This IDS Conference Call was stated at approximately 3:00 pm ET on July 23, 2020.

**Attendees**

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| Gerardo Colunga | 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 07/21/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting.
* Continue review of 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 07/21/2020 Hardcopy Device (HCD) international Technical Committee (iTC) meeting. We reviewed the attached slides that were presented at the meeting:



The key points discussed at the meeting were:

* + We continued the discussion of the two options for the HCD Supporting Documents (SD):
    - Option 1 – No EAL Claim, SARs (Security Assurance Requirements) of EAL2 without ALC\_FLR
    - Option 4 - No EAL Claim, SARs (Security Assurance Requirements) of EAL1 without ALC\_FLR

There were several comment slides presented and discussed at the meeting with arguments in favor of each option. It appeared that JBMIA, the Japanese vendor association along with Fuji Xerox was predominantly in favor of Option 4 while most American vendors were in favor of Option 1. We spent some time at the IDS call speculating why that might be the case.

After about 40 minutes of discussion I personally didn’t think we were getting close to a decision, but then several options were presented on how the iTC could move forward. After more discussion Kwangwoo decided that the best path to move forward was to go with Option 4 in the initial internal draft while at the same time working in the background to develop the assurance activities for EAL2 to implement Option 1 in later drafts of the HCD SD.

Several iTC members present at the meeting felt that since only 19 of the 50 or more SMEs in the iTC were present this issue needed to be decided by the entire iTC. So finally, it was agreed that the issue would be put out for a vote of the full HCD iTC membership, with votes due by the next HCD iTC meeting which would be Aug 4th. At that meeting this issue would finally be settled.

* For the last 10 minutes of the meeting Kwangwoo reviewed the preliminary schedule for the HCD cPP/SD that is on the Slide 7 of the slides attached above. Kwangwoo only went through the slide quickly at the HCD iTC Meeting; we went through it more thoroughly at the IDS call. Key points were:
  + It is a very accelerated schedule that leads to a published HCD cPP v1.0 and HCD SD v1.0 by the end of Oct 2021.
  + There will be two internal drafts of both documents. The first draft of the HCD cPP is available now for HCD iTC review; the first draft of the HCD SD is still TBD. The 2nd drafts of both documents are planned for Oct 2020.
  + The two public drafts of both documents will be available for public review in Mar 2021 and Jul 2021. It is in these two public drafts where new SFRs and SARs beyond what was in the HCD PP will be added.
  + There are additional milestones like getting Scheme position statements that are not shown on this slide. These milestones are included in the HCD iTC Work Plan that is maintained in GitHub. Al showed those present at the IDS call the latest draft of the HCD iTC Work Plan (v0.2); this version has to be updated to reflect this new schedule.
* We then continued our discussion of the new ETSI Cyber Security for Consumer Internet of Things Standard that we started at the last IDS Conference Call. The actual standard is included below:



Al continues review of the slides outlining the requirements from this standard that are included below:



Some of the points brought up during the discussion were:

* + We had left off a “Secure Communication Requirements”. It was noted that many of the requirements in this and other sections are vaguely worded – terms like “with such encryption ***appropriate to the properties of the technology, risk and usage***”. Will make enforcement of such a requirement difficult.
  + It was noted that the following requirement was very unique – “If an unauthorized change is detected to the software, the device should alert the user and/or administrator to the issue and should not connect to wider networks than those necessary to perform the alerting function”.
  + We had an interesting discussion about the System Resilience requirements and the meaning of “resiliency” in this context. It means more than just availability; for example, Ira pointed out that there now is the concept of “cyber-resiliency” which refers to the ability of the device to self-heal.
  + Many of the “should” statements, although not requirements per se, provide very good goals/objectives and are certain to form the basis for future European security guidance for consumer IoT.
  + At the last meeting Smith Kennedy had asked about enforcement of this standard. Al had the action to look up about it. What he found is on the last two slides in the above set of slides that came from an EE Times article on this new standard. Essentially the article postulated that enforcement could come via three methods:
    - Regulatory enforcement via the ENISA and the EU Cybersecurity Act
    - Implicit enforcement by helping companies avoid severe penalties for security breaches by showing that they followed this standard
    - A marketing tool to improve consumer confidence in a product via some type of Green/Yellow/Red rating system in terms of compliance with the standard

The article also noted a Test Spec and Implementation Guide for the standard is under development but gave no date when these are scheduled for completion.

* there was no status update on the HCD Security Guidelines or Round Table.
* Round Table:
  + IETF 108 Meeting is Jul 27–31 from 7A – 12N each day. Ost is around #300-$400. Is entirely on-line.
  + 2020 DEF CON Safe Mode is on-line and free from Aug 6-9 (<https://www.defcon.org/html/defcon-safemode/dc-safemode-index.html>)
  + Several virtual USENIX security conferences are upcoming. See <https://www.usenix.org/conferences>. The main one is the 29th USENIX Security Symposium Aug 12-14.

**Actions:** None.

**Next Steps**

* The next IDS Conference Call is scheduled for August 4, 2020 at 3:00P ET / 12:00N PT