# DoD ANNEX
# FOR
# PP – MODULE FOR MDM AGENTS V1.0

**Version 1, Release 1**

**1 May 2019**

**Developed by DISA for the DoD**

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# REVISION HISTORY

| Version | Date | Description |
|---|---|---|
| V1R1 | 1 May | Initial Release |
| V1R0.1 | 15 April 2019 | Internal DISA draft based on Draft 1 of the PP-Module for MDM Agents v1.0 draft 1 |

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# 1. INTRODUCTION

## 1.1 Background

This Annex to the PP-Module for MDM Agents (Version 1.0, dated 25 April 2019) delineates PP-Module content that must be included in the Security Target (ST) for the Target of Evaluation (TOE) to be fully compliant with DoD cybersecurity policies pertaining to information systems. This content includes DoD-mandated PP-Module selections, assignments, and security functional requirements (SFRs) listed as optional or objective in the PP-Module but mandated in DoD.

Deficiencies of the TOE with respect to the DoD Annex will be reported, as appropriate, under the Risk Management Framework for DoD Information Technology (DoD Instruction 8510.01). DoD may determine that a TOE that does not conform to this Annex may pose an unacceptable risk to DoD. Accordingly, any vendor seeking authorization for use of its product within DoD should include the additional PP-Module specificity described in this Annex in its ST.

The PP-Module for MDM Agents, in conjunction with this Annex, addresses the DoD-required cybersecurity controls in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-53. Taken together, they supersede the DoD Mobile Device Management Security Requirements Guide.

## 1.2 Scope

The additional information in this document is applicable to all DoD-administered systems and all systems connected to DoD networks.

The MDM Agents PP-Module extends either the MDM Protection Profile (PP) or the Mobile Device Fundamentals (MDF) PP, depending on whether the MDM agent is deployed as a third-party app by the MDM vendor or included as a component of the mobile device operating system, respectively.

## 1.3 Relationship to Security Technical Implementation Guides (STIGs)

A successful Common Criteria evaluation certifies the capabilities of the TOE, but does not assure its subsequent secure operation. To address security concerns with the ongoing operation of the TOE in the field, a product-specific STIG is prepared in conjunction with the Common Criteria evaluation. The STIG lists the configuration requirements for DoD implementations of the TOE and is published in Extensible Configuration Checklist Description Format (XCCDF) to facilitate automation where feasible.

This Annex contains the required DoD configuration of features implementing the security management (FMT) class of SFRs listed in the PP-Module. For each applicable FMT SFR, the STIG will discuss the vulnerability associated with non-compliance configuration and provide step-by-step, product-specific procedures for checking for compliant configurations and fixing non-compliant configurations.

In most cases, the ST will not cover all security-relevant configurable parameters available in the TOE. However, the STIG will include these whenever they impact the security posture of DoD information systems and networks. Accordingly, the DoD Annex only addresses a subset of the controls expected to be included in a STIG.

If the PP-Module extends the MDM PP, the requirements in this Annex will be included in the MDM STIG. If the PP-Module extends the MDF PP, the requirements in this Annex will be included in the mobile device STIG.

## 1.4 Document Revisions

Comments or proposed revisions to this document should be sent via email to: disa.stig_spt@mail.mil.

## 2. CONVENTIONS

The following conventions are used to describe DoD-mandated ST content:

- If a PP-Module SFR is not listed, there is no DoD-mandated selection or assignment for that SFR.
- For SFRs included in this annex:
    - Underlined text indicates a required selection. The presence of the selection indicates this is a DoD-mandated selection.
    - If a selection is not listed, then its inclusion or exclusion does not impact DoD compliance.
    - **Bold** text indicates additional text provided as a refinement to add details to the requirement.
    - *Italicized* text indicates a required assignment.
    - ~~Strikethrough and underlined~~ text indicates that the ST author must exclude the selection.

The Annex provides the minimum text necessary to disambiguate selections and assignments. Readers will need to view both the MDM Agents PP-Module and the DoD Annex simultaneously to place the Annex information in context.

# 3. DOD-MANDATED SECURITY TARGET CONTENT

## 3.1 DoD-Mandated Assignments and Selections

DoD mandates the following PP-Module selections and assignments for SFRs in Section 4 of the PP-Module:

**Table 3-1: PP-Module SFR Selections**

| SFR | Selections, Assignments, and Application Notes |
|---|---|
| FAU_ALT_EXT.2.1 | - change in enrollment status<br>- failure to install an application from the MDM (see Application note)<br>- failure to update an application from the MDM (see Application note)<br>Application note: Selection is only required if the MDM supports MAS functions. |
| FMT_SMF_EXT.4.1 | One of the following selections is required:<br>- administrator-provided management functions in MDF PP<br>- administrator-provided device management functions in MDM PP<br><br>Additional functions:<br>- *read audit logs of the MD* |

## 3.2 DoD-Mandated Optional, Selection-Based, and Objective Functions

At this time no optional, selection-based, or objective requirements are identified.

# 4. OTHER DOD MANDATES

## 4.1 Federal Information Processing Standard (FIPS) 140-2

Cryptographic modules supporting any SFR in the Cryptographic Support (FCS) class must be FIPS 140-2 validated. Information concerning FIPS 140-2 validation should be included in the ST. Failure to obtain validation to include applications could preclude use of the TOE within DoD.

## 4.2 DoD-Mandated Configuration

Table 4.1 below lists configuration values for product features implementing the PP-Module Specification of Management Functions (FMT_SMF). The ST is not expected to include this configuration information, but it will be included in the product-specific STIG associated with the evaluated IT product.

**Table 4-1: Configuration Values**

| SFR | DoD Selections and Values |
|---|---|
| FMT_SMF_EXT.4.1 | ***Enable*** *read audit logs of the MD* (if function is not automatically implemented during MDM Agent install/device enrollment)<br>***Enable*** *transfer MD audit records to the MDM server or third-party audit management server* (if function is not automatically implemented during MDM Agent install/device enrollment) |