IDS Conference Call Minutes
July 9, 2020

This IDS Conference Call was stated at approximately 3:30 pm ET on July 9, 2020.

Attendees

Cihan Colakoglu	Kyocera
Gerardo Colunga	HP
Graydon Dodson	Lexmark
Smith Kennedy	HP
Ira McDonald	High North
Alan Sukert	Xerox
Bill Wagner	TIC
Steve Young	Canon

Agenda Items

- The topics to be covered during this Conference Call were:

    - Results of the 07/07/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting.

    - The new ETSI Cyber Security for Consumer Internet of Things Standard

    - Status of the HCD Security Guidelines

    - Round Table Discussion

- Al reviewed what was discussed at the 07/07/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting. We reviewed the attached slides that were presented at the meeting:

HCD iTC Meeting
Slides, 2020-07-07-1.p

The key points discussed at the meeting were:

- We reviewed the process for handling comments against the HCD collaborative Protection Profile (cPP) and HCD Supporting Documents (SD) shown in the slides. There were no questions on the process from the meeting attendees.

- We then went through the status of the "EAL1 vs. EAL2" issue. The next result of the meeting we thought was a decision that we were going with Option 1 on Slide 4 of the meeting slide:

    No EAL claim in the HCD cPP; include in the HCD SD SARs (Security Assurance Requirements) for EAL2 without Flaw Remediation (ALC_FLR).

    However, at the last minute one of the Japanese vendors suggested that because many of the HCD iTC members were not present this decision needed time to be reviewed and commented on.

    In addition, it was still not clear what the status of Flaw Remediation was. The overriding issue was NIAP's position on ALC_FLR was that the current SAR for ALC_FLR was not acceptable because it did not meet their criteria of being consistent, repeatable, and testable, so if we included flaw remediation we'd have to develop assurance activities for it that met these three criteria. After much discussion it appeared the consensus was to not include ALC_FLR in the initial SD draft and include in later drafts if we could develop assurance activities for it that met the three criteria.

At the end of the meeting Kwangwoo decided to hold up final approval and allow all HCD iTC members a period of time to review both options and provide comments via email that would be reviewed and discussed at the next HCD iTC Meeting where a final decision would be made.

- One key point that was mentioned is that in developing the schedule we have to include the development the Security Functional Requirements beyond what was in the HCD PP that should go into HCD cPP v1.0 that we have discussed in previous HCD iTC meetings.

- We then discussed the new ETSI Cyber Security for Consumer Internet of Things Standard that had just been released. The actual standard is included below:

ETSI IoT Security
Standard.pdf

Al prepared a set of slides outlining the requirements from this standard that he reviewed at the meeting that are included below:

ETSI IoT Std.pptx

Al indicated that when he first looked at the standard it was for Consumer IoT products like appliances and TVs so he thought it really did not apply to HCDs. However, the standard defines consumer IoT products as ""network-connected (and network-connectable) device that has relationships to associated services and are used by the consumer typically in the home or as electronic wearables". Since many printer vendors like HP sell printers that are designed for home use only, a procurement agency could easily interpret this standard as being applicable to a home printer. So, in that context that standard may very well apply to HCDs, so going through it may be worth the time.

Some of the points brought up during the discussion were:

- o Ira mentioned that ETSI is a European standards organization for the telecommunications industry with over 1000 members representing 40 countries.

- o Bill mentioned that the definition of "constrained device" in the standard was incorrect,

- o Al indicated that there were a surprisingly large number of requirements in the standard dealing with software update, including requirements around having the ability to do auto updates and for checking if updates are available. Jerry pointed out that both of these are included either directly or as selections in the HCD PP and this in the HCD cPP draft.

- o Al also mentioned that another of the software update requirements is to provide public documentation of the content of each software update; not sure how many vendors do that now.

- o Smith mentioned that HP does offer low-end printers without a control panel that would meet the standard's definition of a "constrained device".

- o Ira mentioned that lawyers are going to have fun with many of the requirements in the standard with wording like "best practice cryptography" and "timely".

- o Al mentioned that he learned a lot by going through the standard. As an example, this was the first time he had heard the term "crytoagility". Ira and Smith mentioned there are working groups that deal with this topic.

- o Al also mentioned that there were a couple of requirements he was glad to see were in the standard and wished were in other HCD standard. Examples were requirements for

publishing the defined support period for a product and not having hard-coded device security parameters in software code.

- o Smith asked a good question about how this standard would be enforced. The standard does not say anything about that topic, so Al agreed to look into it and discuss what he found at the next IDS Conference Call.

- o We only got up to the Secure Parameter Storage Requirements when we got to the end of the meeting time. We agreed to finish the review of this standard at the next IDS Conference Call.

- Since we ran out of time there was no status update on the HCD Security Guidelines or Round Table.

Actions: Al is to look up how the new ETSI Standard might be enforced.

Next Steps

- The next IDS Conference Call is scheduled for July 23, 2020 at 3:00P ET / 12:00N PT