



**User Acceptance Test (UAT) MSD Contactless
Test Card Set
Summary**

Version 4.00

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Powered by B2»

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Revision History

| Version | Date | Updated By | Revisions |
|---------|------------------|------------|--|
| 1.00 | April 25, 2018 | B2PS | <ul style="list-style-type: none">• Initial document release |
| 2.00 | July 19, 2018 | B2PS | <ul style="list-style-type: none">• TC01 - Fix corrupted Tag 57, change PAN |
| 2.01 | June 21, 2019 | B2PS | <ul style="list-style-type: none">• Set renamed to "UAT MSD Contactless Test Card Set". No change to cards themselves. |
| 3.00 | October 16, 2020 | B2PS | <ul style="list-style-type: none">• TC02 - updated cardstock support, where applicable "MasterCard" > "Mastercard" |
| 4.00 | March 29, 2021 | B2PS | <ul style="list-style-type: none">• TC02 - change of Expiry Date to 25/12 |

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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 - UAT MSD Contactless Test Card Set Profiles

This UAT MSD Contactless Test Card Set contains 2 cards with one card from each of the following two card brands.



| | Test Card 01 | Test Card 02 |
|----------------------------------|-------------------------------------|-------------------------------------|
| Brand | Visa | Mastercard |
| Type | Credit | Credit |
| Description | MSD Contactless | MSD Contactless |
| AIDs | A0000000031010 | A0000000041010 |
| PAN | 476173 ***** 0027 | 541333 ***** 4111 |
| Expiry Date | 12/2022 | 12/2025 |
| Service Code | 201 | 201 |
| Interface | Contact, Contactless, MSR | Contact, Contactless, MSR |
| CVM | See card definition | See card definition |
| Approval Amount | \$10.00 | \$20.00 |
| Issuer Country Code | 840 - USA | 840 - USA |
| Application Currency Code | 840 - USD | 840 - USD |
| Language | 'en' – English | 'en' – English |
| Card Version | v3.x | v4.x |

1.1 Test Card 01 – Visa, DI, Credit, English, USA, USD

A Dual Interface Visa 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 Cardholder Verification Method List - AID A000000031010

| 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 Test Card 02 – Mastercard, DI, Credit, English, USA, USD

A Dual Interface Mastercard 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 Cardholder Verification Method List (Contact) - AID A000000041010

| 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 |

1.2.2 Cardholder Verification Method List (Contactless) - AID A000000041010

| 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 |

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 | | | | |