

Internet Printing Protocol Workgroup Meeting Minutes July 20, 2017

Meeting was called to order at approximately 3:00pm ET on July 20, 2017.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
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-20170706.pdf>
 - Approved as posted
3. Status
 - AMSC liaison w/PWG (Paul)
 - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20170615.htm>
 - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20170706.htm>
 - <http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20170720.htm>
 - See PWG SC minutes from 06/15/17, 07/06/17, 07/20/17
 - PWG 3D Print Job Ticket (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-smpjt3d10-20170627-rev.pdf>
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-smpjt3d10.txt>
 - Stable draft - LCRC responses reviewed at IPP WG on 06/29/17
 - Schedule - PWG Formal Vote started on 07/06/17 ends on 08/18/17
 - Mapping of CIP4 JDF to PWG PJT (JDFMAP) (Ira, Rick)
 - <http://ftp.pwg.org/pub/pwg/sm3/wd/wd-smjdfmap10-20170714.pdf>
 - Stable draft - LCRC responses reviewed at IPP WG on 07/06/17
 - Schedule - PWG Formal Vote started on 07/14/17 ends on 08/28/17
 - "platform-shape" IPP 3D registration template (Mike)
 - <http://www.pwg.org/archives/ipp/2017/019246.html>
 - Schedule - DONE - IANA registered on 07/07/17
 - Note: found duplicate printer-state-reasons trimmer-xxx keywords

- from MFDAAlerts, Mike will send update for IANA...
 - IPP HTTP Authentication White Paper (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/whitepaper/ipp-authentication.pdf>
 - PWG review at Virtual F2F on 05/04/17
 - Schedule - TBD
 - "job-password" and "job-save-disposition" (Smith)
 - <http://www.pwg.org/archives/ipp/2017/019238.html>
 - Discussed at IPP WG on 06/29/17
 - Schedule - awaiting further input from Smith
- 4. Review of Get-User-Printer-Attributes white paper (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-userop-20170524.pdf>
 - Section 3.1.2:
 - Use case because the "not listed" user policy is part of the policy logic
 - Q: Does this also apply to unauthenticated user names?
 - A: Yes, "most authenticated user", just like Create-Job, Cancel-Job, etc.
 - Section 5.1:
 - Use "This operation is semantically similar to the Get-Printer-Attributes operation [RFC8011] except that the returned attributes and values MAY be different depending on the most authenticated user and the Client must be prepared to respond to an HTTP authentication challenge."
 - Add subsections for request and response since request can include requesting-user-name, requesting-user-uri, and requesting-user-vcard (not part of Get-Printer-Attributes) in the operation attributes group; the response is the same, though
 - requesting-user-xxx attributes can (and are) sent even when HTTP authentication is used ("most authenticated user" is what is used for access control)
 - Section 7:
 - Security considerations are similar to those of Create-Job and Validate-Job which have similar authentication and policy requirements.
 - Maybe expand on this a little.
 - Section 8:
 - Add System Service spec reference
 - Update IPP/2.0 (PWG5100.12) reference.
 - Update UNICODE reference to 10.0.
 - Q: Why did we give a standard number to IPP Implementor's Guide 2.0 (an informational document)?
 - A: Mainly because we had existing printers/clients implementing the best practices
- 5. Discussion of JDFMAP getting a standard number based on Implementor's Guide 2.0
 - Implementor's Guide has implementations using the guidelines (prototype experience)

- So it should be a Best Practices document until there is prototype experience
- 6. Review of IPP Presets White Paper (Smith):
 - <http://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-ipp-preset-20170609.pdf>
 - Abstract: Job Template attributes (capitalize)
 - Add section 2.2 Printing Terminology to import terms from RFC8011
 - Section 3: Import wording from IPP Everywhere spec
 - Also make sure it is clear that the user can still override individual attributes or values, the presets are just initial templates
 - Maybe refer back to Semantic Model job ticket templates?
 - Saved job ticket resources are not exactly the same (no triggers) but a similar concept
 - Could just reference IPP System Service as resource objects of type "template-job"???
 - Section 3.1.2:
 - Insert "trigger" into the use case (to cover the automatic application of a preset)
 - Section 3.4:
 - "specify a set of attributes"
 - Q: What format to use for collection definitions?
 - A: Since there is only one defined use the inline form like job-constraints/resolvers-supported in JPS3.
 - Section 4.1:
 - Add 4.1.1 preset-key (name(MAX) | keyword) to define this member attribute
 - Add 4.1.2 Examples to provide examples:
 - job-presets-supported={
 - preset-key="draft"
 - print-quality=3
 - },{
 - preset-key="photo"
 - print-content-optimize='graphics'
 - print-quality=5
 - }
 - Section 4.2:
 - Reference 4.1.1 for preset-key
 - Add 4.2.1 Examples to provide examples matching up with 4.1.2:
 - job-triggers-supported={
 - preset-key="draft"
 - media-col={media-type='stationery-recycled'}
 - },{
 - preset-key="photo"
 - media-col={media-type='photographic','photographic-glossy','photographic-matte'}
 - }
 - 8. Question concerning page 19 of Finishings 2.1
 - Confusion over media-feed-orientation vs. orientation-requested

- Use of media-feed-orientation is only to allow a client to alert the user when a requested finishing position is not supported; positions are always based on the portrait page.
9. Review of IPP System Service (Ira/Mike)
- <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20170719-rev.pdf>
 - Prototype draft - stopped at section 6.2.7 on 06/29/17
 - Did not get to this
 - Schedule - Prototype in "ippserver", Stable draft in Q4 2017

Next Steps / Open Actions

- Next IPP WG conference call on Thursday, August 3, 2017 from 3:00-4:30pm ET
- IPP (Virtual) F2F on August 9 and 10, 2017 from 10:00am-3:00pm MT
 - Mike will post draft slides to the IPP WG list for review on August 3rd.
- Action: Mike to add "platform-shape" to the IANA IPP registry (DONE)
- Action: Mike to update document templates to use "this document" instead of "this spec" or "this standard" (PENDING)
- Action: Mike to review document template boilerplate and recommend changes and simplifications (PENDING)
- Action: Ira to post an updated stable draft of JDFMAP (DONE)
- Action: Mike to fix pva-dissolvable material-type registration (DONE)
- Action: Mike to fix 1setOf type2 keyword registrations for list of attribute/member names - not type2 (DONE)
- Action: Mike to start PWG Formal Vote after July 6 steering committee meeting (DONE)
- Action: Smith to write up job-password/job-save-disposition/resubmit use cases/requirements (PENDING)
- Action: Mike to document ippserver setup on Raspberry Pi for 3D (IN PROGRESS)
- Action: Mike to look at document template to fix level 3 headings which are not bold (ONGOING - template is correct, Mike will look at the System Service document instead)