



TRUST AND VERIFY

TrustCB Scheme Procedure for MIFARE

Version 2.5



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1 MIFARE Scheme

This document is an annex to TrustCB Shared Scheme Procedures version 2.0 [[TrustCB_SP](#)] detailing the pertinent details for the MIFARE scheme.

1.1 Introducing the MIFARE scheme

NXP Semiconductors has chosen TrustCB as the centralised Certification Body for the MIFARE Security Certification scheme.

The primary source of information and the TrustCB scheme procedures and documents can be found at <https://trustcb.com/global-ticketing/mifare>. Supplementary information can be found out <https://mifare.net/en/about-mifare/certification>

The procedures specific to the operation of the MIFARE scheme are detailed in **Error! Reference source not found.**

1.2 MIFARE Contact details

Scheme contact address at TrustCB is mifare@trustcb.com.

1.3 MIFARE TOE-type overview

This scheme applies to a TOE implementing MIFARE functionality.

1.4 MIFARE Process

Prior to the submission phase, the developer has contracted a licensed evaluation lab and together with that lab has filled in the application form. A signed copy of the application form, together with a draft Security Target, must be sent by email to mifare@trustcb.com. TrustCB will respond with a quotation for certification for acceptance by the certification sponsor. Upon receipt of acceptance of the quotation, TrustCB will issue an invoice for the payment of the certification fee.

The evaluation phase can commence once that quotation has been accepted and the certification fee paid.

1.4.1 Evaluation Phase

As defined in **Error! Reference source not found.**, there are two stages to the Evaluation phase in the MIFARE scheme:

- Vulnerability analysis and test plan. This phase is detailed in **Error! Reference source not found.** Chapter 3, section "Evaluation phase (vulnerability analysis and test plan)".
- Test results. This phase is detailed in **Error! Reference source not found.** Chapter 3, section "Evaluation phase (test results)".

1.4.2 Certification Phase

As defined in **Error! Reference source not found.**, the certificate validity period for MIFARE certificates is five (5) years from the ETR issue date.

In case of maintenance, the re-issued certificate will be identified through an increase in the certificate iteration identifier and the issuance date (i.e. a certificate with certificate iteration identifier '-01' will be reissued with '-02', and the date entry on the certificate will list the original certificate issuance date and

the 2nd issuance date. The certificate expiry date will stay the same. The re-issued certificate will be posted on the scheme website. The original certificate will also be retained on the website.

1.5 Certification Marks and Logos

TrustCB does not issue a Certification Mark for MIFARE certified products.

For information on the terms of use of the MIFARE trademark and branding, refer to <https://www.mifare.net/en/about-mifare/our-brand/trademark-and-branding-information/>

1.6 Reference Materials

Unless otherwise stated, the latest published version applies.

Table 1 MIFARE Documents

| Title | Reference |
|-------------------------------------------------------------------|---------------------------|
| TrustCB Application Form - MIFARE | [MIFARE-AF] ² |
| MIFARE ST template | [ST] ² |
| Technical requirements and scheme methodology:³ | |
| MIFARE Security Certification Scheme | [MIFARE] ² |
| MIFARE DESFire EV1/EV2/EV3 Protection profile | [PP] ² |
| MIFARE Plus EV0/EV1/EV2 Protection profile | [PP] ² |
| TrustCB Shared Scheme Procedures | [TrustCB-SP] ¹ |

¹ <https://www.trustcb.com/about-us/policies-procedures/>

² <https://trustcb.com/global-ticketing/mifare/>

³ Baseline standard and methodology for this scheme are [Common Criteria](#) (CC) and [Common Evaluation Methodology](#) (CEM).

Note: document versions as stated in the application form, section A.1.

Note: refer to the MIFARE Application Form for reference document versions

Annex A Revision History

| Version | Date | Description of change |
|----------------|-------------|--------------------------------------------------------------------------------------------------|
| 2.1 | 2020-05-11 | Certificate rules: for extra certificates and also where non-TSF portions of the TOE are updated |
| 2.2 | 2020-07-07 | Requirements on reuse limit for the reported results |
| 2.3 | 2021-08-02 | New section 1.5 on Certification Marks & Logos (ref action tracker 2021-62) |
| 2.4 | 2021-10-28 | Certificate validity update in section 1.4.2 and maintenance update. |
| 2.5 | 2024-12-08 | added PPs to 1.6 + editorials |