Internet Printing Protocol Meeting Minutes
October 12, 2023

Meeting was called to order at 3pm ET.

Attendees

Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Piotr Pawliczek (Google)
Chris Rizzo (Xerox)
Anthony Suarez (Kyocera)
Michael Sweet (Lakeside Robotics)
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. IPP minutes from previous meetings
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20230914.pdf
   - Approved as posted
3. Status/Review of various IPP mailing list notes
   - https://www.pwg.org/archives/ipp/2023/021412.html
     - [PWG5100.7] Issue #124: Change "pages-ranges" to "page-ranges" (Smith)
     - Update posted
   - https://www.pwg.org/archives/ipp/2023/021464.html
     - [PWG5100.20] Issue #126: Add tests for both "media-needed" and "media-empty" to IPP tests (Smith)
     - Moved from [PWG5100.14]
     - Mike: Historical challenges WRT how to automatically test for conditions other than media-needed (i.e. no easy way to induce low/empty toner/ink, not all printers can sense when a tray is empty without pulling a sheet, etc.)
     - Mike: 2.0 tools will be able to show current states for ad-hoc testing, maybe we can just confirm that all supported states have been tested?
       - Smith: Questionnaire might open a can of worms this way?

- - Q: Make tools support for monitoring printer-state-reasons a requirement for 2.0?
    - A: Consensus is yes
  - Q: Add a question to the submission form concerning supporting printer-state-reasons?
    - A: Consensus is to think on this some more
  - Q: What about the suffixes (-error, -warning, -report)?
    - Mike: AirPrint/CUPS have long ignored any suffixes, never implemented consistently
    - Ira: Never really widely implemented, probably not worth deprecating
    - Smith: We can defer
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230925.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20231002.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20231009.htm
   - See PWG Steering Committee minutes from 09/25/23, 10/02/23, 10/09/23
5. IPP Registration for printer-state-reasons for Marker Supply - status (Smith, Mike)
   - https://www.pwg.org/archives/ipp/2023/021399.html
   - Original request on 05/18/23
   - IPP WG to approve and register w/ IANA
   - Approved, schedule for addition to future MFD Alerts (PWG 5107.3) update
   - Action: Mike to post registrations for marker printer-state-reasons values to IANA IPP Registry
6. Recent Significant Changes in PWG IPP - review (Smith)
   - https://ftp.pwg.org/pub/pwg/general/wd/wd-IPP%202023%20-%20New%20and%20Significant%20Changes%20in%20PWG%20Specifications%202023-10-03.pptx
   - Discussed in recent PWG Steering Committee calls
   - Slide 2: Talk more about how attributes/values/features have been moved around to logically group things and address vendor concerns
   - Slide 3: Add MSN 2.1
   - Sldie 5: Add years for 2.1 and 3.0
   - Slide 6: Remove "signature"
   - Slides 9-10: Add years
   - Slides 12-13: Clarify the new features interoperate with each other
   - Slide 14: Add year, "performed by the Printer"
   - Mike: If Mopria has asked about specific things/use cases, maybe have a few slides addressing those specific thingss
7. IPP Enterprise Printing Extensions v2.0 - status (Smith)
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20231011-rev.pdf
   - Stable draft - for a Candidate Standard
   - PWG status at PWG August F2F on 08/09/23
   - Report on Job Release prototyping
   - Section 2.1:

- "The term XXX indicates ..." for CONDITIONALLY REQUIRED, DEPRECATED, and OBSOLETE
  - Keep sections 7.4 and 7.5 as-is (unhighlight 7.5)
  - https://www.pwg.org/archives/ipp/2023/021468.html
    - Mike: Current clients always treat PWG Raster/Apple Raster as streaming formats and thus always produce copies for the printer, then we need job-pages-per-set *if* proof-copies was supported otherwise
    - Consensus: Don't talk about proof copies for streaming formats, assume we need spooling for proof-copies
8. IPP Encrypted Jobs and Documents
   - Smith: Does S/MIME need post-quantum updates?
     - Mike: Yes
     - Ira: IETF is working on it...
       - https://datatracker.ietf.org/wg/pquip/documents/

Next Steps / Open Actions

- Next conference calls on October 26 and November 9, 2023 at 3pm
- Next F2F on November 15-16, 2023
- Action: Mike to post registrations for marker printer-state-reasons values to IANA IPP Registry
- Action; Mike to address 5100.3 and 5100.16 editorial errata (PENDING - 5100.3 is done, 5100.16 still to do)
- Action: Mike to publish MSN 2.1 update when passed (DONE)
- Action: Smith to create IPP Everywhere 2.0 slides showing changes (DONE)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING)