Moneris Transit
EMV™ Test Card Set Summary

Version 1.00
November 2021

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## Revision History

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<thead>
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<th>Date</th>
<th>Updated By</th>
<th>Revisions</th>
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<td>November 22, 2021</td>
<td>B2PS</td>
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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 ***

Chapter 1 - Moneris Transit EMV Test Card Set Profiles

This Moneris Transit EMV Test Card Set contains 11 cards with several cards from each of the following card brands.

<table>
<thead>
<tr>
<th>VISA 01</th>
<th>VISA 02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Visa</td>
</tr>
<tr>
<td>Type</td>
<td>Credit</td>
</tr>
<tr>
<td>AID</td>
<td>A0000000031010</td>
</tr>
<tr>
<td>PAN</td>
<td>4761 7321 7583 4166</td>
</tr>
<tr>
<td>Expiry Date</td>
<td>12/2029</td>
</tr>
<tr>
<td>Service Code</td>
<td>201</td>
</tr>
<tr>
<td>Interface</td>
<td>Contact, Contactless, MSR</td>
</tr>
<tr>
<td>CVM (Contact) Default Condition: Terminal Supports CVM</td>
<td>Online PIN (ATM) Offline Plaintext PIN Signature NO CVM required See card definition</td>
</tr>
<tr>
<td>Cardholder Name</td>
<td>“Byron Kent”</td>
</tr>
<tr>
<td>Approval Amount</td>
<td>$10.00</td>
</tr>
<tr>
<td>Issuer Country Code</td>
<td>124 - Canada</td>
</tr>
<tr>
<td>Application Currency Code</td>
<td>124 - CAD</td>
</tr>
<tr>
<td>Language(s)</td>
<td>‘en’ - English</td>
</tr>
<tr>
<td>Card Version</td>
<td>1</td>
</tr>
</tbody>
</table>

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 ***
### Moneris Transit EMV Test Card Set Summary

