



ATH Prima EMV™ Test Card Set Summary

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B2 Contact Information

www.b2ps.com

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	May 21, 2019	B2PS	<ul style="list-style-type: none">• Initial document release
2.00	October 29, 2020	B2PS	<ul style="list-style-type: none">• TC05, TC06 – updated cardstock support; where applicable, “MasterCard”>”Mastercard”
3.00	March 31, 2022	B2PS	<ul style="list-style-type: none">• TC01, TC02 – Visa cards change Expiry Date to 24/12

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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 - ATH Prima EMV Test Card Set Profiles

This Evertec ATH Prima EMV Test Card Set contains 10 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
AID(s)	A0000000031010	A0000000031010	-
PAN	4761 ***** 0043	4761 ***** 0043	5413 ***** 0029
Expiry Date	12/2024	12/2024	12/2025
Service Code	201	201	201
Interface	Contact, Contactless, MSR	Contact, Contactless, MSR	MSR
CVM (Contact) Default Condition: Terminal Supports CVM	Offline Enciphered PIN Offline Plaintext PIN Signature Online PIN No CVM required See card definition	Offline Plaintext PIN & Signature Online PIN (ATM) Offline Plaintext PIN Online PIN Signature No CVM required See card definition	- See card definition
Approval Amount	\$10.00	\$10.00	\$20.00
Issuer Country Code	630 – Puerto Rico	630 – Puerto Rico	-
Application Currency Code	840 – USD	840 – USD	-
Language(s)	'enes' – English, Spanish	'enes' – English, Spanish	'enes' – English, Spanish
Card Version	v3.x	v3.x	v2.x

	Test Card 04	Test Card 05	Test Card 06
Brand	Mastercard	Maestro	Mastercard
Type	Credit / Debit	Credit	Credit
AID(s)	A000000004101001 A000000004101002	A0000000043060	A0000000041010
PAN	5457 ***** 0012 5413 ***** 0045	67999 ***** 0044	5413 ***** 0011
Expiry Date	12/2025	12/2025	12/2025
Service Code	201	220	601
Interface	Contact, MSR	Contact, MSR	Contact, MSR
CVM (Contact) Default Condition: <i>Terminal Supports CVM</i>	Offline Plaintext PIN Online PIN Signature No CVM required Fail CVM Processing See card definition	Offline Plaintext PIN Online PIN See card definition	Offline Plaintext PIN Online PIN Signature No CVM required See card definition
Approval Amount	\$20.00	\$20.00	\$20.00
Issuer Country Code	630 – Puerto Rico	630 – Puerto Rico	630 – Puerto Rico
Application Currency Code	840 – USD	840 – USD	840 – USD
Language(s)	'enes' – English, Spanish	'enes' – English, Spanish	'enes' – English, Spanish
Card Version	v2.x	v3.x	v3.x

	Test Card 07	Test Card 08	Test Card 09
Brand	American Express	American Express	Diners
Type	Credit	Credit	Credit
AID(s)	A000000025010801 A000000000291010	A000000025010801 A000000000291010	A00000015230100 00000000000000001 A00000015230100 00000000000000002
PAN	3411 ***** 2513	3742 ***** 1006	6510 ***** 0224
Expiry Date	01/2024	01/2024	12/2023
Service Code	201	201	201
Interface	Contact, MSR	Contact, MSR	Contact, MSR
CVM (Contact) Default Condition: <i>Terminal Supports CVM</i>	Online PIN (ATM) Signature No CVM required Fail CVM Processing See card definition	Online PIN (ATM) Online PIN No CVM required Fail CVM Processing See card definition	Online PIN (ATM) Online PIN Signature No CVM required See card definition
Approval Amount	\$1.03	\$1.03	\$79.00
Issuer Country Code	630 – Puerto Rico	630 – Puerto Rico	840 - USA
Application Currency Code	840 – USD	840 – USD	840 – USD
Language(s)	'en' – English	'en' – English	'enesfr' – English, Spanish, French
Card Version	v2.x	v2.x	v2.x

	Test Card 10
Brand	Discover
Type	Credit
AID(s)	A0000001523010
PAN	6510 ***** 0208
Expiry Date	12/2023
Service Code	201
Interface	Contact, Contactless, MSR
CVM (Contact) Default Condition: <i>Terminal Supports CVM</i>	Online PIN Signature No CVM required See card definition
Approval Amount	\$79.00
Issuer Country Code	630 – Puerto Rico
Application Currency Code	840 – USD
Language(s)	'en' – English
Card Version	v2.x

