

# Internet Printing Protocol Meeting Minutes

## August 31, 2023

Meeting was called to order at 3pm ET.

### Attendees

Benjamin Gordon (Google)  
Smith Kennedy (HP)  
Jeremy Leber (Lexmark)  
Ira McDonald (High North)  
Piotr Pawliczek (Google)  
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-ip-policy.pdf)
  - [https://www.pwg.org/chair/membership\\_docs/pwg-antitrust-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-20230803.pdf>
  - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20230809.pdf>
  - Both approved as posted
3. Status/Review of various IPP mailing list notes
  - <https://www.pwg.org/archives/ipp/2023/021424.html>
    - Fwd: New Version Notification for draft-sweet-iot-acme-04.txt (Mike)
  - <https://www.pwg.org/archives/ipp/2023/021426.html>
    - MSN 2.1 question: include "roll\_current.roll-1\_36x240in" in media-supported? (Smith)
    - Mike: media-supported generally lists min/max for custom and roll-fed while media-ready lists the currently loaded media (so not a strict subset of keyword values, just values within the min/max in media-supported)
  - <https://www.pwg.org/archives/ipp/2023/021427.html>
    - (no subject) Orientation (Anton Thomasson)
  - <https://www.pwg.org/archives/ipp/2023/021428.html>
    - "ipp-attribute-fidelity" and media selection (Smith)
    - Just a conflict/supported value check for the job ticket

- Smith: When does ipp-attribute-fidelity get sent?
  - Mike: Clients normally set it to force printing on a particular media size (prior to the introduction of the print-scaling attribute)
- Uli: The usual expectation is that driver/user settings trump printer settings
  - Mike: That remains, minus any constraints the printer has. Clients also usually send properly formatted content for the job
- <https://www.pwg.org/archives/ipp/2023/021432.html>
  - [PWG5100.20] Issue #118: References to logos and/or logo policy should point at files with no date codes (Smith)
  - Mike: Good idea, we do this for document templates, too
  - Consensus: Yes, do this for the self-cert update
- <https://www.pwg.org/archives/ipp/2023/021433.html>
  - CA/Browser Forum Baseline Requirements - request mention of IPP? (Smith)
  - Mike: Makes sense to ask for ipps to be added for port 631 for public-facing IPP servers, odd that they don't include smtps port...
  - Smith: Maybe let this stew for a bit? We don't actually reference this spec...
- <https://www.pwg.org/archives/ipp/2023/021434.html>
  - Updated IPP OAuth draft posted
  - "is signed by a Trust Anchor":
    - Mike: Don't want to limit to system certificate store, CUPS always provides its own certificate store
    - Piotr: Don't need to get into the implementation details - just need access to \*a\* certificate store
  - Section 4.1.3 (cert validation):
    - Mike: Still need validation for trust, but a local certificate server will need to generate the certificate (CA provided root or otherwise)
    - Mike: Include discussion of CA/Browser Forum for public-facing services, but local services need a locally-issued cert with a known Trust Anchor
  - Section 4.4 (allow lists)
    - How are we going to manage this - PWG registry or per-vendor lists?
    - Clients have their own way to update the lists
    - Also can ask the end user (not ideal)
    - Smith: Hand-wavy/CYA?
      - Mike: Yes
  - Section 10.3:
    - Local names are a separate scope, see previous notes
- <https://www.pwg.org/pipermail/ipp/2023/021441.html>
  - Printer Management System
  - Mike: System Service can certainly handle firmware updates (as

- resources), but work needed for the web interface/admin password
  - Mike/Ira: Need to limit scope to keep timeframe reasonable
  - Smith: Could do a registration document in addition to any errata to the System Service spec
  - Mike: First order is to get a list of configuration parameters and the scope of firmware updates (manual, automatic/scheduled, etc.)
  - Uli: Initial setup or subsequent configuration?
    - Anthony: Possibly both
  - Uli: Who is the expected user/use case? Not sure how this would scale to 10k+ printer fleet, compare to existing solutions?
    - Anthony: Will get this information
  - Smith: Does this also include cloud configuration?
    - Anthony: Possibly
    - Uli: Makes sense to look into it
  - Mike: Could also include Apple Wi-Fi configuration attributes in this effort...
5. Status of AMSC and ISO liaisons w/ PWG (Paul)
    - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230731.htm>
    - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230821.htm>
    - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20230828.htm>
    - See PWG Steering Committee minutes from 07/31/23, 08/21/23, 08/28/23
  6. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
    - PWG Media Standardized Names v2.1 (Mike)
      - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn21-20230724.pdf>
      - PWG discussion at PWG August F2F on 08/09/23
      - PWG Call for Objections started 08/15/23 ends 09/15/23
      - Schedule - PWG publication in Q3 2023
  7. IPP Enterprise Printing Extensions v2.0 - status (Smith)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20230206.pdf>
    - Prototype draft - for a Candidate Standard
    - PWG status at PWG August F2F on 08/09/23
    - Waiting for Job Release prototyping
    - Schedule - Stable draft in Q3/Q4 2023
  8. IPP OAuth Extensions v1.0 - status (Smith, Mike, Piotr)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippoauth10-20230814-rev.pdf>
    - Prototype draft of IPP OAuth Extensions v1.0 posted on 08/14/23 (Mike)

## Next Steps / Open Actions

- Next conference calls on September 14 and 28, 2023 at 3pm
- Action: Mike to start PWG Call for Objections for MSN2.1 ending September 15, 2023 (DONE)
- Action: Smith to create IPP Everywhere 2.0 slides showing changes (PENDING - in progress)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING)

