

Internet Printing Protocol Meeting Minutes

May 21, 2020

Meeting was called to order at approximately 3pm EDT.

Attendees

Cihan Colakoglu (Kyocera Document Solutions)
Smith Kennedy (HP)
Ira McDonald (High North)
Chris Rizzo (Xerox)
Michael Sweet (Lakeside Robotics)
Bill Wagner (TIC)

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-20200423.pdf>
 - IPP WG regular call on 04/09/20
 - Approved as posted
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20200506.pdf>
 - IPP sessions at Joint PWG/OP Virtual F2F on 05/06/20 to 05/08/20
 - Approved as posted
3. Status/Review of various IPP mailing list notes
 - <https://www.pwg.org/archives/ipp/2020/020538.html>
 - IPP Everywhere Self Certification Process (Bill, Mike)
 - <https://www.pwg.org/archives/ipp/2020/020547.html>
 - Clarification of Best Practice Conformance Terminology - MUST is allowed
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200323.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200406.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200420.htm>
 - See PWG Steering Committee minutes from 03/23/20, 04/06/20, 04/20/20
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
 - IPP Everywhere v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20200417.pdf>
 - Stable draft - for a Candidate Standard errata update
 - IPP WG review on 9 April 2020
 - PWG Call for Objections ended 15 May 2020
 - No objections, a few editorial comments (corrections)

- pending)
 - Schedule - Approval at June 4, 2020 IPP workgroup meeting
 - IPP Everywhere Self-Certification Manual v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20200312.pdf>
 - Stable draft - for a Candidate Standard errata update
 - IPP WG Last Call ended on 12 March 2020
 - IPP WG discussion on 9 April 2020
 - PWG Call for Objections ended 15 May 2020
 - No objections, no editorial comments
 - Schedule - Approval at June 4, 2020 IPP workgroup meeting
 - IPP Everywhere v1.1 Printer Self-Certification Tools (Smith/Mike)
 - <https://www.pwg.org/archives/ipp/2020/020499.html>
 - IPP WG Last Call ended 12 March 2020
 - PWG Discussion at PWG/OP Virtual F2F on 05/06/20
 - Three issues reported:
 - Test for finishings support should look for values other than '3' (none)
 - <https://github.com/istopwg/ippeveselfcert/issues/47>
 - Identify-Printer test happens before HAVE_IDENTIFY_PRINTER is defined
 - <https://github.com/istopwg/ippeveselfcert/issues/48>
 - Get-Printer-Attributes with requested-attributes issues
 - <https://github.com/istopwg/ippeveselfcert/issues/50>
 - Chris: Can we still have a strict mode for the tests?
 - Mike: Sure, will look into adding it, tracking with issue #51
 - Mike working on fixes and will release another candidate for the 1.1 tools
 - Schedule - Approval at June 4, 2020 IPP workgroup meeting
6. PWG IPP Registry Policy (Smith)
- <https://ftp.pwg.org/pub/pwg/general/process/ipp-registry-policy-20200518.txt>
 - IPP WG final review started 10 April 2020 ended 20 April 2020
 - PWG Steering Committee review and approval 18 May 2020
 - Schedule - PWG announcement Q2 2020
7. Review of IPP System Service Discovery (Mike)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsysdisc10-20200427-rev.pdf>
 - <https://www.pwg.org/archives/ipp/2020/020523.html>
 - Stable draft for an IPP Registration on 27 April 2020
 - Prototyped in PAPPL project / planned to be added to "ippserver"
 - Action: Mike to start IPP WG last call of System Service Discovery, ending June 4, 2020
8. Encoding of "printer-supply" (Chris Rizzo)
- <https://www.pwg.org/archives/ipp/2020/020533.html>
 - PWG Discussion at PWG/OP Virtual F2F on 05/07/20
 - Consensus: make colorant values OPTIONAL in the ABNF,

CONDITIONALLY REQUIRED in the NODRIVER Table (since NODRIVER updates JPS3) with Note that they are required for supplies that are colorants - toner, ink, etc.

