

# Internet Printing Protocol Workgroup Meeting Minutes January 25, 2016

Meeting was called to order at approximately 4:00pm ET January 25, 2016.

## Attendees

Smith Kennedy (HP)  
Daniel Manchala (Xerox)  
Ira McDonald (High North)  
Mike Sweet (Apple)  
Paul Tykodi (TCS)  
William 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-20160111.pdf>
  - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160118.pdf>
  - Approved as posted
3. Discussion of F2F slides
  - <http://ftp.pwg.org/pub/pwg/ipp/slides/ipp-wg-agenda-february-16d1.pdf>
  - Schedule looks OK
4. Discussion of 3D topics for PWG (Paul)
  - Open brainstorming on engagements w/ other 3D standards bodies
  - Seems that outside parties are only interested in attending when there is something that applies to them
    - Example: PDF/2.0 and PDF/E
    - Other topics:
      - Subunits
      - Formats
      - Cloud
      - Paid/transaction printing
  - Q: Can we schedule topics ahead of time?
    - A: Yes, but only for our normal time, and practically only for the next meeting
    - Post topic for next meeting with minutes
    - Post meeting agenda/schedule for next week's meeting the day after the current week's meeting
    - Directly contact interested individuals, when known

- Also solicit topics and possible meeting dates, to use when choosing topics at end of meeting (next steps)
- Q: What about "interim virtual face-to-face" meetings?
  - A: Maybe, if there is a need
  - Try to keep to targeted half day (3-4 hour) meetings, for discussion of topics/slides and not spec review
  - Good topic for discussion at the F2F
- 5. Discussion of 3D Printer Sub-Unit Attributes (Mike)
  - <http://www.pwg.org/pipermail/ipp/2016/018696.html>
  - Q: <subunitname>-security (boolean): keep it? what does it mean?
    - A: Nobody remembers what this meant in the Printer MIB, might refer to interlocks
    - Probably didn't make the DMTF CIM cut, drop it
  - Q: <subunitname>-version (text): Need to be more specific?
    - A: Point at HCD-ATTR for details on version
    - Call this <subunitname>-string-version (text)
  - Q: Add <subunitname>-state-reasons (1 setOf type2 keyword)?
    - A: Yes, useful for identifying which sub-unit is causing a printer-state-reasons keyword
    - Conditionally required if there is more than one sub-unit of a given type
  - Make <subunitname>-info, -make-and-model, -name, -state, and -string-version required?
    - Action: Ira to review DTMF CIM discussions concerning which subunit properties should be required
- 6. Review of IPP 3D Printing (Mike)
  - <http://ftp.pwg.org/pub/pwg/BOFs/3d-printing/3d-bof-november-2015.pdf> (slides)
  - <http://ftp.pwg.org/pub/pwg/BOFs/3d-printing/wd-apple-ipp3d-20151116.pdf> (spec)
  - Did not get to this

## Next Steps / Open Actions

- Next IPP 3D meeting at the face-to-face on February 11, 2016 at 9am PT
- Next IPP conference call February 1, 2016 at 3pm ET
- 3D Topics for F2F: PDF/E and PDF 2.0, 3MF, discuss 3D formats
- Continue review of IPP System Service specification
- Continue review job-password-repertoire white paper
- Continue review of IPP 3D Extensions as standards-track document.
- Action: Ira to review DTMF CIM discussions concerning which subunit properties should be required
- Action: Mike to list 3D Printing as the IPP topic on the morning of Feb 11 (DONE - slides, but need to update meeting page, make sure posted to both IPP and 3D Printing lists)
- Action: Mike to start PWG Formal Vote of IPP Everywhere Printer Self-

- Certification Manual (DONE)
- Action: Paul to contact PDF/E member(s) on PDF 3D standardization and questions (DONE)
- Action: Mike to fix \*-k-octets in IANA IPP registry - should be Status attributes (PENDING - do this with the Job Password Repertoire registrations)