<table>
<thead>
<tr>
<th></th>
<th>MASTERCARD 01</th>
<th>MASTERCARD 02</th>
<th>MASTERCARD 03</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brand</strong></td>
<td>Mastercard</td>
<td>Mastercard</td>
<td>Mastercard</td>
</tr>
<tr>
<td><strong>Type</strong></td>
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<td>Credit</td>
<td>Credit</td>
</tr>
<tr>
<td><strong>AID</strong></td>
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<td>A0000000041010</td>
<td>A0000000041010</td>
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<tr>
<td><strong>PAN</strong></td>
<td>5413 3351 2040 6848</td>
<td>5413 3399 0876 7140</td>
<td>5413 3353 3551 0467</td>
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<td>12/2029</td>
<td>12/2029</td>
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<tr>
<td><strong>Service Code</strong></td>
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<td>201</td>
<td>201</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>Contact, Contactless, MSR</td>
<td>Contact, Contactless, MSR</td>
<td>Contact, Contactless, MSR</td>
</tr>
<tr>
<td><strong>CVM (Contact) Default Condition:</strong></td>
<td><strong>Terminal Supports CVM</strong></td>
<td><strong>Terminal Supports CVM</strong></td>
<td><strong>Terminal Supports CVM</strong></td>
</tr>
<tr>
<td><strong>Online PIN (ATM)</strong></td>
<td><strong>Signature</strong></td>
<td><strong>Signature</strong></td>
<td><strong>Signature</strong></td>
</tr>
<tr>
<td><strong>NO CVM required</strong></td>
<td><strong>See card definition</strong></td>
<td><strong>See card definition</strong></td>
<td><strong>See card definition</strong></td>
</tr>
<tr>
<td><strong>Cardholder Name</strong></td>
<td>“Mo Markus”</td>
<td>“Melissa Baker”</td>
<td>“Lou Nguyen”</td>
</tr>
<tr>
<td><strong>Approval Amount</strong></td>
<td>$10.00</td>
<td>$20.00</td>
<td>$20.00</td>
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<tr>
<td><strong>Issuer Country Code</strong></td>
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<td>124 - Canada</td>
<td>124 - Canada</td>
</tr>
<tr>
<td><strong>Application Currency Code</strong></td>
<td>124 - CAD</td>
<td>124 - CAD</td>
<td>124 - CAD</td>
</tr>
<tr>
<td><strong>Language(s)</strong></td>
<td>‘en’ - English</td>
<td>‘fr’ - French</td>
<td>‘en’ - English</td>
</tr>
<tr>
<td><strong>Card Version</strong></td>
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<table>
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<tr>
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<td>Credit</td>
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<td>A000000025010403</td>
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<td><strong>PAN</strong></td>
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<td>3742 453334 20056</td>
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<tr>
<td><strong>Interface</strong></td>
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<td>Contact, Contactless, MSR</td>
</tr>
<tr>
<td><strong>CVM (Contact) Default Condition:</strong></td>
<td><strong>Terminal Supports CVM</strong></td>
<td><strong>Terminal Supports CVM</strong></td>
</tr>
<tr>
<td><strong>Online PIN (ATM)</strong></td>
<td><strong>Offline Enciphered PIN</strong></td>
<td><strong>Offline Enciphered PIN</strong></td>
</tr>
<tr>
<td><strong>Signature</strong></td>
<td><strong>Offline Plaintext PIN</strong></td>
<td><strong>Offline Plaintext PIN</strong></td>
</tr>
<tr>
<td><strong>NO CVM required</strong></td>
<td><strong>(NOT ATM, MCash or CashB)</strong></td>
<td><strong>(NOT ATM, MCash or CashB)</strong></td>
</tr>
<tr>
<td><strong>Fail CVM Processing</strong></td>
<td><strong>See card definition</strong></td>
<td><strong>See card definition</strong></td>
</tr>
<tr>
<td><strong>Cardholder Name</strong></td>
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<td>“MICHELLE CHAN”</td>
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<td>$1.03</td>
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<td><strong>Card Version</strong></td>
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<td>INTERAC 02</td>
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<tr>
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<td>Interac</td>
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<td>Debit</td>
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<td>0012 9995 3657 6704</td>
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<td>Interface</td>
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<td>Contact, Contactless, MSR</td>
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<td>CVM (Contact)</td>
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<td>Offline Enciphered PIN</td>
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<tr>
<td>Default Condition: Terminal Supports CVM</td>
<td>Offline Plaintext PIN Online PIN See card definition</td>
<td>Offline Plaintext PIN Online PIN See card definition</td>
</tr>
<tr>
<td>Cardholder Name</td>
<td>&quot;PHIL KHALID&quot;</td>
<td>&quot;SHIRLEY KING&quot;</td>
</tr>
<tr>
<td>Approval Amount</td>
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<td>$10.00</td>
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<tr>
<td>Issuer Country Code</td>
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<td>124 - Canada</td>
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<tr>
<td>Application Currency Code</td>
<td>124 - CAD</td>
<td>124 - CAD</td>
</tr>
<tr>
<td>Language(s)</td>
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<td>'en' - English</td>
</tr>
<tr>
<td>Card Version</td>
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<tr>
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<td>Interac</td>
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<td>Type</td>
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<td>Debit</td>
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<tr>
<td>AID</td>
<td>A0000002771010</td>
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</tr>
<tr>
<td>PAN</td>
<td>0012 9993 4101 5872</td>
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<td>Expiry Date</td>
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<td>12/2028</td>
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<tr>
<td>Service Code</td>
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<td>220</td>
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<tr>
<td>Interface</td>
<td>Contact, Contactless, MSR</td>
<td>Contact, Contactless, MSR</td>
</tr>
<tr>
<td>CVM (Contact)</td>
<td>Offline Enciphered PIN</td>
<td>Offline Enciphered PIN</td>
</tr>
<tr>
<td>Default Condition: Terminal Supports CVM</td>
<td>Offline Plaintext PIN Online PIN See card definition</td>
<td>Offline Plaintext PIN Online PIN See card definition</td>
</tr>
<tr>
<td>Cardholder Name</td>
<td>&quot;LANDO JACKSON&quot;</td>
<td>&quot;ED SWIFT&quot;</td>
</tr>
<tr>
<td>Approval Amount</td>
<td>$10.00</td>
<td>$10.00</td>
</tr>
<tr>
<td>Issuer Country Code</td>
<td>124 - Canada</td>
<td>124 - Canada</td>
</tr>
<tr>
<td>Application Currency Code</td>
<td>124 - CAD</td>
<td>124 - CAD</td>
</tr>
<tr>
<td>Language(s)</td>
<td>'fr' - French</td>
<td>'fr' - French</td>
</tr>
<tr>
<td>Card Version</td>
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<td>1</td>
</tr>
</tbody>
</table>
1.1  **VISA 01 – DI, Credit, English, Canada, CAD**

A Dual Interface 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 CVM List - AID A0000000031010, Visa (EMV)

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>4</td>
<td>NO CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

### 1.1.2 No CTLS CVM List - AID A0000000031010, Visa (qVSDC, online)

### 1.1.3 No CTLS CVM List - AID A0000000031010, Visa (qVSDC, offline)

1.2  **VISA 02 – DI, Credit, English, Canada, CAD**

A Dual Interface 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.

### 1.2.1 CVM List - AID A0000000031010, Visa (EMV)

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>4</td>
<td>NO CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

### 1.2.2 No CTLS CVM List - AID A0000000031010, Visa (qVSDC, online)

### 1.2.3 No CTLS CVM List - AID A0000000031010, Visa (qVSDC, offline)
1.3  **MASTERCARD 01 – DI, Credit, English, CAN, CAD**

A Dual Interface 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.

