Internet Printing Protocol Workgroup Meeting Minutes
March 12, 2020

Meeting was called to order at approximately 3pm EST.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Chris RIzzo (Xerox)
Michael Sweet (Lakeside Robotics)
Rick Yardumian (Canon)
Bill Wagner (TIC)
Uli Wehner (Ricoh)

Agenda Items

1. IP Policy and Minute Taker
   - https://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
   - IP policy accepted, Mike taking minutes
2. Review previous minutes
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20200227.pdf
   - Approved as posted
3. Status/Review of various IPP mailing list notes
   - http://www.pwg.org/archives/ipp/2020/020468.html
     - Fwd: [TLS] FW: New Version Notification for draft-friel-tls-eap-dpp-00.txt
4. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200210.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200224.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200309.htm
   - See PWG Steering Committee minutes from 02/10/20, 02/24/20, 03/09/20
   - Note: CANCELED - PWG Concrete Printing WebEx for 03/12/20 to be rescheduled in April 2020
5. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
   - IPP Transaction-Based Printing Extensions v1.1 (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrans11-20200226-rev.pdf
     - https://www.pwg.org/archives/ipp/2020/020455.html
     - Stable draft - for a Candidate Standard errata update
     - PWG Call for Objections ends on 27 March 2020
     - Schedule - PWG Candidate Standard in Q1 2020
   - IPP Everywhere 1.1 (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20200219-rev.pdf
     - https://www.pwg.org/archives/ipp/2020/020431.html

- Stable draft - for a Candidate Standard errata update
- IPP WG review on 13 February 2020
- IPP WG Last Call ends on 12 March 2020
- Schedule - PWG Call for Objections Q1 2020
- IPP Everywhere Self-Certification Manual v1.1 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20200219-rev.pdf
    - https://www.pwg.org/archives/ipp/2020/020430.html
    - Stable draft - for a Candidate Standard errata update
    - IPP WG review on 13 February 2020
    - IPP WG Last Call ends on 12 March 2020
    - IPP Everywhere Logo Usage Guidelines discussion (from PWG SC)
    - Schedule - Start IPP WG Last Call?
- IPP Everywhere v1.1 Printer Self-Certification Tools (Mike)
    - https://www.pwg.org/archives/ipp/2020/020430.html
    - IPP WG Last Call ends 12 March 2020
    - Schedule - Approval w/ IPP Everywhere v1.1 in Q1/Q2 2020
6. Review of IPP Driverless Printing Extensions v2.0 (Smith)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippnodriver20-20200204-rev.pdf
    - Interim draft - Candidate Standard update for PWG 5100.13-2013 (JPS3)
    - Resuming at section 6.6.26
    - Section 6.6.26.1:
        - Note that the order of the keywords is not significant
        - Noted issue with current 1.1 beta tools - printer-input-tray, printer-output-tray, and printer-supply regular expressions are failing on some printers that pass with the 1.0 tests. Mike is aware of the issue and working on it...
    - Section 6.6.27:
        - Line 1856: "job creation operation" should be "Job Creation Request" (capitalized term)
    - Sections 6.6.28/29
        - Not moving to EPX because it is required for IPP Everywhere
        - Both should be REQUIRED, as in JPS3 (1.0) and for IPP Everywhere
    - Section 6.6.30.1:
        - Note that the order of the keywords is not significant
    - Sections 6.6.31/6.6.32:
        - Revert to RECOMMENDED
        - "The value SHOULD" should put the conformance requirements on the Printer, not the value (see comments from last concall)
            - Fix "The URI MUST" as well
    - Section 6.6.33:
        - REQUIRED (since requesting-user-uri is REQUIRED)
        - "Printers MUST report a value of 'true'."
    - Section 6.7:
        - Table 19: CONDITIONALLY REQUIRED for printer-supply-xxx

- Sections 6.7.3/6.7.4:
  - Make REQUIRED (required for IPP Everywhere)
  - STD92 reference for printer-current-time and printer-up-time
  - Fix IANA registry for printer-current-time (dateTimeunknown)
  - "printer-config-change-date-time (dateTimeunknown)"
  - Discuss potential "unknown" value for date-time (copied from printer-current-time)
- Sections 6.7.5/6.7.6/6.7.7:
  - CONDITIONALLY REQUIRED
  - "Printers that have consumable or fillable supplies MUST support this attribute."
  - Drop "This attribute MUST be supported if the "printer-supply-xxx" attribute is supported" (now required) but keep the ith value stuff
- Section 6.7.5.1:
  - Note that the order of the keywords is not significant
- Section 6.7.5.3:
  - Add violet to table 21
- Section 6.7.7:
  - Update conformance to be on the Printer, not the value
- Section 6.7.8:
  - Add wording that the UUID has to be stable across power cycles, firmware updates, etc.
  - "The Printer MUST report the same "printer-uuid" value on all network interfaces."
- Section 7.1:
  - "Clients MAY supply and Printers MUST accept the "requesting-user-uri" operation attribute (section ???) whenever the "requesting-user-name" operation attribute [STD92] is accepted."
  - Reword most authenticated stuff - maybe just say it works just like "requesting-user-name" in STD92.
- Section 7.2:
  - Maybe drop first-index and limit support here?
  - Mike will investigate client usage
- Section 8.6:
  - Mike: Not happy with additional enums
    - Apple won't implement, prefers a simple percentage over scattered enum values
  - Smith: HP wants to be able to map to discrete print quality settings to particular features, not a linear progression so percentages wouldn't work
  - Mike: Sounds like a "print-enhancement", "print-mode", or "print-quality-mode" (type2 keyword) attribute specifying a functional enhancement (not necessarily overall quality)
  - Or maybe "print-quality-col" collection attribute?
    - Multi-dimensional
    - Spectrum of overall quality
    - Print modes/enhancements

- template name (to use as quality presets?)
    - Remove or move (to section 10) examples, Message Catalog not string catalog
- Stopped at section 8.6
- Schedule - Prototype draft in Q2 2020

Next Steps / Open Actions

- Next conference calls March 26 and April 9, 2020 at 3pm
- Action: Mike/Smith/Ira to research how to deal with TLS before the date/time is set on printer (PENDING)
- Action: Mike to start PWG Call for Objections of IPP TRANS ending March 27 (DONE)
- Action: Mike to propose alternate implementation of eliminate-margins using imposition-template (PENDING)
- Action: Mike and Ira to contact UK GovPrint for current status (PENDING)
- Action: Mike, Smith, and Ira to provide 3D printing liaison slide updates (PENDING - need to talk with Paul to determine which slides these are)