Internet Printing Protocol Workgroup Meeting Minutes May 23, 2019

Meeting was called to order at approximately 3pm ET on May 23, 2019.

Attendees

Cihan Colakoglu (Kyocera) Kris Iverson (Microsoft) Smith Kennedy (HP) Ira McDonald (High North) Michael Sweet (Apple) Bill Wagner (TIC) Uli Wehner (Ricoh) Rick Yardumian (Canon)

Agenda Items

- 1. IP Policy and Minute Taker
 - http://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
 - IP policy accepted, Mike taking minutes
- 2. Approve IPP minutes from previous meetings
 - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20190509.pdf
 - Approved as posted.
- 3. Status/Review of various IPP mailing list notes
 - https://www.pwg.org/pipermail/ipp/2019/020085.html
 - RFC: Deprecate pages-per-subset attribute
 - Consensus is to deprecate
 - Nobody has found an implementation in the wild
 - https://www.pwg.org/pipermail/ipp/2019/020083.html
 - RFC: Obsolete page-order-received attribute
 - Consensus is to obsolete
 - Nobody has found an implementation in the wild
 - https://www.pwg.org/archives/ipp/2019/020107.html
 - RFC: "oauth-authorization-scope (1setOf name(MAX))" Printer Description attribute
 - Q: How does this work with Get-User-Printer-Attributes
 - A: Complicated, OAuth provides access authorization but does not necessarily provide identity information that could be used to lookup policy might need to default to a generic/ quest policy
 - Just do as a mailing list registration
 - Mike will post a summary of discussions to the registration
- 4. Status of AMSC and ISO liaisons w/ PWG (Paul)

- https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20190417.pdf
- See IPP minutes from PWG F2F on 04/17/19 and 04/18/19
- 5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
 - IPP Authentication Methods (Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippauth-20190515.pdf
 - Stable draft for a Best Practice
 - PWG Last Call (second) started 11 April 2019 ended 11 May 2019
 - Quorum achieved 9 responses 1 comment quorum is 8
 - Needs new "oauth-authorization-scope" attribute and other minor edits
 - Treat as last call comments
 - Do a second LCRC draft for review
 - SC approved PWG Last Call process on 20 May 2019
 - Schedule ready for PWG Formal Vote in Q2 2019 after LCRC review
 - IPP Document Object v1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wdippdocobject11-20190418.pdf
 - Stable draft Errata update for a Candidate Standard
 - PWG Call for Objections started 21 April 2019 ended 21 May 2019
 - No objections SC approved PWG CFO process on 20 May 2019
 - Schedule ready for publication
 - Action: Mike to publish IPP Document Object v1.1
 - PWG Safe G-Code Subset v1.0 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wdpwgsafegcode10-20190318.pdf
 - Stable draft for a Best Practice
 - "safe-gcode-supported" to "pwg-safe-gcode-supported" (for consistency)
 - PWG Formal Approval extended 5 May 2019 ends 4 June 2019
 - Quorum achieved 7 YES 0 NO 0 comments quorum is 6
 - Schedule publication in Q2 2019
 - Q: OK to update IPP 3D references?
 - A: Yes
 - IPP System Service (Ira/Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20190515-rev.pdf
 - https://www.pwg.org/archives/ipp/2019/020081.html
 - Stable draft for a Candidate Standard
 - IPP WG Last Call ends 31 May 2019 w/ one comment so far
 - https://www.pwg.org/pipermail/ipp/2019/020110.html
 - Schedule PWG Last Call in Q2 2019
- 6. Quick Review of IPP Job Extensions v2.0 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobext20-20190510-rev.pdf
 - Stable draft for a Candidate Standard
 - IPP WG Last Call ended 5 May 2019 w/ no comments
 - "media-col" and related attributes copied from PPX