1.3.1  **CVM List (Contact) - AID A0000000041010, Mastercard (EMV)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>NO CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>No CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.4  **MASTERCARD 02 – DI, Credit, French, CAN, CAD**

A Dual Interface 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  **CVM List (Contact) - AID A0000000041010, Mastercard (EMV)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>NO CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>No CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
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1.5 **MASTERCARD 03 – DI, Credit, English, CAN, CAD**

A Dual Interface 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 **CVM List (Contact) - AID A0000000041010, Mastercard (EMV)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>NO CVM required</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.6 **AMEX 01 – DI, Credit, English, CAN, CAD**

A Dual Interface Amex 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.

1.6.1 **CVM List (Contact) - AID A000000025010403, Amex (EMV)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
</tr>
<tr>
<td>2</td>
<td>Offline Enciphered PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>4</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>5</td>
<td>NO CVM required</td>
<td>Not Unattended Cash, Manual Cash or Cashback</td>
<td>Fail</td>
</tr>
<tr>
<td>6</td>
<td>Fail CVM Processing</td>
<td>Always</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.6.2 **CVM List (CTLS) - AID A000000025010403, Amex (Expresspay)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
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</tr>
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<tr>
<td>1</td>
<td>Online PIN</td>
<td>Unattended Cash</td>
<td>Next CVM</td>
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<tr>
<td>2</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>NO CVM required</td>
<td>Not Unattended Cash, Manual Cash or Cashback</td>
<td>Fail</td>
</tr>
<tr>
<td>4</td>
<td>Fail CVM required</td>
<td>Always</td>
<td>Fail</td>
</tr>
</tbody>
</table>
1.7  **AMEX 02 – DI, Credit, French, CAN, CAD**

A Dual Interface Amex 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.

1.7.1 **CVM List (Contact) - AID A000000025010403, Amex (EMV)**

<table>
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<td>Next CVM</td>
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<tr>
<td>2</td>
<td>Offline Enciphered PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>3</td>
<td>Signature (paper)</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>4</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Next CVM</td>
</tr>
<tr>
<td>5</td>
<td>NO CVM required</td>
<td>Not Unattended Cash, Manual Cash or Cashback</td>
<td>Fail</td>
</tr>
<tr>
<td>6</td>
<td>Fail CVM Processing</td>
<td>Always</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.7.2 **CVM List (CTLS) - AID A000000025010403, Amex (Expresspay)**

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<tr>
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<td>NO CVM required</td>
<td>Not Unattended Cash, Manual Cash or Cashback</td>
<td>Fail</td>
</tr>
<tr>
<td>4</td>
<td>Fail CVM Processing</td>
<td>Always</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.8  **INTERAC 01 – DI, Debit, English, Canada, CAD**

A Dual Interface 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.

1.8.1 **CVM List (Contact) - AID A00000002771010, Interac (EMV)**

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
<th>Conditions</th>
<th>If unsuccessful</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Offline Enciphered PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>3</td>
<td>Online PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.8.2 **No CVM List (CTLS) - AID A00000002771010, Interac (Flash)**
1.9  INTERAC 02 – DI, Debit, English, Canada, CAD

A Dual Interface 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.

1.9.1  CVM List (Contact) - AID A0000002771010, Interac (EMV)

<table>
<thead>
<tr>
<th>CVM</th>
<th>Verification Method</th>
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<tr>
<td>1</td>
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<td>Fail</td>
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<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>3</td>
<td>Online PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.9.2  No CVM List (CTLS) - AID A0000002771010, Interac (Flash)

1.10  INTERAC 03 – DI, Debit, French, Canada, CAD

A Dual Interface 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.

1.10.1 CVM List (Contact) - AID A0000002771010, Interac (EMV)

1.10.2 CVM List (Contact) - AID A0000002771010, Interac (EMV)

<table>
<thead>
<tr>
<th>CVM</th>
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<th>Conditions</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Offline Enciphered PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>3</td>
<td>Online PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.10.3 No CVM List (CTLS) - AID A0000002771010, Interac (Flash)
1.11  INTERAC 04 – DI, Debit, French, Canada, CAD

A Dual Interface 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.

1.11.1 CVM List (Contact) - AID A0000002771010, Interac (EMV)

<table>
<thead>
<tr>
<th>CVM</th>
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<tr>
<td>2</td>
<td>Offline Plaintext PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
<tr>
<td>3</td>
<td>Online PIN</td>
<td>Terminal supports CVM type</td>
<td>Fail</td>
</tr>
</tbody>
</table>

1.11.2 No CVM List (CTLS) - AID A0000002771010, Interac (Flash)