

Internet Printing Protocol Workgroup Meeting Minutes

April 13, 2017

Meeting was called to order at approximately 3pm ET on April 13, 2017.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Mike 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 previous minutes:
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20170330.pdf>
 - Approved as posted.
3. Status of IANA Registrations (Mike)
 - IPP registrations have been posted
 - "test/strings" registration came back requesting additional security considerations text
 - "model/3mf" registration is still pending
4. Status of AMSC liaison w/PWG (Paul)
 - <http://ftp.pwg.org/pub/pwg/liaison/ansi/pwg-amsc-march-2017d1.pdf>
 - Paul attended an AMSC meeting March 29, 2017 w/ Mike's slide
 - \$100m in membership, \$10bn in IP represented
 - Noted that lack of AMF public availability is an issue
 - Very passionate response to XML representation of IPP
 - Mainly confusion from metals people, particularly with differences in terminology/abstraction
 - Suggests that more clarifications are needed to get people on the same page
 - Maybe also talk about extensibility: vendor elements and values are A-OK, standard elements and values enable common clients/applications, vendor extensions when necessary
 - Do a slide showing the separation of roles:
 - Users/Customers/Managers/Administrators/Operators: Yes, need higher-level status information and provide intent
 - Technicians/Printer Engineers/Printer Manufacturers: Need lower-level information to further diagnose issues

- Q: Are UIs included in the discussions?
 - A: Not yet, but coming as more vendors are making printers, etc.
 - Existing solutions are primitive, typically not network-connected/enabled
- Another presentation coming up at Rapid conference (May 9th)
- 6. Status of ISO TC261 liaison w/PWG (Paul)
 - Working on higher-level concerns compared to AMSC
 - Concerns over file formats - apparently 3MF, AMF, STL, etc. are not accurate enough for manufacturing (file size becomes too large if you want accuracy?)
 - First face-to-face meeting will be at end of May in Korean, August in Montreal, need to get report out by the fall.
- 7. Status of IPP WG Charter (Ira)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp-charter-20170314-rev.pdf>
 - Interim draft - no update since previous IPP WG call
 - Schedule - PWG approval Q2 2017 (PWG SC or formal vote?)
 - Review deferred to next meeting
- 8. Status of Get-User-Printer-Attributes (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-userop-20170404.pdf>
 - <http://www.pwg.org/archives/ipp/2017/019147.html>
 - Schedule - PWG review at Virtual F2F in May?
- 9. Review of PWG 3D Print Job Ticket (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-smpjt3d10-20170327-rev.pdf>
 - <http://ftp.pwg.org/pub/pwg/sm3/schemas/smpjt3d10-20170327.zip>
 - Interim draft (erroneously still says "initial draft" on cover page)
 - Section 1.1:
 - Line 155: "dangerous DEVICE control ..."
 - Section 2.1:
 - Line 177 (Service): "remotely FROM the Printer"
 - Section 9:
 - Lowercase all MaterialType values (pla, pla-dissolvable)
 - Add comments and whitespace to example job ticket (like the capabilities in section 10)
 - Section 10:
 - Lowercase all MaterialColor, MaterialKey, MaterialType values
 - Line 458: "supported MATERIAL types"
 - Section 11:
 - Drop item 3 (PJT doesn't define operations either, so not needed)
 - Change status to Stable (no prototype status for informational documents)
 - Schedule - Stable draft and WG Last Call Q2/Q3 2017
- 10. Review of IPP System Service (Ira/Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20170314-rev.pdf>
 - Interim draft
 - Reviewed by IPP F2F on 02/14/17
 - Schedule - Prototype draft in Q2/Q3 2017
 - Review deferred to next meeting

Next Steps / Open Actions

- Next IPP WG conference call on Thursday, April 27, 2017 from 3:00-4:30pm ET
- PWG virtual F2F 2-4 May 2017 (no agenda posted yet)
- Review F2F slides
- Action: Mike to experiment to see what is required to start up the audio connected to the screen-sharing webex session, report to chairs (PENDING)
- Action: Mike to post deprecation template for 'jog-offset' finishings/finishing-template values, with reasons (PENDING)
- Action: Mike to document ippserver setup on Raspberry Pi for 3D (PENDING)
- Action: Mike to develop ipptool tests for IPP 3D (PENDING)
- Action: Mike to look at document template to fix level 3 headings which are not bold (ONGOING - template was correct, Mike will look at the System Service document instead)