Internet Printing Protocol Workgroup Meeting Minutes
September 27, 2018

Meeting was called to order at approximately 3pm ET on September 27, 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/2018/019778.html
     - Fwd: RFC 8470 on Using Early Data in HTTP
   - http://www.pwg.org/archives/ipp/2018/019779.html
     - [PWG5100.16] Issue #73: Section 3.1: "1. Use existing the existing specifications..." should be "1. Use existing specifications..."
   - http://www.pwg.org/archives/ipp/2018/019780.html
     - [PWG5100.16] Issue #74: Make sure sentences end with a period.
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-20180918.html
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippguide-20180918.pdf

- https://github.com/istopwg/pwg-books
- Chapter 1:
    - IPP Overview: Add short description of a printer, print job, and document as second sentence in first paragraph.
    - Talk about IPP - "IPP is big, but basic printing is possible without a lot of work"
    - Include formal description/convention note that "Printer", "Job", and "Document" refer to the IPP printer object, job object, and document objects.
    - Q: Where/When is Create-Job used? Just on high-end printers?
        - A: Everywhere
        - Needed especially on low-end printers to be able to cancel a job as a Send-Document is in process (printing as the document data is received)
        - Also good for an atomic verify-and-create
        - Best practice in IIG 2.0
        - Required for some print standards
        - Update note to just reference IIG 2.0 rather than just the cancel-job usage
- Global: Change all usage of Client, Printer, Job, and Document to be capitalized
- Chapter 2:
    - Printer Information Attributes
        - First sentence: "Printers have seven main INFORMATIONAL attributes" (not description).
        - "The following EXAMPLE `ipptool` test FILE will ..."
- Chapter 3:
    - Title: Chapter 3: Jobs and Documents
    - "Jobs in IPP are ..., typically printing or faxing a document." (bring back typical usage)
    - Maybe add a note about what PIN printing is, mention non-numeric passcodes?
    - Job Information Attributes:
        - Jobs HAVE many informational attributes
    - Documents: Add definition, add quotes around image/jpeg, "among printers" instead of "between printers'
- Global: "Foos PROVIDE attributes" should be "Foos HAVE attributes"
- Schedule - do another quick review once changes are made and then post on PWG web site.
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 ippfind updates
    - Now have code signing certificate!
    - But Mike is having some issues building Windows 32-bit tools and 64-bit installers
    - Schedule - Mike to release beta of update 3 for testing soon
11. Review of IPP Everywhere 1.1 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20180926-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. Status of IPP Document Object v1.1 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippdocobject11-20180919.pdf
    - http://www.pwg.org/archives/ipp/2018/019777.html
    - Initial draft - for IPP WG review
    - Did not get to this
    - Schedule - TBD
14. Status of IPP Job Extensions v1.1 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobext11-20180926-rev.pdf
    - http://www.pwg.org/archives/ipp/2018/019781.html
    - http://www.pwg.org/archives/ipp/2018/019782.html
    - Initial draft - for IPP WG review
    - Did not get to this
    - Schedule - TBD
15. 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
    - Did not get to this
    - Schedule - TBD
16. 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
    - Did not get to this
    - Schedule - TBD
17. 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
- Did not get to this
- Schedule - Prototype draft Q4 2018
18. Status of HP registration template for PCLm attributes.
    - Approved and posted to IANA IPP registry
    - Mike to respond to the second request with status
19. OpenPrinting is developing a new Wordpress-based web site
20. IPP Sample project:
    - Some open issues/pull requests
    - Let Mike know if you have cycles to work on any of them.

Next Steps / Open Actions

- Next conference calls on October 11 and 25, 2018 at 3pm ET
- Action: Paul/Smith to determine whether ISTO needs to do anything to participate in ISO SG12 (IN PROGRESS)
- 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)