

# PP-Configuration for Protection Profile for Mobile Device Fundamentals and collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [CFG-MDF-BIO]

Version 1.2, TBD

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# Acknowledgements

This PP-Configuration was developed by the Biometrics Security international Technical Community (BIO-iTC) with representatives from industry, Government agencies, Common Criteria Test Laboratories, and members of academia.

# Chapter 1. Introduction

The purpose of a PP-Configuration is to define a Target of Evaluation (TOE) that combines Protection Profiles (PPs) and PP-Modules for various technology types into a single configuration that can be evaluated as a whole. The scope includes the definition of the configuration of a mobile device (a computer in the terms of the PP-Module) that has biometric enrolment and verification capability. The TOE will be defined by a combination of the components described in [Chapter 3, \*PP-Configuration Components Statement\*](#).

# Chapter 2. PP-Configuration Reference

This PP-Configuration is identified as follows:

- PP-Configuration for Protection Profile for Mobile Device Fundamentals and collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [\[CFG-MDF-BIO\]](#), September 12, 2022, Version 1.2

# Chapter 3. PP-Configuration Components Statement

This PP-Configuration includes the following components:

- Base-PP: Protection Profile for Mobile Device Fundamentals, September 12, 2022, Version 3.3. [\[PP\\_MDF\]](#)
- PP-Module: collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [BIOPP-Module], September 12, 2022, Version 1.2

# Chapter 4. Conformance claim and conformance statement

## 4.1. Common Criteria Conformance claim

This PP-Configuration, [PP\_MDF] and [MOD\_BIO\_V1.2] are conformant to Common Criteria CC:2022, Release 1 and the Errata and Interpretation, Version 1.1.

## 4.2. The conformance type

To be conformant to this PP-Configuration, an ST must demonstrate Exact Conformance, as defined by [addenda].

## 4.3. The Assurance package conformance claim

In order to evaluate a TOE that claims conformance to this PP-Configuration, the evaluator shall evaluate the TOE against the following SARs that are defined in the [PP\_MDF]:

Table 1. Assurance Components

| Assurance Class                | Assurance Components  |
|--------------------------------|---|
| Security Target (ASE)          | Conformance Claims (ASE_CCL.1)                                  |
|                                | Extended Components Definition (ASE_ECD.1)                      |
|                                | ST Introduction (ASE_INT.1)                                     |
|                                | Security Objectives for the Operational Environment (ASE_OBJ.1) |
|                                | Stated Security Requirements (ASE_REQ.1)                        |
|                                | Security Problem Definition (ASE_SPD.1)                         |
|                                | TOE Summary Specification (ASE_TSS.1)                           |
| Development (ADV)              | Basic Functional Specification (ADV_FSP.1)                      |
| Guidance Documents (AGD)       | Operational User Guidance (AGD_OPE.1)                           |
|                                | Preparative Procedures (AGD_PRE.1)                              |
| Life Cycle Support (ALC)       | Labeling of the TOE (ALC_CMC.1)                                 |
|                                | TOE CM Coverage (ALC_CMS.1)                                     |
|                                | Timely Security Updates (ALC_TSU_EXT.1)                         |
| Tests (ATE)                    | Independent testing - conformance (ATE_IND.1)                   |
| Vulnerability Assessment (AVA) | Vulnerability Survey (AVA_VAN.1)                                |

Note that to fully evaluate the TOE, these SARs shall be applied to the entire TSF and not just the portions described by [PP\_MDF] where the SARs are defined.

## 4.4. Presentation Attack Detection (PAD) conformance

In order to evaluate a TOE that claims conformance to the Presentation Attack Detection (PAD) requirements, the evaluator shall evaluate the TOE using the tests defined in the [\[Toolbox\]](#). PAD conformance is not mandatory for a TOE under evaluation.



# Chapter 5. Related Documents

## Common Criteria<sup>[1]</sup>

|          |  |
|----------|--|
| [CC1]    | Common Criteria for Information Technology Security Evaluation, Part 1: Introduction and General Model, CCMB-2022-11-001, CC:2022 Revision 1, November 2022.                                       |
| [CC2]    | Common Criteria for Information Technology Security Evaluation, Part 2: Security Functional Components, CCMB-2022-11-002, CC:2022 Revision 1, November 2022.                                       |
| [CC3]    | Common Criteria for Information Technology Security Evaluation, Part 3: Security Assurance Components, CCMB-2022-11-003, CC:2022 Revision 1, November 2022.  |
| [CC4]    | Common Criteria for Information Technology Security Evaluation, Part 4: Framework for the specification of evaluation methods and activities, CCMB-2022-11-004, CC:2022 Revision 1, November 2022. |
| [CC5]    | Common Criteria for Information Technology Security Evaluation, Part 5: Pre-defined packages of security requirements, CCMB-2022-11-005, CC:2022 Revision 1, November 2022.                        |
| [CEM]    | Common Methodology for Information Technology Security Evaluation, CCMB-2022-11-006, CC:2022 Revision 1, November 2022.  |
| [CC-E&I] | Errata and Interpretation for CC:2022 (Release 1) and CEM:2022 (Release 1), 002, Version 1.1, July 22, 2024.   |

## Protection Profiles

|                |  |
|----------------|--|
| [PP_MDF]       | Protection Profile for Mobile Device Fundamentals, September 12, 2022, Version 3.3   |
| [MOD_BIO_V1.2] | collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [BIOPP-Module], September 12, 2022, Version 1.1  |
| [BIOSD]        | Supporting Document Mandatory Technical Document: Evaluation Activities for collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [BIOSD], September 12, 2022, Version 1.1 |
| [Toolbox]      | Toolbox Overview, September 12, 2022, Version 1.1  |

[1] For details see <http://www.commoncriteriaportal.org/>

# Chapter 6. Revision History

Table 2. Revision history

| Version | Date               | Description   |
|---------|--------------------|---|
| 0.8     | 31 Jan, 2019       | First draft for review  |
| 0.9     | August 5, 2019     | Update from Public Review Draft 1                             |
| 0.91    | December 5, 2019   | Update to make PAD optional                                   |
| 0.92    | December 20, 2019  | Public Review Draft 2   |
| 0.95    | March 13, 2020     | Proposed Release  |
| 0.99    | May 11, 2020       | Public Release (requires PP_MDF_V3.3 release to move to v1.0) |
| 1.1     | September 12, 2022 | Version 1.1   |