1.1 Test Card 01 – Visa, DI, Eng/Spa, PRO, USD

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

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 ('0403 0103 1E03 0203 1F00')			
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	Signature (paper)	Terminal supports CVM type	Fail
4	Online PIN	Terminal supports CVM type	Fail
5	No CVM required	Always	Fail

1.2 Test Card 02 – Visa, DI, Eng/Spa, PRO, USD

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

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

1.2.1 Contact: CVM List - AID A000000031010, Visa (EMV)

Cardholder Verification Method List ('0303 0201 0103 0203 1E03 1F00')			
CVM	Verification Method	Conditions	If unsuccessful
1	Offline Plaintext PIN & Signature	Terminal supports CVM type	Fail
2	Online PIN	Unattended Cash	Fail
3	Offline Plaintext PIN	Terminal supports CVM type	Fail
4	Online PIN	Terminal supports CVM type	Fail
5	Signature (paper)	Terminal supports CVM type	Fail
6	No CVM required	Always	Always

1.3 Test Card 03 – 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.

1.4 Test Card 04 – Mastercard, CO, 2-AID, Eng/Spa, PRO, USD

A Contact-only Mastercard credit / debit card with 2 AIDs, with Issuer Country Code of 'Puerto Rico' and Currency Code of 'USD'.

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

1.4.1 Contact: CVM List - AID A00000004101001, Mastercard (EMV)

Cardholder Verification Method List ('4103 4203 1E03 1F00 0000')			
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	Fail
4	No CVM required	Always	Fail
5	Fail CVM Processing	Always	Fail

1.4.2 Contact: CVM List - AID A00000004101002, Mastercard (EMV)

Cardholder Verification Method List ('4103 4203 1E03 1F00 0000')			
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	Fail
4	No CVM required	Always	Fail
5	Fail CVM Processing	Always	Fail

1.5 Test Card 05 – Maestro, CO, Eng/Spa, PRO, USD

A Contact-only Maestro credit card with Issuer Country Code of 'Puerto Rico' and Currency Code of 'USD'.

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

1.5.1 Contact: CVM List - AID A000000043060, Maestro (EMV)

Cardholder Verification Method List ('4103 4203')			
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

1.6 Test Card 06 – Mastercard, CO, Eng/Spa, PRO, USD

A Contact-only Mastercard credit card with Issuer Country Code of 'Puerto Rico' and Currency Code of 'USD'.

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

1.6.1 Contact: CVM List - AID A000000041010, Mastercard (EMV)

Cardholder Verification Method List ('4103 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	Fail
4	No CVM required	Always	Fail

1.7 Test Card 07 – Amex, CO, 2-AID, Eng, PRO, USD

A Contact-only Amex credit card with Issuer Country Code of 'PRO' and Currency Code of 'USD'.

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

1.7.1 Contact: CVM List - AID A000000025010801, Amex (EMV)

Cardholder Verification Method List ('4201 5E03 5F03 0000')			
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	Next CVM
4	Fail CVM Processing	Always	Fail

1.7.2 Contact: CVM List - AID A00000000291010, Amex (EMV)

Cardholder Verification Method List ('4201 5E03 5F03 0000')			
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	Next CVM
4	Fail CVM Processing	Always	Fail

1.8 Test Card 08 – Amex, CO, 2-AID, Eng, PRO, USD

A Contact-only Amex credit card with Issuer Country Code of 'PRO' and Currency Code of 'USD'.

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

1.8.1 Contact: CVM List - AID A000000025010801, Amex (EMV)

Cardholder Verification Method List ('4201 4203 5F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Next CVM
4	Fail CVM Processing	Always	Fail

1.8.2 Contact: CVM List - AID A00000000291010, Amex (EMV)

Cardholder Verification Method List ('4201 5E03 5F03 0000')			
CVM	Verification Method	Conditions	If unsuccessful
1	Online PIN	Unattended Cash	Next CVM
2	Online PIN	Terminal supports CVM type	Next CVM
3	No CVM required	Terminal supports CVM type	Next CVM
4	Fail CVM Processing	Always	Fail

1.9 Test Card 09 – Diners, CO, 2-AID, Eng/Spa/Fre, USA, USD

A Contact-only Diners 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.

