

# Internet Printing Protocol Meeting Minutes

## April 25, 2024

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)

### 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-20240229.pdf>
    - Approved as posted
  - Fix link to EPX on the standards page:
    - Smith is fixing
3. Status/Review of various IPP mailing list notes
  - <https://www.pwg.org/archives/ipp/2024/021557.html>
    - RFC: Release Printing and INFRA (Mike, Uli)
    - Mike will summarize for the F2F slides
  - <https://www.pwg.org/archives/ipp/2024/021561.html>
    - Question on PWGRaster (John Madden, Mike)
  - <https://www.pwg.org/archives/ipp/2024/021565.html>
    - Fwd: IPP Question [Driverless Printing] (John Madden, Mike)
  - <https://www.pwg.org/archives/ipp/2024/021568.html>
    - Fwd: [saag] RADIUS is deprecating MD5 (Ira)
  - <https://www.pwg.org/archives/ipp/2024/021570.html>
    - [PWG5100.19] Issue #130: Add discussion of "multiple-operation-time-out" and how that is judged by a Printer (Smith)
  - <https://www.pwg.org/archives/ipp/2024/021572.html>
    - Feedback request on "printer-icons" and "printer-more-info-manufacturer" in PWG IPP-Infra (Jimmy Wu, Mike)

- Mike will summarize for the F2F slides
- <https://www.pwg.org/archives/ipp/2024/021573.html>
  - Fwd: [TLS] Kicking off the TLS 1.3 formal analysis triage panel (Ira)
- 4. Status of AMSC and ISO liaisons w/ PWG (Paul)
  - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20240311.htm>
  - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20240325.htm>
  - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20240415.htm>
  - See PWG Steering Committee minutes from 03/11/24, 03/25/24, 04/15/24
- 5. PWG and WG Last Calls and Formal Votes (All)
  - IPP Document Object v1.2 (DOCOBJECT) - status (Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippdocobject12-20240301.pdf>
    - <https://www.pwg.org/archives/ipp/2024/021556.html>
    - Stable draft on 03/01/24
    - Simple errata update of the 2019 version
    - IPP WG Last call started 03/01/24 ended 03/14/24 - no comments
    - Start PWG Call for Objections?
      - Yes, ending May 17
      - Action: Mike to start PWG Call for Objections of DOCOBJECT 1.2
    - Schedule - PWG Call for Objections in Q2 2024
  - IPP Charter Update - status (Ira/Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp-charter-20240309.pdf>
    - Final Stable draft on 03/09/24
    - IPP WG review on 02/29/24
    - PWG Call for Objections started 04/23/24 ends 05/10/24
    - Schedule - PWG Approval in Q2 2024
- 7. IPP Slides for PWG May 2024 F2F - review (Mike)
  - <https://ftp.pwg.org/pub/pwg/ipp/slides/ipp-wg-agenda-may-24.pdf>
  - No TCT 3Sixty meeting
  - OAuth:
    - Uli: Did Google ever release their OAuth implementation?
    - Piotr: No, early prototyping (before current spec) but not completed/released, scheduled for completion 2024
  - Add the release printing and resource URI discussion slides
  - INFRA and SYSTEM: Q2 2024 for prototype draft
  - Mike and Smith will finalize Strong Identity BoF content
    - Mike: Maybe start with "what questions do we want to ask" - is this trusted on the network, is this really the kind of printer it says it is, is this printer running the latest firmware, etc?
    - Smith: Originally thinking of OAuth trust issues, Matter offers a certificate bootstrapping process, maybe TCG offers something?
    - Ira: TCG TPM offers secure ID functionality
    - Smith will setup a wiki page on the ippsample project to track current progress
  - IPPEVE20: Post stable draft, PWG Last Call Q3 2024
  - IPPEVESELF CERT20: Prototype Q3 2024, add demo/screenshot of new

flutter tool

- Smith: Should we provide ARM executables for Linux and macOS?
- Mike: macOS binaries are already "universal" (Intel+ARM), Linux ARM support for 2.0 is certainly possible since the Snapcraft store supports it, not sure about Flatpak. Windows ARM support for 2.0 is also possible (if wanted)
- Sync up next steps with other slides

## **Next Steps / Open Actions**

- Next conference calls on May 23 and June 6, 2024 at 3pm
- Talk about more "Strong Device Identity" at future (soon) concall, determine requirements/use cases
- Action: Mike to start PWG Call for Objections of DOCOBJECT 1.2
- Action: Mike to update the IPP How-To Guide and post to IPP list for discussion (PENDING)
- Action: Paul to review existing 3D use cases and identify any gaps (PENDING)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING - started work on it)