

IDS Face-to-Face Minutes May 7, 2020

Meeting was called to order at approximately 10:00 am local May 7, 2020.

Attendees –

Steve Algernon	Apple
Smith Kennedy	HP Inc.
Cihan Colakoglu	Kyocera
Mathew Glockner	Lexmark
Sean Kau	Google
Jeremy Leber	Lexmark
Ira McDonald	High North
Alan Sukert	Xerox
Michael Rhines	Qualcomm
Michael Sweet	Lakeside Robotics
Bill Wagner	TIC
Brian Volkov	Ricoh
Rick Yardumian	Canon

Agenda Items

Note: Meeting slides are available at <https://ftp.pwg.org/pub/pwg/ids/Presentation/2020-05-07-IDS-F2F.pdf>.

1. Minute Taker
 - Alan Sukert taking the minutes
2. Agenda:
 - Introductions, Agenda Review
 - Discuss results of latest Hardcopy (HCD) international Technical Community (iTC) Meetings and potential HCD collaborative Protection Profile (cPP) v1.0 content
 - HCD Security Guidelines 1.0 Status
 - Status of other HCD Security Standards Efforts
 - Wrap-Up / Next Steps
3. Went through the PWG Intellectual Property policy.
4. Went through the minutes of the HCD iTC meetings held on 2/14/2020, 3/20/2020, 4/7/2020 and 4/28/2020. Some of the key points from this discussion were:
 - AI went through the current 31-step cPP development process that all iTCs have to meet. Right now, the HCD iTC is on step 13 – “Create the Work Plan” which has taken us the better part of 3 years to get to. Our goal is to complete the remaining 19 steps in the next two years and have HCD cPP/SD v1.0 published somewhere in the Mar/Apr 2022 time frame, which is a very ambitious goal. AI showed a very preliminary draft schedule that had:
 - Final full HCD cPP/SD drafts done by July 2021
 - Internal reviews of final full drafts done by Sep 2021
 - Final version of HCD cPP/SD v1.0 completed Oct 2021
 - Public review of final version HCD cPP/SD v1.0 done by the end of 2021/early 2022

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- Final update of HCD cPP/SD v1.0 Feb 2022
- Publishing of HCD cPP/SD v1.0
- Al then discussed his thoughts on what should go into HCD cPP v1.0 beyond what is now in HCD PP v1.1. His view was that the content should be driven by the following goals:
 - KISS – KEEP IT SIMPLE STUPID! Or in other words – don't try to do too much in v1.0; we can't solve everything in two years.
 - Just cover the basic requirements that HCD vendors will need in the 2022 time frame.
 - We should plan for a v1.1 by the end of 2022 to cover any key SFRs we can't get into v1.0.
 - We need to keep in sync with the changes in the Network Device cPP but we can't let the ND iTC control what we do either – there has to be a balance because HCDs are different in many ways for other network devices
 - We have to anticipate what is coming (e.g., FIPS 140-3, sunsetting SHA-1) as much as possible over the next two years in determining what SFRs to add/modify

Based on that, Al's view was that HCD v1.0 should **only** contain the following content beyond HCD PP v1.1:

- Support for FIPS 140-3
 - Removal of all SHA-1 support
 - Removal of support for TLS 1.0 and TLS 1.1
 - Implement the TLS and SSH packages coming from the CCDB Crypto Working Group
 - **IF rolled out in next 6-12 months via a TLS package or via ND cPP**, support for TLS 1.3
 - Implement any new NIAP TDs against the HCD PP
 - Implement any ND cPP changes, any new NIAP TDs against the ND, FDE AA or FDE EE cPPs or any FDE AA cPP/FDE EE cPP interpretations that the HCD iTC determines are applicable
 - Anything that the HCD iTC as a group determines is an "absolute must have" in v1.0; anything less has to go in v1.1 or later
- Ira discussed compact TLS. Even though it probably won't become part of the Network Device (ND) cPP or of the HCD cPP it is a topic that does deserve watching in the future.
 - The HCD iTC will be closely following what the ND iTC does regarding implementation of TLS (especially TLS 1.3) and SSH.
 - Bill Wagner asked a very good question about whether changes to the HCD cPP and the HCD Supporting Document (SD) have to be kept in sync. Not sure of the answer although they probably should be; we'll have to ask other iTCs to see how they view that question.
 - Another good question was whether the HCD iTC would accept Technical Decisions (TDs) from various country Schemes. Basically, as long as a country recognized the HCD cPP/SD the HCD iTC would be bound to accept any TDs against the HCD cPP or SD that country issued.
5. Ira went through a couple of slides on his proposed schedule and content for his HCD Security Guidelines. Some key points Ira made were:

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- The document will be a “best practices” document.
 - The first chapter he will work on next will be Chapter 4 on HCD Network Security. It will discuss topics like stateless firewalls and the ND cPP firewall package as well as SSH and IPP everywhere. Ira only plans on having 2-3 paragraphs on each network protocol and only covering the major ones.
 - When asked, Ira said he will address topics like physical security in some way in the guidelines.
 - In Chapter 6 on HCD System Architecture Ira will cover things like anti-virus and hardware support for isolation.
 - AI asked about the scope of the document in terms of what types of HCDs these guidelines will cover. Ira indicates the guidelines should be able to cover in some way all types of HCDs from Single Function Printers up to large production machines.
 - Ira indicated that he hopes that the next draft of the HCD Security Guidelines will be available for IDS WG review in Jun 2020.
6. AI then discussed additional standards activities beyond the HCD iTC that had been discussed at the 4/16/2020 IDS Conference Call. AI decided to look into two of the potential standards bodies that Ira had suggested - RATS (Remote ATtestation Procedures) and SAAG (Security Area Advisory Group) and signed up for both groups. He showed some of the latest emails from both RATS and SAAG.

Although the RATS topics were not of personal interest to AI (they seemed to be more oriented towards topics that IPP WG members might be more interested in) the SAAG topics were as they covered issues like cryptography and X.509 certificates. But the point was that all IDS WG members should check out the sites Ira recommended for themselves and see which ones are of interest as individuals and to the IDS WG as a whole.

7. Wrap Up

- Next IDS Conference Call will be on May 28, 2020.
- Next IDS Face-to-Face Meeting will be during the next PWG Virtual Face-to-Face Meeting August 26-27, 2020 (probably Aug 27th).

Actions: There were no actions resulting from this meeting.

The meeting was adjourned at 12:00 noon local on May 7, 2020.