

Internet Printing Protocol Workgroup Meeting Minutes

September 13, 2018

Meeting was called to order at approximately 3pm ET on September 13, 2018.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
Bill Wagner (TIC)
Uli Wehner (Ricoh)
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-20180830.pdf>
 - Approved as posted
3. Status/Review of various IPP mailing list notes
 - <http://www.pwg.org/archives/ipp/2018/019770.html>
 - Registration request (#2) for attributes from "Wi-Fi Peer-to-Peer Services Print (P2Ps-Print) Technical Specification v1.1" for PCLm
 - <http://www.pwg.org/dynamo/eveprinters.php>
 - 353 IPP Everywhere Self-Certified Printers
 - <http://www.pwg.org/archives/ipp/2018/019771.html>
 - <https://www.bloomberg.com/news/articles/2018-09-10/hp-pitches-3d-metal-printer-in-bid-to-expand-in-manufacturing>
 - HP 3D Metal Printer announcement
 - Q: Are there things we need to add to IPP 3D v1.1 to support this printer?
 - A: Possibly, but focus is on manufacturing/production and not prototyping/novelty printing
 - Not currently a lot of demand for using IPP in this space
 - Mike: Maybe not for talking directly to these printers, but what do we need in IPP 3D to support service bureau's that accept small "manufacturing" jobs?
 - Smith will spend some time with his 3D counterparts to determine whether there are other job ticket/capability elements that are needed
 - Also Mike/Smith/Paul to review recent 3MF publications/

news

4. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20180827.htm>
 - See PWG SC minutes from 27 August 2018
5. Status of Safe G-Code (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgsafegcode10-20180704-rev.pdf>
 - Prototype draft - PWG F2F review in August 2018
 - Schedule - IPP WG Last Call Q4 2018
6. Status of IPP 3D Printing Extensions v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d11-20180704-rev.pdf>
 - Prototype draft - PWG F2F review in August 2018
 - Schedule - PWG Last Call Q4 2018
7. Status of How to Print Using the IPP (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippguide-20180430.html>
 - <https://github.com/istopwg/pwg-books>
 - PWG F2F review in May 2018
 - Current HTML draft available in Github repository
 - Schedule - TBD
8. Status of IPP Encrypted Jobs and Documents (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20180328-rev.pdf>
 - Interim draft - PWG F2F review in May 2018
 - Good news - PGP-based path forward on 06/04/18!
 - Schedule - Mike to work on updated draft w/ just PGP this fall
9. Status of IPP System Service (Ira/Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20180701-rev.pdf>
 - Prototype draft - PWG F2F review in August 2018
 - Prototyping tasks being tracked as a Github project
 - Schedule - prototype in "ippserver" - Stable draft in Q3/Q4 2018
10. Status of IPP Everywhere Printer Self-Certification 1.0 Update 3?
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20180515.pdf>
 - Goals, ipptool and ipppfind updates
 - Now have code signing certificate!
 - Schedule - Mike to release beta of update 3 for testing soon
11. Status of IPP Everywhere 1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20180704-rev.pdf>
 - Prototype draft - PWG F2F review in August 2018
 - Schedule - Q3/Q4 2018
12. Status of IPP Everywhere 1.1 Self-Certification Manual 1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20180704-rev.pdf>
 - Prototype draft - PWG F2F review in August 2018
 - Schedule - Q3/Q4 2018
13. Review of TLS/1.2 and TLS/1.3 Highlights (Ira)
 - <https://ftp.pwg.org/pub/pwg/ipp/slides/ipp-tls12-tls13-highlights-20180913.pptx>
 - <http://www.pwg.org/archives/ipp/2018/019772.html>
 - Current and future directions for TLS
 - Slide 16: Change SecureTransport (macOS) to Network.framework

- Q: What about Apache support for TLS/1.3?
 - A: See wikipedia link on slide 17
 - In general, basic TLS/1.3 support should come automatically with a supporting version of OpenSSL/LibreSSL, 0-RTT support will need additional changes
- 14. Status of IPP HTTP Authentication best practices (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippauth-20180913-rev.pdf>
 - <http://www.pwg.org/archives/ipp/2018/019766.html>
 - Interim draft - PWG F2F review in August 2018
 - IPP WG consensus to publish as PWG Best Practice
 - Schedule - TBD
- 15. Status of JPS2 v2 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext2v20-20180904.docx>
 - <http://www.pwg.org/archives/ipp/2018/019764.html>
 - Initial draft - fixed issues Mike pointed out - for IPP WG review
 - Will incorporate Reprint Password in major JPS2 revision
 - Schedule - TBD
- 16. Status of PWG Printer MIB and IPP MFD Alerts 1.1 (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-pmpmfdalerts10-20180813-rev.pdf>
 - Interim draft - for IPP WG review
 - Schedule - Prototype draft Q4 2018

Next Steps / Open Actions

- Next conference calls on September 27 and October 11, 2018 at 3pm ET
- Action: Smith to look up IETF OAuth WG minutes from IETF 102 to see if there is anything germane to IPP (DONE)
- Action: Paul/Smith to determine whether ISTO needs to do anything to participate in ISO SG12 (IN PROGRESS)
- Action: Smith to post diagrams showing different encrypted job topologies (DONE)
- Action: Mike to investigate IPPS issue in Wireshark - "ipp" filter not working (PENDING)
- Action: Smith to follow-up on the 3MF liaison agreement (IN PROGRESS - on agenda for Belfast 3MF meeting, working on joint press release)