Chip Card Acceptance Device Questionnaire and VCPS Implementation Conformance Statement (ICS) for Contactless Devices and Readers

This form will not be accepted unless all mandatory fields are correctly completed. Mandatory fields are marked (*). You must provide a Chip Card Acceptance Device Questionnaire and VCPS Implementation Conformance Statement (ICS) for Contactless Devices and Readers for each product you are submitting for testing and approval. Information provided in this questionnaire will be used to determine whether the product is acceptable and the amount of testing.

For additional instructions, refer to attached *Instructions for Chip Card Acceptance Device Questionnaire and VCPS Implementation Conformance Statement (ICS) for Contactless Devices and Readers*.

Email completed questionnaire to ApprovalServices@visa.com.

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Section 1 Company Information

*1.0 Company Name
[Must exactly match Approval Services Testing Agreement]

*1.1 Name of Authorized Representative

*1.2 Email Address
[Must be corporate email address]

*1.3 Submission Date

Section 2 Product Identification

*2.0 Visa Reference Number (VTF#)

*2.1 Product/Model Name and Version

*2.2 Submission Type
If you are changing an approved product or seeking to make a derivative, please provide additional details in Section 7.

2.3 If you are changing an approved product or seeking to make a derivative, please provide the Visa Reference Number (VTF#) of the approved product.

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*2.4 Please provide a general description of the product.

Section 3 Product Elements Information

*3.0 Product Configuration

- If the Visa Application resides on the terminal [only], complete Section 3A.
- If the Visa Application resides on the reader [only], complete Section 3B.
- If the Visa Application resides on the reader and terminal, complete Sections 3A and 3B.

Section 3A Terminal

3.1 Operating System Name

3.2 Operating System Version

Section 3B Reader

3.3 Operating System Name

3.4 Operating System Version

Section 4 Product Level 1 Information

*4.0 EMVCo Contactless Level 1 Approval Number

*4.1 EMVCo Contactless Level 1 Renewal Date

*4.2 Restricted Approval   YES   NO

*Visa reserves the right to not honor an EMVCo restricted approval and may reject the product submission.

4.3 Reason for Restriction

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*4.4 Analog Firmware Name and Version

*4.5 Analog Code Location

*4.6 Digital Firmware Name and Version

*4.7 Digital Code Location

*4.8 Antenna ID

*4.9 Antenna Location

*4.10 Antenna Material

Section 5 Product Level 2 Information

Section 5A Visa Payment Kernel Application Information

*5.0 MSD Support   YES   NO
If VCPS v2.2 or higher, select NO.

*5.1 qVSDC Support   YES   NO

*5.2 Visa Application Name

*5.3 Visa Application Version

*5.4 Visa Application Code Location

Section 5B Visa Payment Kernel Application Checksum

*5.5 Visa Application Kernel Checksum

If the Visa Application Kernel Implementation is based on several software modules (for e.g., external routines, libraries, etc.):
(1) Please specify the overall Visa Application Kernel Checksum in Q5.5
(2) List the Checksum of each software module in Q5.6.

Section 5C Software Modules Checksum

5.6   (A) Software Module   (B) Checksum Value   (C) Module Location

5.7 Non-Visa Application Information

If there is no application, type NONE in the Application Name field.

Application Name	Application Version	Application Location	Does the Application interact or share data with Visa Application?	Details of the Interaction

Section 6 EMV and Visa Specifications Information

*6.0 EMV Contactless Communication Protocol Specification Version

*6.1 Visa Contactless Payment Specification Version

6.2 Visa Contactless Reader Implementation Notes Version

(If PCDA/S-ICR device).

6.3 Visa ODA for qVSDC Online Specification Version

Section 7 Product Submission Based on an Approved Product

For each proposed product change:
In column (A), identify the product component.
In column (B), select the appropriate change category.
In column (C), describe the details of the proposed change to your product.

Section 7A Product Level 1 Changes

(A) Product Component	(B) Change Category	(C) Change Details

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Section 7B Product Level 2 Changes

(A) Product Component   (B) Change Category   (C) Change Details

Section 8 Additional Information

8.0 Please provide any other relevant information not captured in previous sections.

Test Laboratories

Select the Laboratory/ies to test your product. For Contactless Level 1 testing and approval, contact EMVCo directly.

