

# Internet Printing Protocol Workgroup Meeting Minutes September 19, 2016

Meeting was called to order at approximately 3pm ET on September 19, 2016.

## Attendees

Smith Kennedy (HP)  
Daniel Manchala (Xerox)  
Ira McDonald (High North)  
Matthew Morikawa (Kyocera Document Solutions)  
Alan Sukert (Xerox)  
Michael Sweet (Apple)  
Paul Tykodi (TCS)  
Bill Wagner (TIC)  
Rick Yardumian (Canon)

## Agenda Items

1. IP Policy and Minute Taker
  - IP policy accepted, Mike taking minutes
2. Approve IPP minutes from previous meetings
  - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160815.pdf>
  - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20160823.pdf>
  - Approved as posted
3. Status of various IPP documents (Ira/Mike/Smith)
  - IETF IPP/1.1 Updates (Mike/Ira)
    - <http://www.ietf.org/internet-drafts/draft-sweet-rfc2910bis-10.txt>
    - <http://www.ietf.org/internet-drafts/draft-sweet-rfc2911bis-11.txt>
    - Changes for new IETF Proposed Standards
    - Alexey Melnikov (IETF ART AD) as AD sponsor on 06/02/16
    - RFC2910bis & RFC 2911bis - IETF Approved as Proposed Standards!
    - Waiting for minor IANA registry edits on 09/16/16
    - Schedule - IPP/1.1 RFCs published in Q4 2016
4. IPP Finishings 2.1 (Smith)
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings21-20160815-rev.pdf>
  - Stable draft
  - Reviewed by IPP WG on 08/24/16
  - IPP WG Last Call completed on 09/06/16
  - Smith to issue new draft w/ edits from 08/24/16 review
  - Schedule - PWG Call for Objections in Q4 2016
  - HP Feedback on the maximum number of sheets per set supported by a finisher

- <http://www.pwg.org/archives/ipp/2016/018945.html>
- Probably printer-finisher MaxCapacity attribute, needs further research offline
- IPP vs SM coordinate system disconnect (Smith/Pete)
  - <http://www.pwg.org/archives/ipp/2016/018924.html>
  - Q: Is Figure 3 correct?
    - A: Needs further research offline
  - Schedule - review IPP Finishings/2.1 and liaise to SM WG
- 5. Possible change of day-of-week and time for IPP WG calls
  - Doodle poll among PWG Steering Committee members on 09/12/16
  - Review Doodle poll results and reschedule IPP WG calls?
    - Best day on the poll was Wednesdays at 1pm ET/10am PT
    - OK with other members on the call
    - Next regular IPP meeting on October 5, 2016 at 1pm ET
    - Semantic Model WG will take the alternate Wednesdays
- 6. PWG 5100.20 Issue #49 requiring both HTTP Upgrade and "ipps:" support (Smith/Ira)
  - <http://www.pwg.org/archives/ipp/2016/018943.html>
  - Resolved on mailing list 09/16/16
    - but there are conformance subtleties to be discussed here
  - RFC 2817 is normatively referenced by over 2 dozen RFCs...
  - Schedule - close this specific issue ASAP
- 7. Registration for "ipp-features-supported" value 'icc-color-matching' (Mike)
  - <http://www.pwg.org/archives/ipp/2016/018914.html>
  - No objections
  - Action: Mike to submit "ipp-features-supported" value registration
- 8. Review of IPP 3D Printing Extensions (Mike)
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20160824-rev.pdf>
  - Prototype draft
  - Section 8.1.3.1 (accuracy-units):
    - Q: Why not "um" for accuracy-units?
      - A: Keywords can only have US ASCII characters
    - Add "REQUIRED" (This REQUIRED member attribute ...)
  - Section 8.3.x:
    - Add CONDITIONALLY REQUIRED for all that are conditionally required...
  - Section 8.3.27.x:
    - "This REQUIRED member attribute" (add REQUIRED, make singular)
  - SM3: examples getting pushed to Github, will need review
  - Mike will publish updated draft once he completes his prototyping
- 9. Review of IPP System Service (Ira/Mike)
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20160915-rev.pdf>
  - Interim draft
  - Sections 4.3, 4.6:
    - "Since Xxx are typically long-lived ..."
  - Section 4.7:

- "Since Subscriptions are typically short-lived ..."
- Section 5:
  - Verify which objects get new attributes
- Section 5.7:
  - Table 5: Drop resource-printer-ids
  - Drop note 5
- printer-resource-ids:
  - Copied from resource-ids operation attribute
  - Updated by Printer when client does HTTP PUT of a resource
- Section 6: Rewrite Note at bottom of page 31
- Stopped at section 6, bottom of page 31

## **Next Steps / Open Actions**

- Next IPP conference calls September 26, 2016 at 4pm ET for 3D and October 5, 2016 at 1pm ET for regular IPP topics
- Review IPP Finishings 2.1 feedback (Figure 3 coordinate system and MaxCapacity)
- Action: Mike to submit "ipp-features-supported" value registration
- Action: Mike to create an IPP Resource state diagram (ONGOING)
- Action: Mike to fix registration of job-constraints-supported and job-resolvers-supported to include "resolver-name (name(MAX))" member attribute (PENDING - waiting on RFC publication)