- Schedule PWG Last Call in Q2 2019
- Section 1:
 - Line 301: "incorporates portions of the ORIGINAL IPP Production ..."
- Section 5.3.1:
 - Table 2: Upgrade all MAY's to SHOULD's
- Section 5.3.1.x: Anything OPTIONAL is now RECOMMENDED
- Section 5.4.1:
 - RECOMMENDED
- Section 5.4.2:
 - RECOMMENDED
 - Fix section reference to 5.4.1
- Section 5.5.6, 5.5.7, 5.5.8, and 5.5.9:
 - Add CONDITIONALLY REQUIRED
- Sections 5.5.27 and 5.5.28:
 - Fix broken reference
 - CONDITIONALLY REQUIRED
- Section 5.5.x: (media-xxx-supported)
 - CONDITIONALLY REQUIRED
- Section 15.1:
 - Make sure to say RECOMMENDED for any of the new recommended attributes
- Action: Mike to update IPP Job Extensions v2.0 and start PWG Last Call
- 7. Quick Review of Canon and HP IPP Extensions (Rick/Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/slides/New-IPP-Attributes-Proposal-from-Canon-and-HP-version-2-20190522.pdf
 - https://www.pwg.org/archives/ipp/2019/020108.html
 - Second draft of slides
 - Overbleed:
 - Canon originally proposed large, medium, small
 - media-overbleed use absolute measurement units
 - media-overbleed-supported might be rangeOfInteger?
 - media-overbleed-type scaled/not-scaled/unscaled (printers can replicate border pixels or use content outside the image box instead of scaling)
 - Unidirectional:
 - Continue discussing print quality extensions for explicit control, "high" enum implicitly selects
 - Eliminate Upper and Lower Margins and Banner Printing
 - minimize-whitespace? How does that work?
 - If you print a single job with multiple pages or multiple jobs with one or more pages, the pages should be joined if the media margins are
 0
 - Sometimes cutters will introduce margins due to physical limitations
 - For banner printing this is a matter of cropping content on the input pages
 - Something for production printing?

- banner-print-pages? Too many things can go wrong, probably need coordinates specifying the content box
- Image Composite Print
 - Maybe for production or enterprise
 - General watermarking is too common and implemented by clients
 - Other kinds of stamping/watermarking/insertion/overlay/underlay
- Special Print Mode
 - Barcodes are an issue from the source fuzzy images instead of bilevel B&W images
 - But maybe we can provide print quality hints to provide an override to get the intended rendering of barcode images
- Schedule TBD
- 8. Quick Review of HP Print Quality Customization (Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/white-hp-ipp-custompqi-20190423rev.pdf
 - Interim draft White paper
 - Did not get to this
 - Schedule TBD
- 9. Status of various IPP documents (All)
 - IPP Production Printing Ext v2.0 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20190514-rev.pdf
 - Errata update of PWG 5100.3-2001
 - Interim draft IPP WG review on 9 May 2019
 - Non-production attributes moved to IPP Job Extensions v2.0
 - Schedule PWG Last Call in Q2/Q3 2019
 - IPP Message Catalog Help Extensions (HELPME) (Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptooltip-20190419.pdf
 - Initial draft for a Best Practice
 - IPP WG review on 04/25/19
 - Schedule PWG Last Call in Q2/Q3 2019
 - IPP Job Accounting v1.0 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wdippaccounting10-20190418.pdf
 - Initial draft for a Best Practice
 - Schedule TBD
 - IPP Everywhere 1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20190128-rev.pdf
 - Stable draft for a Candidate Standard
 - Defer IPP WG Last Call until IPP Everywhere Self-Cert v1.1 is ready
 - Schedule Stable working drafts/beta tools in Q2 2019
 - IPP Everywhere Self-Certification Manual v1.1 (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20180704rev.pdf
 - Prototype draft for a Candidate Standard
 - Update and start IPP WG Last Call together w/ IPP Everywhere v1.1

- Schedule Stable working drafts/beta tools in Q2 2019
- IPP Enterprise Printing Extensions v2.0 (EPX) (Smith)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepe-20190327.pdf
 - Initial draft PWG F2F review in April 2019
 - Update per PWG F2F in April 2019
 - Schedule Prototype draft Q3 2019
- IPP Encrypted Jobs and Documents (Mike)
 - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20190418rev.pdf
 - Interim draft PWG F2F review in April 2019
 - Updated to change from Registration to Specification
 - Schedule Prototype draft Q3 2019
- 10. Open Printing update (Ira)
 - OP monthly calls (04/02/19) and (05/07/19)
 - OP website renovation major progress using Jekyll finish in June 2019
 - GSoC 2019 Accepted student proposals announced (05/06/19)
 - All five OP projects received GSoC 2019 slots and have assigned students

Next Steps / Open Actions

- Next conference calls on June 6 and 20, 2019 at 3pm ET
- Review Print Quality extensions, and Job Accounting at next call (in that order)
- Action: Mike to publish IPP Document Object v1.1
- Action: Mike to update IPP Job Extensions v2.0 and start PWG Last Call
- Action: Mike to post deprecation template for pages-per-subset attribute to IPP list (DONE)
- Action: Mike to post obsoletion template for page-order-received attribute to IPP list (DONE)