VCPS

Cross Testing

VOQOS

Please provide a picture of the device to Approval Services at the time of submission of the Chip Card Acceptance Device Questionnaire and Implementation Conformance Statement.
Actual image of the product to be submitted. Drawings or blueprints are not acceptable.
File naming convention: ProductImage_Product/Model Name_and_Version
File type should be an image file format; must be clear and not pixelated.
Contact and Magstripe Physical Interfaces should be clearly labeled.

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VCPS Implementation Conformance Statement for Contactless Devices and Readers

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Section 1 - General Device Information

*1.0 Visa Reference Number (VTF#)

*1.1 Device Configuration

1.2 Visa Applications

*1.3 Visa Contactless Payment Specification Version

Section 2 - Contactless Applications

2.3 Does the device support MSD and qVSDC active together? To be answered NO for VCPS v2.2.	YES	NO
2.4 Is contact interface supported?	YES	NO
2.6 Does the device support Magnetic Stripe transactions?	YES	NO

Section 3 - qVSDC Options

Check the box next to the question if the device supports the functionality identified in the question.

3.1 Preliminary Transaction Processing is supported?

3.3 Status Checking is supported?

3.4 Key Revocation is supported?

3.5 Exception File is supported?

3.6 Signature is supported?

3.7 Online PIN is supported?

3.9 Contactless Floor Limit Check is supported?

3.10 Contactless Transaction Limit Check is supported?

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3.11 Amount Authorized Zero Check is supported?

3.12 CVM Required Limit Check is supported?

3.13 Terminal Floor Limit (tag '9F1B') is supported?

3.15 Variable Transaction Amount is supported?

3.16 Application Expiration Check is supported?

3.17 Issuer Update Processing is supported?

3.19 Manual Cash is supported?

3.20 Cashback is supported?

3.21 Refund is supported?

3.22 Dynamic Reader Limits is supported?

   3.22.1 Max Dynamic Reader Limit sets supported? (If the implementation does not define a maximum value for number of DRLs supported, enter a value of 10).

3.23 Contactless Floor Limit data element is supported?

3.26 The device supports offline only?

3.27 The device supports online only?

3.28 Does the reader leave the contactless interface powered on when the contactless application not allowed indicator (or an equivalent indicator) is `1' for all reader supported applications?

Note:
Checking this option indicates that the Reader powers on the contactless interface at the end of pre-processing when the Contactless Application Not Allowed Indicator (or equivalent indicator) is 1 for all Reader supported applications. Please refer to Req 5.37 in VCPS for details of the requirements related to this option.

3.29 The device supports both online capable and offline capable?

Note: For VCPS v2.1 product only one of the three items 3.26, 3.27 or 3.29 must be checked. For VCPS v2.2 product at least one of the three items 3.26, 3.27 or 3.29 must be checked and if more than one is checked implementation must allow switching between these features.

Section 4 qVSDC Online ODA Options

If 4.1 is checked, at least one of 4.1.1 or 4.1.2 must be answered. If both are checked, implementation must allow switching of these two transaction outcomes.

   4.1 fDDA for online authorizations implemented?

      4.1.1 Transaction gets declined offline when fDDA fails?

      4.1.2 Transaction gets forwarded online when fDDA fails?

If 4.2 is checked, at least one of 4.2.1 or 4.2.2 must be answered. If both are checked, implementation must allow switching of these two transaction outcomes.

   4.2 SDA for online authorizations implemented?

      4.2.1 Transaction gets declined offline when SDA fails?

      4.2.2 Transaction gets forwarded online when SDA fails?

Section 5 - MSD Options

Check the box next to the question if the device supports the functionality identified in the question.
Section not applicable for VCPS v2.2.

   5.1 Track 1 formatting to the host is supported?

   5.2 Track 2 formatting to the host is supported?

   5.3 Terminal Transaction Qualifiers are sent in online messages?

   5.7 Zero Amount Authorized is supported?

Section 6 General Reader Options

Check the box next to the question if the device supports the functionality identified in the question.

