The Printer Working Group

Imaging Device Security
August 24, 2016
Camas WA
## Agenda

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<td>9:00 – 9:10</td>
<td>Introductions, Agenda review</td>
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<td>9:10 – 10:15</td>
<td>Review Issues/Concerns on new HCD PP</td>
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<td>10:15 – 10:30</td>
<td>Review issue resolution process</td>
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<td>10:30 – 10:50</td>
<td>Common Criteria/ICCC Update</td>
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<td>10:50 – 11:00</td>
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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/](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](https://www.ipa.go.jp/security/publications/pp-jp/hcd.html)
- It is a US/Japan PP, not a “cPP” with broader international support.
Issues with the new HCD PP

• How to adapt requirements, for example
  • Key destruction with Solid State Drives (SSDs), where overwrite doesn’t work
  • Using TPMs as a TRNG source
  • Other problem areas?

• Clear direction from NIAP on what assurance activities can be eliminated if use FIPS-certified modules for encryption

• Lab interpretation vs. Scheme interpretations of the Security Functional Requirements (SFRs)

• Level of detail required in the TOE Security Specification (TSS) portion of the Security Target

• Use of the HCD PP in US vs. Japan

• Other Issues???
Issues resolution processes

- NIAP’s TRRT
  - Has anyone used it?
  - Satisfactory results?
  - Are there international issues? (Japan, or beyond?)

- Should we anticipate the need for an “interpretations team” like the Network iTC’s “NIT”?
Common Criteria/ICCC Update

- MFP TC meetings held at the 9th CCUF-CCDB Workshop in Seoul Korea in April 2016.
  - Participants from Japanese and Korean schemes plus Samsung and Apple
  - Japanese Scheme (IPA) working on translation of HCD PP related documents / standards to enable Japanese vendors to evaluate against HCD PP
  - IPA and NIAP open to creating iTC / cPP. Korea is also interested
  - Schemes will discuss creation of an iTC and provide an update. IPA will initiate discussions. Germany and Sweden may also be interested but are not actively engaged at this point
Common Criteria/ICCC Update

- 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

- Samsung now has to comply with IEEE PP and HCD PP. Supports single cPP.
Wrap Up

- Will inform IPA and NIAP as issues with use of the new HCD PP arise
- Will monitor move to an HCD cPP (formation of a CCDB WG, ESR development, creation of an HCD iTC)