1.9.1 Contact: CVM List - AID A000000152301000000000000000000001, Diners (EMV)

Cardholder Verification Method List ('4201 4203 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	Fail

1.9.2 Contact: CVM List - AID A000000152301000000000000000000002, Diners (EMV)

Cardholder Verification Method List ('4201 4203 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	Fail

1.10 Test Card 10 – Discover, DI, Eng, PRO, USD

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

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

1.10.1 Contact: CVM List - AID A0000001523010, Discover (EMV)

Cardholder Verification Method List ('4203 5E03 1F03')			
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

1.10.2 CTLS: CVM List - AID A0000001523010, Discover (D-PAS EMV Online)

Cardholder Verification Method List ('4203 5E03 1F03')			
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

1.10.3 CTLS: CVM List - AID A0000001523010, Discover (D-PAS EMV Offline)

Cardholder Verification Method List ('4203 5E03 1F03')			
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

Chapter 2 - ASCII Character Conversion Chart

Dec	Bin	Hex	Char	Dec	Bin	Hex	Char	Dec	Bin	Hex	Char
00	00000000	00	NUL	44	00101100	2C	,	88	01011000	58	X
01	00000001	01	SOH	45	00101101	2D	-	89	01011001	59	Y
02	00000010	02	STX	46	00101110	2E	.	90	01011010	5A	Z
03	00000011	03	ETX	47	00101111	2F	/	91	01011011	5B	[
04	00000100	04	EOT	48	00110000	30	0	92	01011100	5C	\
05	00000101	05	ENQ	49	00110001	31	1	93	01011101	5D]
06	00000110	06	ACK	50	00110010	32	2	94	01011110	5E	^
07	00000111	07	BEL	51	00110011	33	3	95	01011111	5F	_
08	00001000	08	BS	52	00110100	34	4	96	01100000	60	`
09	00001001	09	HT	53	00110101	35	5	97	01100001	61	a
10	00001010	0A	LF	54	00110110	36	6	98	01100010	62	b
11	00001011	0B	VT	55	00110111	37	7	99	01100011	63	c
12	00001100	0C	FF	56	00111000	38	8	100	01100100	64	d
13	00001101	0D	CR	57	00111001	39	9	101	01100101	65	e
14	00001110	0E	SO	58	00111010	3A	:	102	01100110	66	f
15	00001111	0F	SI	59	00111011	3B	;	103	01100111	67	g
16	00010000	10	DLE	60	00111100	3C	<	104	01101000	68	h
17	00010001	11	DC1	61	00111101	3D	=	105	01101001	69	i
18	00010010	12	DC2	62	00111110	3E	>	106	01101010	6A	j
19	00010011	13	DC3	63	00111111	3F	?	107	01101011	6B	k
20	00010100	14	DC4	64	01000000	40	@	108	01101100	6C	l
21	00010101	15	NAK	65	01000001	41	A	109	01101101	6D	m
22	00010110	16	SYM	66	01000010	42	B	110	01101110	6E	n
23	00010111	17	ETB	67	01000011	43	C	111	01101111	6F	o
24	00011000	18	CAN	68	01000100	44	D	112	01110000	70	p
25	00011001	19	EM	69	01000101	45	E	113	01110001	71	q
26	00011010	1A	SUB	70	01000110	46	F	114	01110010	72	r
27	00011011	1B	ESC	71	01000111	47	G	115	01110011	73	s
28	00011100	1C	FS	72	01001000	48	H	116	01110100	74	t
29	00011101	1D	GS	73	01001001	49	I	117	01110101	75	u
30	00011110	1E	RS	74	01001010	4A	J	118	01110110	76	v
31	00011111	1F	US	75	01001011	4B	K	119	01110111	77	w
32	00100000	20	SP	76	01001100	4C	L	120	01111000	78	x
33	00100001	21	!	77	01001101	4D	M	121	01111001	79	y
34	00100010	22	"	78	01001110	4E	N	122	01111010	7A	z
35	00100011	23	#	79	01001111	4F	O	123	01111011	7B	{
36	00100100	24	\$	80	01010000	50	P	124	01111100	7C	
37	00100101	25	%	81	01010001	51	Q	125	01111101	7D	}
38	00100110	26	&	82	01010010	52	R	126	01111110	7E	~
39	00100111	27	'	83	01010011	53	S	127	01111111	7F	DEL
40	00101000	28	(84	01010100	54	T				
41	00101001	29)	85	01010101	55	U				
42	00101010	2A	*	86	01010110	56	V				
43	00101011	2B	+	87	01010111	57	W				