

Internet Printing Protocol Workgroup Meeting Minutes August 1, 2019

Meeting was called to order at approximately 3pm ET on August 1, 2019.

Attendees

Cihan (Kyocera)
Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - http://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
 - IP policy accepted, Mike taking minutes
2. Approve IPP minutes from previous meetings
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20190718.pdf>
 - Approved as posted.
3. Status/Review of various IPP mailing list notes
 - <https://www.pwg.org/archives/ipp/2019/020184.html>
 - RFC: Registration Template for printer-firmware-xxx attributes
 - Consensus: OK to register
 - Q: System service allows you to upgrade firmware via resources, why no attributes defined to report the version separately?
 - A: Add parallel system-firmware-xxx System Status attributes in system service
 - Action: Mike and Ira to review HCD-ATTR for candidate attributes for inclusion in IPP System
 - Want to cherry-pick the attributes to those that are most useful for device management
 - Resource object already includes the version/name/patch details, just need to be exposed at the top level
 - Also add the printer-firmware-xxx attributes to IPP System
 - Maybe make them recommended for IPP Everywhere v1.1
 - <https://www.pwg.org/archives/ipp/2019/020190.html>
 - Fwd: [iot-sg] FYI: Open Source Limpet Mod for RPi 2/3/4 available to build
 - Add a TCG TPM 2.0 to the underside of a Raspberry Pi (cheaply)
 - <https://www.pwg.org/archives/ipp/2019/020191.html>
 - Fwd: [lwc-forum] The Third Lightweight Cryptography Workshop
4. Status of AMSC and ISO liaisons w/ PWG (Paul)

- <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20190701.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20190729.htm>
 - See PWG Steering Committee minutes from 07/01/19 and 07/29/19
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
- IPP Authentication Methods (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippauth-20190702-rev.pdf>
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-ippauth-r2.txt>
 - Stable draft - for a Best Practice
 - IPP WG LCRC review on 27 June 2019
 - PWG Formal Vote started 17 July 2019 and ends 16 August 2019
 - Schedule - PWG publication in Q3 2019
 - IPP Job Extensions v2.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobext20-20190718.pdf>
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-ippjobext20.txt>
 - Stable draft - for a Candidate Standard
 - IPP WG LCRC review on 18 July 2019
 - PWG Formal Vote started 18 July 2019 ends 16 August 2019
 - Schedule - PWG publication in Q3 2019
 - IPP System Service (Ira/Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20190626-rev.pdf>
 - Stable draft - for a Candidate Standard
 - IPP WG Last Call ended 31 May 2019 w/ 1 comment
 - IPP WG review on 18 July 2019
 - 1 resolved DISCUSS w/ edits pending for new version
 - Reduce Xxx Job and Xxx Service to a generic Job and Service definitions
 - Schedule - PWG Last Call in Q3 2019
6. Quick Review of IPP Job and Printer Extensions Set 3 v1.1 (Smith)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext3v11-20190724-rev.pdf>
 - Interim draft - for a Candidate Standard
 - Fixed all errata
 - Added PWG Message Catalog Help Extensions (HELPME)
 - Added HP Print Quality Customization
 - Schedule - Prototype draft in Q3/Q4 2019
 - Section 2.4:
 - Q: Do we need to keep Kerberized Printing definition?
 - A: Yes, keep for uri-authentication-supported='negotiate' keyword
 - Global: Update TLS references to TLS 1.3 and corresponding RFC
 - Section 3.3
 - Need to at least point to the standard exceptions in IPP/1.1 (STD92)
 - Action: Mike to update WD template for standard IPP/1.1 exceptions
 - Section 4:

- Title: "IPP Model"
- May want to add some intro text here
- Section 4.2:
 - Change 'attribute "filtering"' to 'Filtering of attributes' (defined term)
 - Change "IPP/1.1 Model and Semantics" to just "IPP/1.1"
- Section 4.4:
 - Add informative reference for ICC (spell out the acronym, too)
- Section 4.5:
 - Add informative references to macOS and NeXTStep
- Section 6.2.2:
 - Just deprecate, resolve comment
- Section 6.5.1:
 - Comment: Add this attribute to the "Changes since PWG 5100.13-2012" section
- Section 6.x.y:
 - Drop "READ-ONLY" since they are status attributes (READ-ONLY is implied)
- Section 6.7.3:
 - Move to obsolete attributes section, obsolete because RFC 3381 is obsolete
- Section 6.8.4:
 - Move obsolete stuff to separate obsolete values section, provide forward section reference
 - Move proof-print definition to EPX spec, note the move in the changes section
- Section 6.8.5:
 - Line 1242: "Both ENCODINGS are syntactically ..."
 - Line 1243: "is more concise and less error-prone."
- Section 6.8.9:
 - Note the typo in the changes section
- Section 6.8.10:
 - Move to obsolete attributes section
- Section 6.8.11:
 - Need alternative to "specifies" (indicates?)
- Section 6.8.13:
 - "This attribute lists"
 - Figure 4: Add "print-color-mode" member attribute to each of the soft-proof-icc-profiles collections (used to select the profile on the client side)
 - Figures might get moved - add Model 4.x subsection for localization and print quality/color mode, move strings example to strings format section
- Section 6.8.23.1:
 - Table 8: Delete PWG SM Keyword column
- Section 6.8.23.2:
 - Delete comment (not moving)
- Stopped at the end of page 52, resume at the top of page 53 at next call

8. IPP Registry
 - 21 unique links to mailing list registrations
 - To-do: move these to static PDF files on the FTP server in the IPP registrations directory
9. Quick Review of IPP Production Printing Ext v2.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20190626-rev.pdf>
 - Errata update of PWG 5100.3-2001
 - Interim draft - for a Candidate Standard
 - IPP WG review on 24 June 2019
 - Non-production attributes moved to IPP Job Extensions v2.0
 - Schedule - Prototype draft in Q3 2019
 - Did not get to this
10. Quick Review of IPP Everywhere 1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20190627-rev.pdf>
 - Stable draft - for a Candidate Standard
 - PWG F2F discussion in April 2019
 - Defer IPP WG Last Call until IPP Everywhere Self-Cert v1.1 is ready
 - Schedule - Stable working drafts/beta tools in Q3 2019
 - Did not get to this
11. Status of various IPP documents (All)
 - IPP Job Accounting v1.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20190418.pdf>
 - Initial draft - for a Best Practice
 - Schedule - TBD
 - IPP Everywhere Self-Certification Manual v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20180704-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG F2F discussion in April 2019
 - Update and start IPP WG Last Call together w/ IPP Everywhere v1.1
 - Schedule - Stable working drafts/beta tools in Q3 2019
 - IPP Encrypted Jobs and Documents (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20190418-rev.pdf>
 - Interim draft - for a Candidate Standard
 - PWG F2F review in April 2019
 - Updated to change from Registration to Specification
 - Schedule - Prototype draft Q3 2019
12. Open Printing update (Ira)
 - OP monthly calls (06/04/19) and (07/09/19)
 - OP website renovation progress - delay until fall (after GSoC completes)
 - GSoC 2019 Accepted student proposals announced (05/06/19)
 - All five OP projects received GSoC 2019 slots and have assigned students
 - GSoC 2019 coding started on 27 May 2019

- GSoC Phase 1 Evaluation ended on 28 June 2019 - all OP students passed
- GSoC Phase 2 Evaluation ended on 26 July 2018 - all OP students passed
- Both IPP test suite projects are going well

Next Steps / Open Actions

- Next conference calls on August 15, 2019 at 3pm ET
- Action: Mike and Ira to review HCD-ATTR for candidate attributes for inclusion in IPP System
- Action: Mike to update WD template for standard IPP/1.1 exceptions
- Action: Mike post an updated stable draft of JOBEXT and then start PWG Formal Vote ending August 16 (DONE)
- Action: Smith to review and sign INCITS liaison agreement if ISTO and Smith are OK with it (IN PROGRESS - current agreement is a membership agreement)