



# iQmetrix UAT EMV™ Test Card Set Summary

Version 1.00

January 2023

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## Revision History

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1.00	January 9, 2023	B2PS	<ul style="list-style-type: none"><li>• Initial document release</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 \*\*\***

**IMPORTANT NOTICES**

The Interac Flash test card in this set (Test Card 07) have a '001203' BIN range. These cards are supported by all Canadian processors but are not *necessarily* supported by all U.S. and International processors.

**\*\*\*\* Check with your acquirer account representative to determine if this Interac Flash BIN range is supported by their development host. If your processor does not yet support Interac Flash, the card will function properly at the POS device but it will not obtain a host approval. \*\*\*\***

**IMPORTANT TECHNICAL NOTICE from Interac – ACQUIRERS' SUPPORT**

Link to Interac document: [Interac Letter - Issuer simulator setup for Flash Cards](#)

"When using the contact interface in an Acquirer test environment, the Issuer simulator must be configured to return value '88 40' in ARPCrc response (ARPCrc byte 1 bits 6-3 should be set to zero).

***Unless issuer simulator is configured to return '88 40', a contact transaction may block the card."***

***--- B2 will charge to replace cards blocked in this manner ---***

## Chapter 1 - iQmetrix UAT EMV Test Card Set Profiles

This iQmetrix User Acceptance Testing (UAT) EMV Test Card Set contains 8, all from the following card brands.



	Test Card 01	Test Card 02	Test Card 03
Brand	Visa	Visa	Visa
Type	Credit	Credit	Debit
AID	A0000000031010	A0000000031010	A0000000031010 A0000000980840
PAN	4761 ***** 0011	4761 ***** 0043	4761 ***** 0135
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 Signature No CVM required <a href="#">See card definition</a>	Online PIN (ATM) Offline Plaintext PIN Signature No CVM required <a href="#">See card definition</a>	Online PIN (ATM) Online PIN (MCash) Signature (MCash) Online PIN (CBack) Signature Online PIN No CVM required <a href="#">See card definition</a>
Approval Amount	\$10.00	\$10.00	\$10.00
Issuer Country Code	840 - USA	840 - USA	840 - USA
Application Currency Code	840 - USD	840 - USD	840 - USD
Language(s)	'en' - English	'en' - English	'en' - English
Card Version	v1.x	v1.x	v1.x

	Test Card 04	Test Card 05	Test Card 06
Brand	Mastercard	Mastercard	Amex
Type	Credit	Credit	Credit
AID	A0000000041010	A0000000041010	A000000025010402 A0000000291010
PAN	5413 ***** 4111	2223 ***** 0329	3742 ***** 1006
Expiry Date	12/2025	12/2025	12/2024
Service Code	201	201	201
Interface	Contact, Contactless, MSR	Contact, MSR	Contact, Contactless, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Online PIN (ATM) Signature No CVM required <a href="#">See card definition</a>	Online PIN (ATM) Offline Enciphered PIN Offline Plaintext PIN Signature No CVM required <a href="#">See card definition</a>	Online PIN (ATM) Online PIN Signature No CVM required <a href="#">See card definition</a>
Approval Amount	\$20.00	\$20.00	\$1.03
Issuer Country Code	840 - USA	840 - USA	840 - USA
Application Currency Code	840 - USD	840 - USD	840 - USD
Language(s)	'en' - English	'en' - English	'en' - English
Card Version	v1.x	v1.x	v1.x

	Test Card 07	Test Card 08
Brand	Interac	DNA
Type	Debit	Debit
AID	A0000002771010	A0000006200620
PAN	0012 ***** 0003	4000 ***** 0028
Expiry Date	12/2028	12/2025
Service Code	220	201
Interface	Contact, Contactless, MSR	Contact, MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Offline Enciphered PIN Offline Plaintext PIN Online PIN <a href="#">See card definition</a>	Online PIN (ATM) Online PIN (MCash) Signature No CVM required <a href="#">See card definition</a>
Approval Amount	\$10.00	\$10.00
Issuer Country Code	124 - Canada	840 - USA
Application Currency Code	124 - CAD	840 - USD
Language(s)	'enfr' – English, French	'en' - English
Card Version	v1.x	v1.x

## 1.1 Test Card 01 - Visa, DI, Credit, English, USA, USD

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 (EMV)

Cardholder Verification Method List ('4203 5E03 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Terminal supports CVM type	Next CVM
2	Signature (paper)	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Fail

## 1.2 Test Card 02 - Visa, DI, Credit, English, USA, USD

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.

### 1.2.1 Contact: CVM List - AID A0000000031010 (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

## 1.3 Test Card 03 - Visa, DI, Debit, English, USA, USD

A Dual Interface (Contact / Contactless) Visa debit 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 (EMV)

Cardholder Verification Method List ('0201 4204 1E04 0205 5E00 4200 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	Online PIN	Cashback	Fail
5	Signature (paper)	Always	Next CVM
6	Online PIN	Always	Next CVM
7	No CVM required	Terminal supports CVM type	Fail



## 1.4 Test Card 04 - Mastercard, DI, Credit, English, USA, USD

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 (EMV)

Cardholder Verification Method List ('4201 5E03 1F03')			
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	Terminal supports CVM type	Fail

### 1.4.2 CTLS: CVM List - AID A0000000041010 (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

## 1.5 Test Card 05 - Mastercard, DI, Credit, English, USA, USD

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.

### 1.5.1 Contact: CVM List - AID A0000000041010 (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

## 1.6 Test Card 06 - Amex, DI, Credit, English, USA, USD

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

The recommended transaction amount to generate a host approval is \$1.03.

### 1.6.1 Contact: CVM List - AID A00000025010402 (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	Fail

### 1.6.2 CTLS: CVM List - AID A00000025010402 (Expresspay)

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	Fail

### 1.6.3 CTLS: CVM List - AID A000000291010 (Expresspay)

Cardholder Verification Method List ('5E03 1F03')			
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

## 1.7 Test Card 07 - 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'.

Merchant Type Indicator (MTI) Limits (tags 9F52, 9F54, 9F55, 9F56, 9F57) all set to \$250.01.

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

### 1.7.1 Contact: CVM List - AID A0000002771010 (EMV)

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

## 1.8 Test Card 08 - DNA, CO, Debit, English, USA, USD

A Contact-Only DNA debit card with Issuer Country Code of 'USA' and Currency Code of 'USD'. The recommended transaction amount to generate a host approval is \$10.00.

### 1.8.1 Contact: CVM List - AID A0000006200620 (EMV)

Cardholder Verification Method List ('0201 0204 0203 1F03')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Fail
2	Online PIN	Manual Cash	Fail
3	Signature (paper)PIN	Terminal supports CVM type	Fail
4	No CVM required	Terminal supports CVM type	Fail