Internet Printing Protocol Meeting Minutes
June 18, 2020

Meeting was called to order at approximately 3pm EDT.

Attendees

Cihan Colakoglu
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-20200604.pdf
   - Approved as posted
3. Status/Review of various IPP mailing list notes
   - https://www.pwg.org/archives/ipp/2020/020574.html
      - Fwd: TLS Delegated Credentials in TLS WG Last Call on 1 June 2020
   - https://www.pwg.org/archives/ipp/2020/020587.html
      - Fwd: [TLS] Fwd: Working Group Last Call: QUIC protocol drafts
   - https://www.pwg.org/archives/ipp/2020/020588.html
      - Fwd: [TLS] Consultation About Assignment of ExtensionTypes
      - ETSI standard hacks TLS for monitoring in middleboxes
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200420.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200518.htm
   - 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
   - See PWG Steering Committee minutes from 05/18/20, 06/01/20, 06/15/20
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
   - IPP System Service Discovery (Mike)
      - https://ftp.pwg.org/pub/pwg/ipp/registrations/reg-

ippsysdisc10-20200604.pdf
- https://www.pwg.org/archives/ipp/2020/020586.html
- Stable draft for an IPP Registration on 27 April 2020
- Prototyped in PAPPL project / planned to be added to "ippserver"
- IPP WG status on 06/04/20
- IPP WG Last Call ended 06/04/20
- IPP WG approved on 06/09/20
- IANA Registration completed on 06/10/20 - thanks Amanda Baber!
- 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 in Q2/Q2 2020
6. Recent Updates
   - 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
     - Schedule - Prototype draft in Q3/Q4 2020
   - Updates to IPP System Service / INFRA for Cloud (Cihan, Mike)
     - http://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 4 June 2020
     - Cihan plans to continue PWG participation as an individual
     - Schedule - IPP Registration in Q3/Q4 2020
7. Quick Review of IPP Enterprise Printing Ext v2.0 (Smith)
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20200608-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
   - Abstract: Move "conceptual" before the list of features
   - Section 1: Same change as abstract
   - Section 2.4:
     - Document Creation Operation: "An IPP operation that creates... Send-URI" (not Sent-URI)
     - Job Submission Operation: Same fix as for Document Creation Operation, "Jobs and/or Documents"
     - Drop Raster Image and RIP

- - Password Release Job: drop "via whatever method",
  - Reword Proof Job definition
  - Release Action: Maybe reword without the alliteration?
- Section 2.x: Reorganize Other Terminology and Printing Terminology (maybe all Printing Terminology?)
  - Check order of subsections to match current template
- Sections 3.2.2, 3.2.3: Drop "Release" from the end of the title
- Section 4:
  - Move "conceptual" to the front of the list.
- Section 4.1:
  - Capitalize Operation after Job Creation
  - "the Printer HOLDS the Release Job until it has received the SPECIFIED Release Action"
  - "The Printer CAN be configured ..." Drop "that would be used for all incoming Jobs"
  - Mention that 'job-password' cannot be the default value
  - Fix section reference for job-state-reasons.
- Table 1:
  - Add missing quote before 'owner-auth'
  - Maybe add 'none' with an inline note (if not too confusing)
- Drop section 4.1.1
- Section 4.4:
  - Don't need to provide a second definition of Proof Print - trim the first paragraph as appropriate
  - "A Client requests a Printer create a Proof Job" (drop "to" before "create")
  - Reword "later conclusion".
    - Need to define the Proof Print workflow - Proof Job + ??? Job .
    - "Final Job", "Approved Job", "Production Job" (can't use production), "Child Job", "Remainder Job"
  - Mike: Clients don't need proof-print - user just sends multiple print jobs
  - Bill: maybe we should make this pause printing after a certain number of copies, then resume after "approval" by the user
  - Q: Are there any implementations of proof-print in the wild?
    - Mike is not aware of any
    - Chris is not sure whether Xerox implemented IPP proof-print, might be limited to simple reprints
    - Smith: not implemented by HP
    - A: Probably not, should verify
    - Action: Mike to post call for implementations of proof-print to IPP list
  - At least two vendors provide a proof print function that prints 1 copy and then pauses the job until the user approves/releases the job for more
    - But would be nice to print on alternate media

- Could also extend proof-print to specify disposition of Job after proof copies - terminate/complete or stop (hold/pause)
  - Stopped at the end of section 4.4
9. Recent IPP Wiki Pages (Mike)
   - https://github.com/istopwg/ippsample/wiki/How-to-Support-TLS-Before-the-Date-and-Time-Is-Set
     - How to Support TLS Before the Date and Time Is Set
     - IPP WG review on 05/21/20
     - Clarifications added to wiki page
   - https://github.com/istopwg/ippsample/wiki/IPP-Everywhere-Value-Proposition-Discussion-Points
     - IPP Everywhere Value Proposition Discussion Points
     - Deferred until next meeting
10. Status of various IPP documents (All)
    - 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
      - Schedule - Stable draft in Q3/Q4 2020
    - IPP Driverless Printing Extensions v2.0 (Smith)
      - https://ftp.pwg.org/pub/pwg/ipp/wd/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
11. 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!
      - 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 July 16 and 30, 2020 at 3pm
  - Skipping July 2, 2020 due to holidays
- Action: Mike to post call for implementations of proof-print to IPP list
- Action: Mike to respond to original Section 11 post and note consensus (DONE)
- Action: Mike to post approved IPP Everywhere v1.1 documents and tools
  (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)
- Action: Paul to share Digital Additive Manufacturing Marathon content, if possible
  (CLOSED - shared to the SC list but waiting on permission to distribute more
  widely)