

# IDS Conference Call Minutes

## May 28, 2020

This IDS Conference Call was stated at approximately 3:00 pm ET on May 28, 2020.

### Attendees

Gerardo Colunga	HP
Graydon Dodson	Lexmark
Erin Huber	Xerox
Ira McDonald	High North
Alan Sukert	Xerox
Bill Wagner	TIC

### Agenda Items

- The topics to be covered during this Conference Call were:
  - Results of the 05/26/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting.
  - Latest status of the HCD Security Guidelines
- AI reviewed what was discussed at the 05/26/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting. Before going into the discussion of the meeting AI reviewed the final version of the Essential Security Requirements (ESR) document that was approved by the Common Criteria Development Board (CCDB) and is included below:



HCD ESR v0.7.pdf

AI went through the list of Essential Security Requirements included in the ESR document. The big change was the inclusion of the following requirement - The HCD shall verify the hardware-anchored integrity of firmware/software, including initial boot, operating system, and applications. – that the HCD TC/iTC has been trying to get the HCD Working Group to include in the ESR document for several months.

Ira made a couple of interesting comments to the Essential Security Requirements included in the ESR document:

- One of the requirements is “User job data can be read by any user but can be modified only by the job owner or an administrator”. Ira pointed out that IPP does not allow job data to be modified by anyone but the job owner, not even by the administrator which conflicts with this requirement. AI is not sure the HCD iTC can do anything about that since one of the HCD iTC’s charter is to ensure that the HCD collaborative Protection Profile (cPP) we create implements all the Essential Security Requirements in the ESR document. AI agreed to bring the issue up to the HCD iTC at the appropriate time.
- Ira also brought up the “The HCD shall have the capability to protect LAN communications of transmitted user data and the HCD critical data from unauthorized access, replay and source/destination spoofing” requirement and the fact that this requirement would only apply to wired networks and not to wireless networks. It was explained that the current HCD PP only addresses wired networks and the current plan of the HCD iTC is that the initial version of the HCD cPP will also only support wired networks. After some discussion we agreed to bring up the issue to the HCD iTC again and see if wireless should be included in the initial version or later versions of the HCD cPP.

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- Ira also mentioned the issue of support for cellular access. It was something the HCD iTC had not yet even considered. Personally, I doubt it would be in the initial version of the HCD cPP but it certainly is something to consider for later versions of the HCD cPP.
- Al then reviewed what was discussed at the 5/26/2020 HCD iTC meeting. The vast majority of the meeting was spent on a discussion of one topic – whether the initial version of the HCD cPP should claim no EAL (Evaluation Assurance Level) or should claim an EAL. This may sound like a fairly straightforward question but it is actually a very complicated issue.

The crux of the issue is that the CCDB back in 2014 changed what was allowed to be posted on the Common Criteria Portal's Certified Product List as part of the new Common Criteria Recognition Arrangement signed by all the member nations. Part of that agreement allowed Common Criteria certifications up to EAL4 but also allowed certifications with no EALs at all, where instead Assurance Activities individually tailored to each Security Functional Requirement were included.

What happened is that different national schemes adopted different policies with respect to what EAL claims would be required. Many European countries require certifications against PPs with EAL claims, while the US and Canada require certification against US-approved PPs which can have no EAL claims. For example, the HCD PP was a bi-national PP developed by the US and Japan, so it has no EAL claim to be US-approved and any certification against it is recorded as "PP Compliant" rather than as an EAL2 or EAL3.

So, the discussion at this HCD iTC meeting was whether as an international PP the HCD cPP should claim an EAL or claim PP compliance like the HCD PP did. JBMIA, which is the Japanese vendor association, recommended to the HCD iTC that we claim PP compliance (no EAL) and that got the discussion going. After 45 minutes it was clear that there was no consensus among the iTC – we were split pretty evenly between the two positions. We agreed that this issue will have to be discussed further and if no consensus is reached, we may have to decide by voting. Which by the way is why the next couple of HCD iTC meetings will be to review the Terms of Reference document and make sure the iTC members agree on the decision making and voting process.

- In discussing all of this at the IDS Conference Call, Jerry had a very good suggestion. He mentioned that in the HCD PP we did include the Security Assurance Requirements for EAL1 in the PP but we made no claim of EAL1 as I stated above. We may be able to do something similar in the HCD cPP and that may be sufficient to placate some of the European countries who require EAL certifications.
- Ira indicated that there was no update to the status of the HCD Security Guidelines.
- Lastly, Ira provided two items that he thought might be of interest to the meeting attendees:
  1. ETSI, which is a European Standards Organization, is having a free virtual Security Week June 8-19. The link is <https://www.etsi.org/events/1653-etsi-security-week-2020> but you must register to attend. The web site says this is for anyone who is involved in standards activities which would include anyone involved in the HCD iTC or PWG.
  2. IETF is having a virtual conference IETF 108 Online July 27-31. The link for this conference is <https://www.ietf.org/how/meetings/108/>. This conference is not free and there is not much on the site at the moment. If questions best to ask Ira at this point.

### **Actions:**

Al: Discuss the issue that IPP will not allow admins to modify job data with HCD iTC at the appropriate time.

### **Next Steps**

- The next IDS Conference Call is scheduled for June 11, 2020 at 3:00P ET / 12:00N PT