   6.1 The device supports a display?

      6.1.1 The Amount Authorized is displayed when prompting for card presentation?

      6.1.2 The Available Offline Spending Amount can be displayed?

   6.2 The device supports printer or printing?

      6.2.1 The Available Offline Spending Amount can be printed?

      6.2.2 Printing of a receipt for declined transactions supported?

      6.2.3 Printing of a receipt for approved transactions supported?
 Note:
 If item 6.2 is checked, 6.2.2 or/and 6.2.3 must be checked. If item 6.2.1 is checked, 6.2.2 or/and 6.2.3 must be checked.

Section 7 Readers Compliant to Visa Contactless Reader Implementation Notes

7.1 Data elements that are not transmitted to the terminal   YES   NO
can be configured by the IRWIN reader?

Select *all* data elements that can be configured.

7.1.1 Track 2 Equivalent Data (tag '57')

7.1.2 Application PAN (tag '5A')

7.1.3 Cardholder Name (tag '5F20')

7.1.4 Application Expiration Date (tag '5F24')

7.1.5 Transaction Currency Code (tag '5F2A')

7.1.6 Application PAN Sequence Number (tag '5F34')

7.1.7 Application Interchange Profile (tag '82')

7.1.8 Terminal Verification Results (tag '95')

7.1.9 Transaction Date (tag '9A')

7.1.10 Transaction Type (tag '9C')

7.1.11 Issuer Application Data (tag '9F10')

7.1.12 Terminal Country Code (tag '9F1A')

7.1.13 Application Cryptogram (tag '9F26')

7.1.14 Application Transaction Counter (tag '9F36')

7.1.15 Unpredictable Number (tag '9F37')

7.1.16 Available Offline Spending Amount (tag '9F5D')

7.1.17 Form Factor Indicator (tag '9F6E')

7.1.18 Customer Exclusive Data

7.1.19 Cryptogram Information Data

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Terms and Conditions

I am authorized to act on behalf of and legally bind the entity indicated in the Company Name field (" the Company") for whom I am submitting this form.

The Company and Visa are party to a Visa Approval Services Testing Agreement ("ASTA") and such ASTA is currently in effect. This submission is made pursuant to the ASTA and the Testing Requirements in effect as of the date of this submission.

To the extent that no ASTA is currently in effect, I acknowledge and agree on behalf of the Company that all information included in this form is disclosed to Visa and/or its employees, officers, directors, agents, representatives and/or separately incorporated regions or subsidiaries ("Visa Representatives") on a NON-CONFIDENTIAL BASIS and that Visa and the Visa Representatives shall have no obligation, express or implied, to maintain the secrecy, confidentiality or non-public nature of any such information.

Notwithstanding any provision of any agreement or other obligation to which the laboratories chosen in this form for testing of this product ("Test House") may be subject, the Company hereby consents to:

i.   The disclosure by the Test House to Visa of a copy of pertinent documents pertaining to testing (i.e. technical specifications, required submission forms, etc.) and test reports, generated following functional and risk testing of the Company's product.

ii.   The presence of a representative of Visa, whose name will be provided to the Test House, during testing of the Company's product.

iii.   The confirmation or denial by the Test House of the content and accuracy of any test report submitted to Visa for product approval.

iv.   The disclosure by the Test House to Visa of scheduling information regarding test dates with the laboratory and timeframes of completion of testing.

v.   Granting Visa and its designees permission to test, copy, reverse engineer, by-pass intellectual property protection mechanisms, or perform any other action or process that Visa deems necessary in its sole discretion in order to determine if approval will be granted.

vi.   If any problems occur during functional or security testing that would not allow the chip product to successfully complete testing, I understand that:

1. All official testing will stop.
2. My company is responsible for all costs incurred with the Test House.
3. The problem found in testing must be corrected if the product is going to be resubmitted for testing.

   I acknowledge and accept the terms and conditions specified above.

Instructions for Chip Card Acceptance Device Questionnaire and VCPS Implementation Conformance Statement (ICS) for Contactless Devices and Readers

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Chip Card Acceptance Device Questionnaire

Section 2 Product Identification

Q2.0 Visa Reference Number (VTF#)
Upon submission of the questionnaire, Approval Services will provide a Visa Reference Number.

