

PP-Configuration for Network Devices and MACsec Ethernet Encryption



Version: 2.0
2024-04-25

National Information Assurance Partnership

Table of Contents

| | | |
|-----|---|---|
| 1 | Introduction | 3 |
| 1.1 | Overview | 3 |
| 1.2 | PP-Configuration Reference | 3 |
| 1.3 | PP-Configuration Components Statement | 3 |
| 2 | Conformance Claims | 4 |
| 2.1 | CC Conformance..... | 4 |
| 2.2 | SAR Statement..... | 4 |

1 Introduction

1.1 Overview

This PP-Configuration is for a network device that provides MACsec Ethernet encryption functionality.

1.2 PP-Configuration Reference

This PP-Configuration is identified as follows:

- PP-Configuration for Network Devices and MACsec Ethernet Encryption, 2023-03-29
- As a shorthand reference, it can be identified as "CFG_NDcPP-MACsec_V2.0"

1.3 PP-Configuration Components Statement

This PP-Configuration includes the following components:

- Base-PP: collaborative Protection Profile for Network Devices, Version 3.0e (CPP_ND_V3.0E)
- PP-Module: PP-Module for MACsec Ethernet Encryption, Version 1.0 (MOD_MACsec_V1.0)

2 Conformance Claims

2.1 CC Conformance

Conformance Statement

To be conformant to this PP-Configuration, an ST must demonstrate Exact Conformance, as defined by the CC and CEM addenda for Exact Conformance, Selection-Based SFRs, and Optional SFRs (dated May 2017).

CC Conformance Claims

This PP-Configuration, and its components specified in section 1.3, are conformant to Parts 2 (extended) and 3 (conformant) of Common Criteria Version 3.1, Release 5 [CC].

2.2 SAR Statement

To evaluate a TOE that claims conformance to this PP-Configuration, the evaluator shall evaluate the TOE against the following SARs that the Base-PP defines:

| 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) |
| Tests (ATE) | Independent Testing – Conformance (ATE_IND.1) |
| Vulnerability Assessment (AVA) | Vulnerability Survey (AVA_VAN.1) |

The Supporting Documents included with the Base-PP and PP-Module contain specific information with respect to the evaluation of the SARs listed in the table above.