

FDE Interpretation # 201904

Status: *Active* *Inactive*

Date: 08-20-2019

Type of Document: *Technical Decision* *Technical Recommendation*

Approved by: *FDE iTC Interpretations Team* *FDE iTC*

Affected Document(s): FDE EE SD v2.0

Affected Section(s): FPT_PWR_EXT.1

Superseded Interpretation(s):

Issue:

Conflicting AGD work units listed in the Supporting Documentation between the AA and EE Protection Profiles for the same SFR, make it unclear as to whether non-Compliant power saving states are required to be disabled in the evaluated configuration or if they can remain present (enabled, or present assuming it is not-configurable) while the guidance documentation instructs the user on how to avoid the non-Compliant power saving states.

In the Supporting Document for the FDE EE v2.0e Protection Profile, section 2.4.2.1.2 on page 19 states the following Operational Guidance requirements for FPT_PWR_EXT.1:

“The evaluator shall ensure that guidance documentation contains a list of Compliant power saving states. If additional power saving states are supported, then the evaluator shall validate that the guidance documentation states how the use of non-Compliant power saving states can be avoided. “

In the FDE AA v2.0e Protection Profile, section 2.3.2.1.2 on page 21 states the following Operation Guidance requirements for FPT_PWR_EXT.1:

“The evaluator shall ensure that guidance documentation contains a list of Compliant power saving states. If additional power saving states are supported, then the evaluator shall validate that the guidance documentation states how non-Compliant power states are disabled.”

The CCTL suggests that the following changes be made to the AGD requirements in the Supporting Document for FPT_PWR_EXT.1 in the FDE AA v2.0e Protection Profile in order to match the Supporting Document for the FDE EE v2.0e Protection Profile:

“The evaluator shall ensure that guidance documentation contains a list of Compliant power saving states. If additional power saving states are supported, then the evaluator shall validate that the guidance documentation states how the use of non-Compliant power saving states can be avoided.”

The CCTL suggests that a modification or addition to the Application note for FPT_PWR_EXT.1 state the following: “non-Compliant power saving states are not required to be disabled in the evaluated configuration.”

The CCTL suggests that the TSS assurance activity for FPT_PWR_EXT.1 be modified to state the following: “if non-Compliant power saving are present on the TOE, and cannot be disabled in the evaluated configuration, these non-Compliant power saving states must be identified in the TSS.”

Resolution:

The FIT acknowledges the issues described in the 'Issue' section above. **Bolding** indicates change.

“The evaluator shall ensure that guidance documentation contains a list of Compliant power saving states. If additional power saving states are supported, then the evaluator shall validate that the guidance documentation states how non-Compliant power states **are disabled.**”

Rationale:

The FIT is not aware of a potential non-compliant power state where it would not be possible to generate guidance on how to disable. If a specific state is problematic this position may be reconsidered, until then disabled is the most accurate language for both cPPs/SDs.

Further Action:

None.

Action by FDE iTC:

None.