



## D2.2

### PP Modules

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<b>Abstract:</b>	This document addresses the definition and specification of PP-modules according to the CC 3.1 R5 specification.
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## Executive Summary

This document is the deliverable D2.2. A PP-Module refers to a Base Protection Profile (or Base-PP) that provides the definition of the TOE type and the mandatory requirements to be fulfilled. A PP-Module has to be used with the Base-PPs: a PP-Module may introduce new elements to the Base-PPs and may also refine or interpret some of the elements of the Base-PP.

A modular Protection Profile (PP) is used to evaluate products with security targets according to PP configurations, which consist of a base Protection Profile and zero or more PP modules. The associated Base-PP is defined in D2.1.

Whereas an ST always describes a specific TOE, a PP is intended to describe a TOE type (in this case, separation kernel OS). The same PP may therefore be used as a template for many different STs to be used in different evaluations.

This “PP Modules” D2.2 document makes reference to the PP Modules that have been defined as output of the task 2.2 within WP2. For better usability by the CC community, each PP Module is edited as a separate document.

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# Chapter 1 Introduction

This section identifies the PP-Modules and the associated Base-PP. By creating PP Modules, the aim is to allow PP consumers to create PP Configurations extending the Base-PP with zero or more PP modules, which will later derive in STs for targeted products.

## 1.1 PP-modules reference

1	<b>Title:</b> MILS Platform Protection Profile I/O MMU Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
2	<b>Title:</b> MILS Platform Protection Profile Cryptographic Services Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
3	<b>Title:</b> MILS Platform Protection Profile Information Flow Control Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
4	<b>Title:</b> MILS Platform Protection Profile Management Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
5	<b>Title:</b> MILS Platform Protection Profile Network Interface Partitioning Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
6	<b>Title:</b> MILS Platform Protection Profile HAL Module <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
7	<b>Title:</b> MILS Platform Protection Profile CPU-time Modules <b>Sponsor:</b> certMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft

8	<b>Title:</b> MILS Platform Protection Profile Secure Boot Module <b>Sponsor:</b> CERTMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
9	<b>Title:</b> MILS Platform Protection Profile Security Audit Module <b>Sponsor:</b> CERTMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
10	<b>Title:</b> MILS Platform Protection Profile Storage Module <b>Sponsor:</b> CERTMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft
11	<b>Title:</b> MILS Platform Protection Profile Secure update Module <b>Sponsor:</b> CERTMILS Consortium <b>CC Version:</b> 3.1 (Revision 5) <b>Assurance Level:</b> see the Base PP. <b>Version:</b> draft

Table 1: PP Modules list

## 1.2 Base-PP identification

Base MILS Platform Protection Profile, Version: 1.0

## Chapter 2 Summary and Conclusion

The purpose of the PP Modules definition is providing extensions to the protection profile that is serving as a basis for Separation Kernel TOEs in the field of CC evaluation process, where a ST claiming conformance to the PP along with additional PP Modules (forming a PP Configuration) identify and describes the certain TOE.

According to the DoA this document is the deliverable D2.2, which is the output of Task 2.2, within WP2.

## Chapter 3 List of Abbreviations

Abbreviation	Translation
CC	Common Criteria
PP	Protection Profile
HW	Hardware
SW	Software
OS	Operating System
SK	Separation Kernel
SFR	Security Functional Requirement
SAR	Security Assurance Requirement

Table 2: Abbreviations



## Chapter 4 Bibliography

- [1] Common Criteria for Information Technology Security Evaluation. Part 1: Introduction and general model. Version 3.1, Revision 5. April 2017. CCMB-2017-04-001
- [2] Common Criteria for Information Technology Security Evaluation. Part 2: Security Functional Components. Version 3.1, Revision 5. April 2017. CCMB-2017-04-002
- [3] Common Criteria for Information Technology Security Evaluation. Part 3: Security Assurance Components. Version 3.1, Revision 5. April 2017. CCMB-2017-04-003
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