Internet Printing Protocol Meeting Minutes
April 7, 2022

Meeting was called to order at 3pm EDT on April 7.

Attendees

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

Agenda Items

1. Antitrust and IP policies, minute taker
    - https://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
    - https://www.pwg.org/chair/membership_docs/pwg-antitrust-policy.pdf
    - Antitrust and IP policies accepted, Mike taking minutes
2. Approve IPP minutes from previous meetings
    - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20220224.pdf
    - Approved as posted
3. Status/Review of various IPP mailing list notes
    - https://www.pwg.org/archives/ipp/2022/021092.html
        - NODRIVER: "client-info" for only Job Creation operations, or all operations? (Smith)
    - https://www.pwg.org/archives/ipp/2022/021100.html
        - EPX: "feed-orientation" attribute orphaned (Smith)
    - https://www.pwg.org/archives/ipp/2022/021106.html
        - Fwd: [dispatch] draft-ietf-6man-rfc6874bis-00.txt (Ira/Mike)
        - Good: Fixing Host address reflection issues previously identified
        - Bad: Dropping percent encoding and breaking RFC 3986 ABNF because "nobody parses using the ABNF" ("[fe80::1234%25]" for link-local over interface #25...)
        - Not interested in supporting original vFUTURE format from URI WG (that CUPS and AirPrint adopted 10+ years ago)
        - Mike will continue to monitor to prevent total breakage
4. Status of IETF:
    - Moving RFC 1528/1529 to historic (basically fax via email masquerading as remote printing)
    - IETF IoT Operations WG:

- Several interesting things for printers
- Mike has submitted an I-D for using a local ACME server to get X.509 certificates
  - https://datatracker.ietf.org/doc/draft-sweet-iot-acme
- IETF 113:
  - Post-quantum encryption work
  - Hybrid Public Key Exchange, algorithms
  - Concerns about RSA/ECDSA, NIST updates/recommendations
5. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20220124.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20220208.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20220307.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20220404.htm
   - See PWG Steering Committee minutes from 01/24/22, 02/08/22, 03/07/22, 04/04/22
   - PWG SC was canceled on 02/07/22, 02/21/22, 03/21/22
6. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
   - IPP Everywhere Printer Self-Certification Tools v1.1 Update 4 (Mike)
   - https://www.pwg.org/archives/ipp/2022/021097.html
   - IPP WG Last Call started 26 February 2022 open-ended
   - One issue reported against update 4:
     - https://github.com/istopwg/ippeveselfcert/issues/84
   - Mike will also be switching to using OpenSSL for TLS support on Windows
     - Fixes self-cert from a domain account
     - CUPS 3.0 will be dropping MS SChannel and Apple SecureTransport
   - Mike is planning on doing a new build before the next concall
   - Schedule - Approval in Q2 2022
7. IPP Finishings v3.0 (Smith)
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings30-20220402-rev.pdf
   - https://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-ippfinishings30.txt
   - Stable draft - for a Major update
   - PWG Last Call started 02/25/22 extended to 04/04/22
   - Schedule - PWG Formal Approval in Q2 2022
   - Section 1:
     - "Internet Printing Protocol/1.1 [STD92]" (no model and semantics)
     - Drop "and IPP Production Printing Attributes ..." completely
   - Section 3.1:
     - Remove 5100.3-2001 (second bullet) and clean up
   - Section 10:
     - Internet Printing Protocol/1.1 [STD92] (not model and semantics - 8010 and 8011 both have security considerations)
   - Section 13.2:
     - ABNF URL should be the base name (no date)
   - Smith will post an updated draft with these changes
   - Action: Mike to start PWG Formal Vote of IPP Finishings 3.0 once posted, ending after May 2022 F2F

Next Steps / Open Actions

- Conference calls on April 21 and May 5, 2022 at 3pm
- Action: Mike to start PWG Formal Vote of IPP Finishings 3.0 once posted, ending after May 2022 F2F
- Action:Mike to start IPP Finishings 3.0 PWG Last Call ending March 21, 2022 (DONE)
- Action: Paul to reach out to vendors concerning IPP 3D/TRUSTNOONE/INFRA (CLOSING, tracking in steering committee)
- Action: Paul to ask AMNOW for more information on current Raspberry Pi solution (CLOSING, tracking in steering committee)
- Action: Mike and Smith to get new code signing cert for Windows (PENDING, good until June)
- Action: Paul to provide Mike with a list of important 3D organizations and projects for 2021-2022 (CLOSING, tracking in steering committee)
- Action: Paul to reach out to Pat at ASTM to determine contacts for IPP expansion (CLOSING, tracking in steering committee)
- Action: Mike, Ira, and Smith to develop IPP Everywhere value proposition content (CLOSING, tracking in steering committee)