

Internet Printing Protocol Meeting Minutes

July 16, 2020

Meeting was called to order at approximately 3pm EDT.

Attendees

Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Chris Rizzo (Xerox)
Anthony Suarez (Kyocera Document Solutions)
Michael Sweet (Lakeside Robotics)
Bill Wagner (TIC)
Uli Wehner (Ricoh)
Steven Young (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - https://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-20200618.pdf>
 - Approved as posted
 - "proof-print" Job Template attribute mailing list query:
 - HP has never implemented
 - Xerox will provide some feedback - not using IPP for Xerox proof print functionality?
 - No other responses so far
 - Mike has posted a reminder
 - Reminder: focus is to determine whether proof-print is still important and has been widely implemented. If not, we plan to deprecate (still available, just no longer recommended)
3. Status/Review of various IPP mailing list notes
 - <https://www.pwg.org/archives/ipp/2020/020592.html>
 - Fwd: [Cbor] Publication has been requested for draft-ietf-cbor-7049bis-14
 - <https://www.pwg.org/archives/ipp/2020/020597.html>
 - FYI - IPP exposure to open internet
 - <https://www.pwg.org/archives/ipp/2020/020603.html>
 - RFCs paginated for Letter, but printed to PDF on A4?
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200601.htm>

- <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200615.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200629.htm>
 - See PWG Steering Committee minutes from 06/01/20, 06/15/20, 06/29/20
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
- IPP Everywhere v1.0 Printer Self-Certification Tools Update 5 (Mike)
 - IPP Everywhere v1.1 Printer Self-Certification Tools Update 1 (Mike)
 - <https://www.pwg.org/archives/ipp/2020/020589.html>
 - <https://www.pwg.org/archives/ipp/2020/020590.html>
 - IPP WG status on 4 June 2020
 - IPP WG Last Call started 17 June 2020 open-ended (wait for responses)
 - Schedule - Approval for IPP Everywhere v1.0 and v1.1 Tools in Q3 2020
 - Lexmark reports success with the new tools
 - Mike has posted a reminder to the list...
6. Quick Review of Job Accounting for IPP v1.0 (Mike)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20200608-rev.pdf>
 - Interim draft - for a Best Practice
 - PWG Review at PWG/OP Virtual F2F on 05/06/20
 - IPP WG status 18 June 2020
 - Schedule - Prototype draft in Q3/Q4 2020
 - Section 4.1:
 - Drop comment MRS1 - existing use cases now address the concern
 - Add a section 4.x for Authenticated Guest
 - Describe common authenticated guest methods
 - Section 6.5:
 - End User instead of "submitter"
 - Reference new section 4.x Authenticated Guest
7. Quick Review of IPP Enterprise Printing Ext v2.0 (Smith)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20200630-rev.pdf>
 - <https://www.pwg.org/archives/ipp/2020/020585.html>
 - <https://www.pwg.org/archives/ipp/2020/020576.html>
 - Interim draft - for a Candidate Standard
 - IPP WG review of feature slides on 06/04/20 - stopped at slide 16
 - Schedule - Prototype draft in Q3/Q4 2020
 - Stopped at section 4.4 in the previous revision
 - Section 4.4:
 - Title: "Proof and Pause" or "Proof and Suspend"
 - We can decide whether to add a new Job Template attribute or a member attribute for "proof-print".
 - Regardless, need to cleanly define existing "proof-print".
 - Concern is backwards-compatibility
 - proof-print-default could define default end-of-proof state (paused or completed)
 - CUPS (Linux/ChromeOS/macOS) does not support proof-print
 - Mention Suspend-Current-Job (RFC3998) and Resume-Job (also

- RFC3998) to resume printing
 - While in the processing-stopped state, Set-Job-Attributes can be used to change attributes while stopped
 - "xxx-actuals" attributes reflect all of the values used during processing
- Q: Should we limit proof print to the number of copies to print for proofing?
 - A: More research needed, but might be reasonable in 2020
- Q: Does the proof-and-hold definition cover existing vendor proof print feature?
 - A: Probably, need to confirm.
 - Main difference is that the old proof-print functionality doesn't work the same way as current proof print
 - HP: Proof print does N copies, pauses, and then waits for user to say yes/no to continue rest of job (no cancels the rest of the job)
- Finish up this section.
- Maybe merge 4.4 and 4.5 into a single Proof Print section, and then 4.4.1 for Proof Print and Pause, 4.4.2 for Proof Print and Resubmit, 4.4.2 can be a short description and a reference to the old JPS2.
- Global: "proof-and-hold" to "proof-and-pause"
- Section 4.6.1:
 - Table 3: Remove
 - 'store-only' is not allowed with Job Release or Proof Print
 - Need new title: "job-storage"='store-only' and Job Release or Proof Print
 - Move to a subsection of 4.2 with references to Job Release (4.1) and Proof Print (4.4)
- Stopped at the end of 4.x.
- 8. Recent IPP Wiki Pages (Mike)
 - <https://github.com/istopwg/ippsample/wiki/IPP-Everywhere-Value-Proposition-Discussion-Points>
 - IPP Everywhere Value Proposition Discussion Points
 - Deferred to next meeting
- 9. Status of various IPP documents (All)
 - Updates to IPP System Service / INFRA for Cloud (Cihan, Mike)
 - <https://www.pwg.org/archives/ipp/2020/020540.html>
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20200506.pdf>
 - PWG discussion at PWG/OP Virtual F2F on 05/06/20
 - IPP WG status 18 June 2020
 - Cihan plans to continue PWG participation as an individual
 - Schedule - IPP Registration in Q3/Q4 2020
 - IPP Production Printing Ext v2.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippv2-20200429-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG Review at PWG/OP Virtual F2F on 05/08/20

- Just waiting on prototyping in ippsample
 - Schedule - Stable draft in Q3/Q4 2020
 - IPP Driverless Printing Extensions v2.0 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd-ippnodriver20-20200204-rev.pdf>
 - Interim draft - for a Candidate Standard
 - PWG Review at PWG/OP Virtual F2F on 05/08/20
 - Schedule - Prototype draft in Q3/Q4 2020
 - IPP Encrypted Jobs and Documents v1.0 (Mike/Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20200218-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG F2F review on 6 February 2020
 - Schedule - Stable draft in Q3/Q4 2020
10. Open Printing update (Ira)
- <https://openprinting.github.io>
 - <https://developers.google.com/open-source/gsoc>
 - OP website is now live w/ IPP Everywhere logo and GSoC 2019/2020 info
 - OP monthly calls on 03/17/20, 04/07/20 and upcoming 05/12/20
 - GSoC 2020 Timeline (*updated)
 - DONE - 30 April* - Student Project selections due from Org Admins
 - DONE - 4 May* - Accepted student projects announced
 - DONE - 1 June* Coding officially begins!
 - DONE - 29 June* - Mentors and students can begin submitting Phase 1 evaluations
 - DONE - 3 July* - Phase 1 Evaluation deadline
 - 27 July* - Mentors and students can begin submitting Phase 2 evaluations
 - 31 July* - Phase 2 Evaluation deadline
 - 24-31 August* - Final week: Students submit final work and mentor evaluations
 - 31 August to 7 September* - Mentors submit final student evaluations
 - 8 September* - Final results of Google Summer of Code 2020 announced

Next Steps / Open Actions

- Next conference calls July 30 and August 13, 2020 at 3pm
- Finish EPX at next concall
- Action: Mike to post call for implementations of proof-print to IPP list (DONE)
- Action: Cihan to post a summary of the Cloud/INFRA discussions to the IPP mailing list and start work on an IPP Registration document (PENDING)