various consistency, typographical, format corrections.
5.02	July 15, 2016	B2PS	• TC 05, TC 06 - Service code in profiles table corrected • TC 07 - AID in profiles table corrected Formatting changes to Table of Contents
5.10	August 29, 2016	B2PS	Duplex-print ready: Header, Margins, tables adjusted
5.20	Sept. 21, 2017	B2PS	TC08: Card v6.0 has 2-byte Kernel ID
6.00	January 4, 2018	B2PS	• TC02 - New version v6.0: Discretionary data updated (CVV) • TC07 - EMV Tags for AID A0000000291010 added • TC08 - New version v7.0: Increased contactless facility, 'Approval Amount' updated.
7.00	October 4, 2018	B2PS	• All cards - Tags 82, 9F07, 9F69 expanded & interpreted • Amex card TC07 - Expiry date changed to 24/12 • Discover card TC08 - Expiry date changed to 23/12
8.00	February 27, 2019	B2PS	• TC08 - Tag 57 expiry date corrected
9.00	May 29, 2019	B2PS	• TC07 - PAN changed - now ends in '41007', Approval amount changed, AIP contactless changed
9.01	June 7, 2019	B2PS	• Set renamed to "DEV Canada EMV Test Card Set". No change to cards themselves.
10.00	July 31, 2020	B2PS	• TC01, TC03 – updated cardstock support; where applicable, "MasterCard">"Mastercard" • TC05 - Now Offline Enciphered PIN
11.00	April 14, 2021	B2PS	• TC03, TC04 - Expiry Date change
12.00	January 25, 2022	B2PS	• TC01, TC02 - Expiry Date change • TC05, TC06 - New BIN PAN, Dual Interface

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Chapter 1 - DEV Canada EMV Test Card Set Profiles

This Development (DEV) Canada EMV Test Card Set contains 8 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	Mastercard
Type	Credit	Credit	Credit
Description	Offline Capable	Fallback	Mastercard
AID	A0000000031010	-	A0000000041010
PAN	4761********0043	4761********0267	5413********4111
Expiry Date	12/2024	12/2024	12/2025
Service Code	201	201	201
Interface	Contact, Contactless, MSR	MSR	Contact, Contactless, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required See card definition	- See card definition	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Signature No CVM required See card definition
Approval Amount	$10.00	$10.00	$20.00
Issuer Country Code	124 - Canada	-	124 - Canada
Application Currency Code	124 - CAD	-	124 - CAD
Language	'en' - English	-	'fr' - French
Card Version	v7.x	v7.x	v7.x

	Test Card 04	Test Card 05	Test Card 06
Brand	Mastercard	Interac	Interac
Type	Credit	Debit	Debit
Description	Fallback	Canadian Debit	Canadian Debit
AID	-	A0000002771010	A0000002771010
PAN	5413********0029	0012*****0001	0012*****0001
Expiry Date	12/2025	12/2028	12/2028
Service Code	201	220	220
Interface	MSR	Contact, Contactless, MSR	Contact, Contactless, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	- See card definition	Offline Enciphered PIN Offline Plaintext PIN Online PIN See card definition	Offline Enciphered PIN Offline Plaintext PIN Online PIN See card definition
Approval Amount	$20.00	$10.00	$10.00
Issuer Country Code	-	124 - Canada	124 - Canada
Application Currency Code	-	124 - CAD	124 - CAD
Language	-	'enfr' – English, French	'fren' – French, English
Card Version	v6.x	v7.x	v6.x

	Test Card 07	Test Card 08
Brand	American Express	Discover
Type	Credit	Credit
Description	Online Only	Discover Credit
AID	A000000025010402, A0000000291010	A0000001523010
PAN	3742*******1007	6510********0216
Expiry Date	12/2024	12/2023
Service Code	201	201
Interface	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 No CVM required See card definition
Approval Amount	$30.00	$79.00
Issuer Country Code	124 - Canada	840 - USA
Application Currency Code	124 - CAD	840 - USD
Language	'en' - English	'en' - English
Card Version	v7.x	v9.x

1.1   Test Card 01 - Visa, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) Visa credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

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

CVM 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	Always	Fail

1.2   Test Card 02 - Visa, Technical Fallback Card

This card has a chip image printed on the card but it does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical Fallback transaction.

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

Note: The test host may Approve / Decline based on its configuration with respect to CVV processing.

1.3   Test Card 03 - Mastercard, DI, Credit, French, Canada, CAD

A Dual Interface (Contact / Contactless) Mastercard credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

1.3.1 Contact: CVM List - AID A0000000041010, 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

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

CVM	Verification Method	Conditions	If unsuccessful
Cardholder Verification Method List ('4201 4403 4103 5E03 1F03')			
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

1.4   Test Card 04 - Mastercard, Technical Fallback Card

This card has a chip image printed on the card but it does not contain an actual chip.

When inserted, a chip error will be detected.

This should trigger Technical Fallback processing and the transaction should continue as a magstripe Technical Fallback transaction.

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

1.5   Test Card 05 - Interac, DI, Debit, Eng/Fre, Canada, CAD

A Dual Interface (Contact / Contactless) Interac debit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

1.5.1 Contact: CVM List - AID A0000002771010, Interac (EMV)

CVM	Verification Method	Conditions	If unsuccessful
Cardholder Verification Method List ('0403 0103 0203)			
1	Offline Enciphered PIN	Always	Fail
2	Offline Plaintext PIN	Terminal Supports CVM type	Fail
3	Online PIN	Terminal Supports CVM type	Fail

1.6   Test Card 06 - Interac, DI, Debit, Fre/Eng, Canada, CAD

A Dual Interface (Contact / Contactless) Interac debit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

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

1.6.1 Contact: CVM List - AID A0000002771010, Interac (EMV)

CVM	Verification Method	Conditions	If unsuccessful
Cardholder Verification Method List ('('0403 0103 0203')			
1	Offline Enciphered PIN	Always	Fail
2	Offline Plaintext PIN	Terminal Supports CVM type	Fail
3	Online PIN	Terminal Supports CVM type	Fail

1.7   Test Card 07 - American Express, DI, Credit, English, Canada, CAD

A Dual Interface (Contact / Contactless) American Express credit card with Issuer Country Code of 'Canada' and Currency Code of 'CAD'.

The recommended transaction amount to generate a host approval is $30.00

1.7.1 Contact: CVM List - 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	Next CVM

1.7.2 CTLS: CVM List - A000000025010402, Amex (ExpressPay)

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

1.7.3 Contact: CVM List - A0000000291010, Amex (EMV)

Cardholder Verification Method List ('4201 4203 5E03 5F03')			
CVM	**Verification Method**	**Conditions**	**If unsuccessful**
1	Online PIN	Unattended Cash	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	Signature (paper)	Terminal supports CVM type	Next CVM
4	No CVM required	Terminal supports CVM type	Next CVM

1.8   Test Card 08 - Discover, DI, Credit, English, USA, USD

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

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

1.8.1 Contact: CVM List - 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

1.8.2 CTLS: CVM List - A0000001523010, 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