Q2.2 Submission Type. If you are changing an approved product or seeking to make a derivative, please provide additional details in Section 7.
   (A) New Product: The product has never been submitted to Visa Approval Services.
   (B) Derivative: The product is based on a previously approved product. Once approved, a secondary product is created, which will not replace the previously approved product.
   EXAMPLE OF DERIVATIVE:
   A new reader/terminal using the same Visa kernel approved in another product.
   (C) Changing an Approved Product: The product is based on a previously approved product. Once approved, it will replace the previously approved product.

Section 3 Product Elements Information

Q3.0 Product Configuration
   (A) PCDA (IRWIN Reader) / S-ICR
   (B) PCDI (Internal Reader) / FIT
   (C) PCDI (External Reader) / [Combination Reader or M-ICR]

Visa and EMVCo use several equivalent terms. Tables 1-3 below define the terms used in the answer selections for Q3.0:

Table 1 PCDA / S-ICR

Visa / EMVCo	Acronym	Description
Visa	PCDA	PCDA (Proximity Coupling Device with Application) is a contactless reader that supports the contactless interface and MSD and/or qVSDC application. ("IRWIN Reader" is another equivalent term also used).
EMVCo	S-ICR	Single Component Intelligent Card Reader

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Table 2 PCDI (Internal Reader) / FIT

Visa / EMVCo	Acronym	Description
Visa	PCDI (Internal Reader)	PCDI (Proximity Coupling Device Integrated - Internal Reader) is a device that supports VSDC, and/or MSD, and/or qVSDC application. It contains a contactless reader that supports the contactless interface.
EMVCo	FIT	Fully Integrated Terminal

Table 3 PCDI (External Reader) / [Combination Reader or M-ICR]

Visa / EMVCo	Acronym	Description
Visa	PCDI (External Reader)	PCDI (Proximity Coupling Device Integrated - External Reader) is a terminal with an external contactless reader. The device supports VSDC, and/or MSD, and/or qVSDC application.
EMVCo	[Combination Reader *or* M-ICR]	EMVCo divides these devices into two different types: (1) Combination Reader. The Visa Application resides on the terminal; the connected reader supports the Level 1 communications interface. (2) M-ICR (Multiple Component Intelligent Card Reader.) The Visa Application resides on both the terminal and the reader.

Section 5 Product Level 2 Information

Q5.5 Visa Application Kernel Checksum.

For all Visa Kernels, a Visa Application Checksum value is mandatory; please specify the algorithm used. For additional information, please refer to *Checksum Implementation Guidelines for the Visa Application Kernel* on the Visa Technology Partner (VTP) site in the Bulletins and Announcements section, https://technologypartner.visa.com/Library/Bulletins.aspx.

If the Visa Application Kernel implementation is based on several software modules (for e.g., external routines, libraries, etc.), please specify the overall Visa Application Kernel Checksum. Please additionally provide the Checksum of each software module in Q5.6, Column (B).

Definitions

The following Device Types are defined as:

- Mobile Point-of-Sale Devices (mPOS)
  A chip acceptance device that is physically connected to, or is itself, a mobile handset.

- Vending Devices
  A chip acceptance device that is to be mounted on a Vending Machine. The device conforms to the physical dimensions prescribed by a national or international standards body.

Please refer to *Chip Card Acceptance Device Testing and Approval Requirements* available on the Visa Technology Partner (VTP) site, https://technologypartner.visa.com, for additional information regarding submission requirements and procedures.

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VCPS Implementation

Conformance Statement (ICS) for Contactless Devices and Readers

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When completing the VCPS Implementation Conformance Statement (ICS) for Contactless Devices and Readers, please adhere to the following guidelines:

1. Your implementation shall always comply with a valid non-sunset Visa specification(s) (VCPS and/or VOQOS).
2. You must select ICS options that represent the features that were developed in the submitted product or the configuration that will be used in the field.
3. You are responsible to ensure that you accurately submit test samples with the same features/configuration as indicated in the ICS options.
4. Products should always be developed to the specification and not the test plans.
5. Approval Services has the right to reject any ICS changes while in testing and require a new test cycle.

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