- Also markerindex - make it CONDITIONALLY REQUIRED for Printers with multiple markers
 - Reword note for supply index.
 - Smith will fix the order of rows and notes
9. Updates to IPP System Service and IPP INFRA (Cihan, Mike)
- <https://www.pwg.org/archives/ipp/2020/020540.html>
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20200506.pdf>
 - See section 9 of IPP F2F minutes
 - PWG Discussion at PWG/OP Virtual F2F on 05/08/20
 - Schedule - IPP Registration in Q2/Q3 2020
 - Cihan has volunteered to write a first draft of an IPP Registration document
 - Template: <https://ftp.pwg.org/pub/pwg/general/templates/reg-template.docx>
 - Mike and Ira have volunteered to review a first draft
 - Mike will add links to IPP System and the new registration (when available) on the IPP workgroup page for IPP INFRA
10. Simplified "print-quality-col" for IPP Driverless (Smith, Mike)
- <https://github.com/istopwg/ippsample/wiki/IPP-Print-Quality-Discussion>
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20200506.pdf>
 - See section 7 of IPP F2F minutes
 - PWG Discussion at PWG/OP Virtual F2F on 05/08/20
 - Schedule - Resolution in Q2 2020
 - Q: Do we want a quality priority?
 - A: Maybe, but let's not try to solve this for NODRIVER
 - Q: Can collections be extended by vendors?
 - A: Yes!
 - Q: Is this appropriate for NODRIVER, and do we expect Clients to support it?
 - A: Yes
 - print-quality-col can act as a print quality preset, for simplified UI
 - Leaves open possibility of vendor extensions (in the -supported attributes) for "expert" UI, as appropriate
 - Next steps:
 - Rename print-quality-hints-supported to print-quality-attributes-supported
 - Add print-quality-col as previously agreed
11. Recent IPP Wiki Pages (Mike)
- How to Support TLS Before the Date and Time Is Set
 - <https://github.com/istopwg/ippsample/wiki/How-to-Support-TLS-Before-the-Date-and-Time-Is-Set>
 - Q: How do other kinds of devices do this?
 - A: They don't. No standard solution for IoT, generally dismissive of self-signed certs and lots of proprietary device

- provisioning solutions
 - Q: What does a Printer need date/time information for?
 - A: Client certificate validation, self-signed certificate generation, date-time-at-xxx, xxx-date-time, and printer-current-time values
 - Q: What about GPS/radio time receivers?
 - A: Not considered, but given the cost of such things vs. RTCs and the added certifications needed, those are highly unlikely to be on an entry-level printer
 - Consensus is that using the Date: header is probably the least problematic for this class of device, after first trying NTP against a well-known time service (or one discovered via DHCP)
 - Add link to Google "rough time" documentation regarding Date: header
 - Mike will update the wiki with this discussion
 - IPP Everywhere Value Proposition Discussion Points
 - <https://github.com/istopwg/ippsample/wiki/IPP-Everywhere-Value-Proposition-Discussion-Points>
 - Deferred
- 13. Status of various IPP documents (All)
 - 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 Q2/Q3 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 Q2/Q3 2020
 - Job Accounting for IPP v1.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20200427-rev.pdf>
 - Interim draft - for a Best Practice
 - PWG Review at PWG/OP Virtual F2F on 05/06/20
 - Schedule - Prototype draft in Q2/Q3 2020
 - IPP Production Printing Ext v2.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20200429-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 or otherwise)
 - Schedule - Stable draft in Q2/Q3 2020
 - IPP Enterprise Printing Ext v2.0 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20200504-rev.pdf>
 - <https://www.pwg.org/archives/ipp/2020/020532.html>
 - Interim draft - for a Candidate Standard

- PWG Review at PWG/OP Virtual F2F on 05/07/20
 - Schedule - Prototype draft in Q2/Q3 2020
14. 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
 - 1 June* Coding officially begins!
 - 29 June* - Mentors and students can begin submitting Phase 1 evaluations
 - 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 June 4 and June 18, 2020 at 3pm
- Next meeting: EPX 2.0
- Action: Mike to start IPP WG last call of System Service Discovery, ending June 4, 2020
- Action: Paul to share Digital Additive Manufacturing Marathon content, if possible (PENDING)
- Action: Mike to update document templates to use https: for all links (PENDING)
- Action: Mike to review section 11 of NODRIVER, suggest changes to be consistent with STD92 (PENDING)
- Action: Mike and Ira to contact UK GovPrint for current status (CLOSED - Ira tried but the email address bounced back; deferred until we hear back)