

# Internet Printing Protocol Workgroup Meeting Minutes

## January 16, 2020

Meeting was called to order at approximately 3pm ET.

### Attendees

Cihan Colakoglu (Kyocera Document Solutions)  
Chris Dance (PaperCut)  
Smith Kennedy (HP)  
Ira McDonald (High North)  
Michael Sweet (Lakeside Robotics)  
Bill Wagner (TIC)

### Agenda Items

1. IP Policy and Minute Taker
  - [http://www.pwg.org/chair/membership\\_docs/pwg-ip-policy.pdf](http://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf)
  - IP policy accepted, Mike taking minutes
2. Review previous minutes
  - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20191219.pdf>
  - Approved as posted
3. Status/Review of various IPP mailing list notes
  - <http://www.pwg.org/archives/ipp/2019/020338.html>
    - IPP Enterprise Printing Extensions: Feature Names and Job Types
    - Two main features: Print Job directed to a specific output device vs to a common queue and later released to whatever output device the user chooses
    - Authentication methods: job-password, out-of-band authentication, alternate authentication (ID card at printer, username/password at Client, etc.)
    - Maybe four use cases can cover all of this?
    - Maybe add SHOULD NOT combine different kinds of
  - <http://www.pwg.org/archives/ipp/2020/020346.html>
    - IPP Enterprise Printing Extensions: Feature Names and Job Types
    - Should make TLS required whenever passing credentials
    - Q: Add printer-state-reasons/job-state-reasons keywords about non-secure printing?
      - A: Probably not printer-state-reasons, but maybe keywords for job-state-reasons that identified whether job-password was used, encryption, etc. (good for accounting/information)
    - Q: Disable job-password, etc. over non-TLS connections, i.e. filter Get-Printer-Attributes values?

- A: Maybe
- <http://www.pwg.org/archives/ipp/2020/020348.html>
  - Questions about draft Accounting spec and privacy attributes
- 4. Status of AMSC and ISO liaisons w/ PWG (Paul)
  - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20191104.htm>
  - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20191202.htm>
  - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200113.htm>
  - See PWG Steering Committee minutes from 11/04/19, 12/02/19, 01/13/20
- 5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
  - None in progress
- 6. Quick review of IPP Label Printing Extensions v1.0
  - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipplabel10-20200115-rev.pdf>
  - Interim draft - for an IPP Registration
  - Section 3.x: Fill out use case
  - Section 4:
    - Title: IPP Model
  - Section 4.1:
    - Missing section reference on line 171
  - Section 4.2:
    - Q: Source of attributes?
      - A: Collated from existing vendor PDLs and devices
  - Section 7:
    - Maybe add PNG/PWG Raster recommendation in addition to vendor PDL
  - Sections 8.1 and 8.2:
    - Fix broken section references
  - Next draft can be stable - LPrint has this prototyped
  - Reach out to existing IPP label printer manufacturers for feedback?
- 7. Quick status of IPP Transaction-Based Printing Extensions v1.1 (Mike)
  - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrans11-20191216-rev.pdf>
  - Initial draft - for a Candidate Standard errata update
  - IPP WG review on 19 December 2019 - completed
  - Schedule - Start IPP WG last call after Stable draft is available
- 8. Quick Review of IPP Driverless Printing Extensions v2.0 (Smith)
  - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippnodriver20-20191121-rev.pdf>
  - Interim draft - for a Candidate Standard
  - Renamed to Driverless Printing Extensions (NODRIVER)
  - IPP WG review on 19 December 2019 - stopped at "printer-input-tray"
  - Did not get to this...
  - Schedule - Prototype draft in Q1/Q2 2020
- 9. Status of various IPP documents (All)
  - Job Accounting for IPP v1.0 (Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20191022-rev.pdf>
    - Interim draft - for a Best Practice
    - PWG F2F review on 21 November 2019 - stopped at section 6
    - Schedule - Prototype draft in Q1 2020

- IPP Production Printing Ext v2.0 (Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20191216-rev.pdf>
    - Prototype draft - for a Candidate Standard
    - PWG F2F review on 20 November 2019 - completed
    - Schedule - Stable draft in Q1 2020
  - IPP Enterprise Printing Ext v2.0 (Smith)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20191010-rev.docx>
    - Interim draft - for a Candidate Standard
    - PWG F2F review on 20 November 2019 - completed
    - Schedule - Prototype draft in Q1/Q2 2020
  - IPP Everywhere 1.1 (Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20190827-rev.pdf>
    - Stable draft - for a Candidate Standard
    - PWG F2F status on 20 November 2019
    - Defer IPP WG Last Call until IPP Everywhere Self-Cert v1.1 is ready
    - Hoping to get beta of Self-Cert v1.0 update 4 out before the end of 2019
    - Schedule - Stable working drafts/beta tools in Q1 2020
  - IPP Everywhere Self-Certification Manual v1.1 (Mike)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20190827-rev.pdf>
    - Prototype draft - for a Candidate Standard
    - PWG F2F status on 20 November 2019
    - Update and start IPP WG Last Call together w/ IPP Everywhere v1.1
    - Hoping to get beta of Self-Cert v1.0 update 4 out before the end of 2019
    - Schedule - Stable working drafts/beta tools in Q1 2020
  - IPP Encrypted Jobs and Documents (Mike/Smith)
    - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20190418-rev.pdf>
    - Interim draft - for a Candidate Standard
    - PWG F2F skipped on 21 November 2019
    - Schedule - Prototype draft in Q1 2020
10. Open Printing update (Ira)
- <https://openprinting.github.io>
  - OP website is now live w/ IPP Everywhere logo
  - OP monthly calls (11/05/19, 12/10/19), (01/14/20)
  - GSoC 2020
    - Mentor organization applications opened on 14 January 2020
    - OP planning and student search has started

## Next Steps / Open Actions

- Next conference call on January 30, 2020 at 3pm ET

- Will review slides and update of IPP TRANS
- F2F sessions on February 5 and 6, 2020
- Action: Mike, Smith, and Ira to provide 3D printing liaison slide updates (PENDING - need to talk with Paul to determine which slides these are)
- Action: Paul to make a list of 3D printing projects for 2019-2020 (DONE)