

Internet Printing Protocol Workgroup Meeting Minutes January 25, 2017

Meeting was called to order at approximately 1:00pm ET on January 25, 2017.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
Bill Wagner (TIC)

Agenda Items

1. IP Policy and Minute Taker
 - IP policy accepted, Mike taking minutes
2. Review previous minutes:
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20170111.pdf>
 - Approved as posted
3. Discussion about 3D Printing standards in other groups
 - IP policy issues with PWG participation with other groups
 - Paul working with ISTO to figure out a way (liaison?)
 - Steering committee may be able to review some material/monitor things
 - Focus is on standardizing supply material (metal powder) - how to specify, validate, etc.
 - Lots of QC issues due to variability
 - Manufacturing reps do not believe interface standardization is possible (but we do)
 - Opportunity for complementary development in parallel, offer a way for a printer to advertise which material standards they conform to...
 - Make sure to have some slides on this for the F2F...
4. Status of various IPP documents (Ira/Mike/Smith)
 - IETF IPP/1.1 Updates (Mike/Ira)
 - <https://www.rfc-editor.org/authors/rfc8010.txt>
 - <https://www.rfc-editor.org/authors/rfc8011.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!
 - Published as RFC 8010 and RFC 8011 with a publication date of January 2017
 - Action: Mike to locate IPP/1.1 RFC announcement and forward to

- IPP mailing list
 - IPP Finishings 2.1 (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings21-20170117.pdf>
 - Stable draft
 - PWG Formal Vote started on 01/20/17
 - IPP 3D Printing Extensions (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20170110.pdf>
 - Stable draft
 - PWG Formal Vote started on 01/13/17
- 5. Review of IPP System Service (Ira/Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20170108-rev.pdf>
 - Interim draft
 - Reviewed by IPP WG on 1/11/17 - stopped at section 6.2.7.
 - Schedule - Prototype draft in Q1/Q2 2017
 - Section 6.3.1:
 - Line 1579: "System" instead of "Systems"
 - Section 6.3.2.1:
 - Line 1631: "Create-System-Subscriptions"
 - Section 6.3.2.2:
 - Line 1648: "Create-System-Subscriptions"
 - Global: Verify that all operations have "If accepted, the ..."
 - Global: Expand all request/response sections to list all attributes (and not just a reference)
 - Section 6.4.1:
 - Add "Does not change the system state" statement (printer-state is not changed)
 - Remove the "may change the state of the System" sentence.
 - Section 6.4.2:
 - Add "Does not change the system state" statement (printer-state is not changed)
 - Remove the "may change the state of the System" sentence.
 - Section 6.4.2.1:
 - Move successful-ok sentence up to the first paragraph of section 6.4.2.
 - Section 6.4.5:
 - "if all configured printers have moved to the 'stopped' state"
 - Section 6.4.9:
 - "This operation MAY change the ..."
 - Q: Do we need a "printer-state-reasons" value for 'resuming'?
 - A: Yes, have 'paused', 'moving-to-paused', 'stopped-partly', 'stopping', etc.
 - Section 6.4.11:
 - The System state MAY change to 'stopped' if all Printers are in the 'stopped' state.
 - Say something about shutting down only those printers that are not already stopped.
 - Section 6.4.12:

- Q: What if printer is already started?
 - A: Does a restart, provide a reference to Startup-One-Printer and define this as "startup or restart all configured Printer objects"
- Global: Update all Foo-All-Printers operations to return N groups of Printer attributes - printer-xri/uri-supported, printer-state, printer-state-reasons, printer-is-accepting-jobs, printer-uuid?
- Section 7.1.7:
 - Add "resource-format-accepted (1setOf mimeType)" where multiple values are returned, make this one a single mimeType value.
 - Action: Mike to add document-format-accepted (1setOf mimeType) from IPP INFRA to registry
- Section 7.1.11:
 - Line 1941: "to request override of an embedded digital ..."
 - Line 1945: "Security" instead of "Security"
- Section 12.5:
 - Post-install re-validation might be used for auditing/malicious software scans, but such things are outside the scope of this specification.
 - Also fingerprinting for malicious content (also out of scope)
- Section 14.1:
 - Move digital signature validation references to section 14.2 (informative references)

Next Steps / Open Actions

- Next joint SM/IPP WG conference call for slide review February 1, 2017 at 1pm ET
- Review IPP WG slides for F2F (Mike to post draft slides to IPP WG list)
- Action: Mike to locate IPP/1.1 RFC announcement and forward to IPP mailing list
- Action: Mike to add document-format-accepted (1setOf mimeType) from IPP INFRA to registry
- Action: Mike to start PWG Formal Vote of IPP 3D (DONE, thanks Smith!)
- 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)
- Action: Mike to send IANA IPP registry updates to Ira (PENDING)
- Action: Mike to add output-bin registration to IANA IPP registry (PENDING)
- Action: Mike to fix registration of job-constraints-supported and job-resolvers-supported to include "resolver-name (name(MAX))" member attribute (PENDING)