The Printer Working Group

Imaging Device Security

November 14, 2016

Virtual Face-to-Face

Agenda

When	What
10:30 – 10:40	Introductions, Agenda review
10:40 – 11:55	Discuss Nov 2016 MFP TC Meetings
11:55 – 12:25	Other Topics
12:25 – 12:30	Wrap Up

Intellectual Property Policy

"This meeting is conducted under the rules of the PWG IP policy".

- Refer to the IP statements in the plenary slides

Officers

- Chair:
  - Alan Sukert (Xerox)
- Vice-Chair:
  - Currently Vacant
- Secretary:
  - Alan Sukert (Xerox)
- Document Editors:
  - Ira McDonald (High North): HCD-TNC

New HCD Protection Profile

- The new Protection Profile for Hardcopy Devices (PP_HCD_V1.0) was published on September 11.
- You can find it on NIAP's web site …
  https://www.niap-ccevs.org/pp/PP_HCD_V1.0/
- … and on IPA's (including links to both the original and the Japanese translation)
  https://www.ipa.go.jp/security/publications/pp-jp/hcd.html
- It is a US/Japan PP, not a "cPP" with broader international support.

- Both NIAP and IPA agreed that they would coordinate with each other in terms of interpretations, sharing information and making changes to the HCD PP
  - IPA will accept HCD PP interpretations by NIAP
  - NIAP will share with IPA any HCD PP changes made by the NIAP TRRT process
  - NIAP will generally accept HCD PP changes made by IPA, but will review the changes if they are "drastic" or made without some type of decision
  - Goal is consistency between the two Schemes

- HCD cPP Status
  - Addressing crypto requirements outside of the US and Japan (where FIPS is not recognized) is a barrier towards making the HCD PP into an HCD cPP
  - No proposal for creating an HCD cPP was made at the Sep 2016 CCRA Meeting
  - NIAP does not have the bandwidth to lead this effort
  - To gain any traction requires other Schemes besides the US and Japan to lead this effort, but the TC might write an ESR

- Acceptance of MFP products
  - Per CCRA products certified against the HCD PP should be recognized by all member countries
  - Is the issue of what MFPs NIAP will accept for sale to US customers until the first MFPs get certified against the HCD PP
    - NIAP will assess MFPs listed on the Common Criteria portal to see if they can be sold to US customers

- Resolution of HCD PP Issues
  - NIAP wants vendors to submit a TRRT item for missing Assurance activities like for FCS_COP.1(i)
  - NIAP has developed a template to address the use of SSDs that still has to be adapted for the HCD PP
    - Will push use logical overwrite for SSDs instead on traditional overwrite to free up memory and use of garbage collection
  - NIAP will address the use of Trusted Platform Modules (TPMs)
  - Need to hold further discussions on use of True Random Number Generators (TRNGs) as opposed to Deterministic RNGs

- Resolution of HCD PP Issues (Continued)
  - NIAP will be publishing guidance around Thanksgiving on how the use of FIPS certified modules will meet storage encryption and the assurance activity requirements for the various crypto SFRs in the HCD PP
  - NIAP feels the HCD PP is specific enough already on what should go into the Entropy document and the Key Management Description (KMD)
    - Level of detail and format for both documents is up to the vendor

HCD PP Concerns

- Previously Expressed Concerns with current / future PP:
  - Including single device (e.g. printer) within MFP PP
  - Ensuring referenced standards are more international
  - Address Scheme specific (e.g., Korean) crypto requirements
  - Complying with multiple HCD PPs (e.g., Samsung now has to comply with IEEE PP and HCD PP) reinforces need for an HCD cPP

- Any other concerns or issues???

Wrap Up

- Will inform JISEC and NIAP as issues with use of the new HCD PP arise
- Will monitor any movement towards an HCD cPP and formation of the corresponding iTC