

IDS Conference Call Minutes March 7, 2019

This ISD Conference Call was stated at approximately 3:00 pm ET on March 7, 2019.

Attendees

Cihan Colakoglu	Kyocera
Smith Kennedy	HP
Ira McDonald	High North
Brian Smithson	Ricoh
Alan Sukert	Xerox
Bill Wagner	TIC

Agenda Items

1. Reviewed the minutes from the recent (Mar 4th) Hardcopy Device (HCD) Technical Committee (TC) Teleconference.

- There was a long discussion about the concept of Roots of Trust and Secure Boot. The discussion centered on the following three new requirements that had been added to the Essential Security Requirements (ESR) document proposed by the TC:
 - “HCD shall verify the integrity of firmware / software before and during execution”
 - “HCD shall have root(s) of trust in hardware”
 - “HCD shall have secure boot”

We agreed that these were good requirements, although the first requirement is really requiring “run time monitoring” which most devices do not have yet.

- Ira mentioned that any new HCD PP should define security requirements around communications between the “controller board” and the network card as well as between the main board and the board that performs the job processing functions and the board that controls the marking engine.
 - Ira also mentioned that the TC should look security aspects around power state transitions, especially around the device going in and out of “sleep” mode.
 - Finally, Ira mentioned that security requirements are needed around secure RAM booting off a TPM.
2. Reviewed the final draft of the proposed Terms of Reference (ToR) for the proposed Hardcopy Device international TC (iTC) that was authorized at the Oct 2018 Common Criteria Development Board (CCDB) Meeting. This latest draft of the ToR can be found at <https://ftp.pwg.org/pub/pwg/ids/wd/HCD iTC ToR v0.4.docx>.

The following were the comments to the final draft ToR discussed at the Conference Call:

- Al gave a brief walk-through of the Common Criteria iTC process and how the ESR and ToR relate to that process.
 - Most of the wording in the ToR came originally from the **AGREEMENT ON TECHNICAL BARRIERS TO TRADE** from the World Trade Organization.
 - There were no comments suggesting changes to this TOR draft. However, it was mentioned that the wording on Patent and other intellectual property came initially from the PWG. In return, it was pointed out that the current PWG process doesn’t address the Code of Conduct rules mentioned in the ToR; this is something it was suggested might be looked at for inclusion in PWG 4.0.
3. Reviewed the latest draft of the proposed Essential Security Requirements (ESR) document for the proposed Hardcopy Device international TC (iTC) that was authorized at the Oct 2018 Common Criteria Development Board (CCDB) Meeting. This latest draft of the ESR was proposed by Alan and

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accepted by the HCD TC and can be found at <https://ftp.pwg.org/pub/pwg/ids/wd/ESR-HCD v0.6.1 draft2.docx>.

There were no comments for changes against this draft ESR presented at the Conference Call. However, the following comments were made:

- There was a discussion of the timetable for the HCD iTC. The goal is to finalize the ESR and ToR documents and present them to the CCDB by the end of March, so they can be considered at the CCDB's Apr 9-11, 2019 meeting in Rome Italy. What complicates this is that technically the HCD Working Group (WG), which consists of representatives from the Japanese and Korean Common Criteria Schemes (these are the two schemes that proposed formation of the HCD iTC to the CCDB), must create these two documents and the WG has a draft ESR already. We don't know how close the ESR developed by the HCD TC is to the ESR developed by the HCD WG; the two versions of the ESR must be merged before sending it to the CCDB.
- Hopefully the CCDB at the April meeting will approve formation of the HCD iTC which can then be formed and go into operation as quickly as possible. What is driving this schedule ultimately is that at the current time there are two Protection Profiles (PPs) that are used to certify HCDs – the IEEE 2600.1 PP and the HCD PP. The HCD PP is a bi-national PP developed by the US and Japan and is only recognized by the US, Japan and Canada; the IEEE 2600.1 PP is recognized by most of the Common Criteria schemes. The problem is that the 2600.1 PP is an IEEE standard and is 10 years old; by IEEE rules unless it is changed in some way it will be archived at the end of 2019 and may no longer be usable by any vendor who wants to certify against that PP. Since many HCD certifications are done outside of the US, Canada and Japan the HCD iTC needs to create an HCD collaborative PP (cPP) as soon as possible, since by its nature a cPP is recognized by most of the countries that support Common Criteria certifications.
- We want to generate HCD cPP v1.0 as soon as possible to address this problem. In the past it has taken 5 years to create an PP for HCDs; we would like to do it so HCD cPP 1.0 is ready by the end of 2019 or early 2020. It is an ambitious goal but a necessary one.

Actions

- None

Next Steps

- There will be an IDS Conference Call in two weeks on Mar 21st to review the HCD PP v1.1 changes after the HCD TC finalized this version at the next Conference Call on Mar 11th.
- There will be a IDS Conference Call on Apr 4th to provide final IDS feedback to the HCD TC before its next F2F at the CCUF Workshop Apr 9-11 in Rome Italy.

This ISD Conference Call was completed at approximately 4:15 pm ET on March 7, 2019.