

Network Device Interpretation # 201659

Displaying active and installed version of TOE software

Status: *Active* *Inactive*

Date: *2-Jan-2017*

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

Approved by: *Network iTC Interpretations Team* *Network iTC*

Affected Document(s): *ND cPP V1.0, FW cPP V1.0*

Affected Section(s): *FPT_TUD_EXT.1*

Superseded Interpretation(s): *None*

Issue:

Issue:

FPT_TUD_EXT.1.1: The TSF shall provide Security Administrators the ability to query the currently executing version of the TOE firmware/software as well as the most recently installed version of the TOE firmware/software.

A TOE could be designed in the following way: A successful software upgrade would always cause an automatic reboot of the TOE and a failed software upgrade would cause the TOE to be automatic reverted back to the version before the upgrade followed by an automatic reboot, so the version listed by the TOE is both the most recently installed and the version currently being executed.

In such a case, the TOE displays ONE firmware/software version which is both the currently executing version as well as the most recently installed version.

Proposed solution:

It should be explicitly permitted to display only one version information when the TOE ensures that the recently installed version is always the currently executing version.

Resolution:

FPT_TUD_EXT.1.1 shall be changed as follows:

FPT_TUD_EXT.1.1: The TSF shall provide Security Administrators the ability to query the currently executing version of the TOE firmware/software and [selection: the most recently installed version of the TOE firmware/software; no other TOE firmware/software version].

Application Note 31 shall be modified as follows:

"If a trusted update can be installed on the TOE with a delayed activation the version of both the currently executing image and the installed but inactive image must be provided. In this case the option 'the most recently installed version of the TOE firmware/software' needs to be chosen from the selection in FPT_TUD_EXT.1.1 and the TSS needs to describe how and when the inactive version becomes active. If all trusted updates become active as part of the installation process, only the currently executing version needs to be provided. In this case the option 'no other TOE firmware/software version' shall be chosen from the selection in FPT_TUD_EXT.1.1."

Wording for SD (FPT_TUD_EXT.1, TSS section):

"If a trusted update can be installed on the TOE with a delayed activation, the TSS needs to describe how and when the inactive version becomes active. The evaluator shall verify this description."

Rationale:

If the "active" and "installed" Trusted Update is always the same and cannot differ, displaying the same version multiple times provides no useful information. The intent of this SFR is to allow an administrator to determine if activation of a new TOE software/firmware version is delayed by the TOE and requires some administrator action.

Further Action:

None

Action by Network ITC: