Internet Printing Protocol Workgroup Meeting Minutes
September 12, 2019

Meeting was called to order at approximately 3pm ET.

Attendees

Cihan Colakoglu (Kyocera)
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. Discussion: ipp-features-supported
   - 'production' not included in update of 5100.3
   - "ipp-features-supported" defined in JPS3 (5100.13), which defines values for "older" specs
   - Not appropriate to define 'production' in 5100.3 since it makes conformance really messy.
   - Mike has filed an errata against 5100.12 to require ipp-features-supported
3. Approve IPP minutes from previous meetings
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20190815.pdf
      - IPP WG call on 08/15/19
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20190828.pdf
      - IPP F2F sessions on 08/28/19 to 08/30/19
   - Both approved as posted.
4. Status/Review of various IPP mailing list notes
   - http://www.pwg.org/archives/ipp/2019/020216.html
      - The testability of "document-charset", as an IPP design discussion
   - http://www.pwg.org/archives/ipp/2019/020221.html
      - RFC: print-quality-percent (integer(0:100))
      - Deferring to the next review of JPS3v2
   - http://www.pwg.org/archives/ipp/2019/020233.html
      - Typos in the IANA registry?
      - Mike has corrected in the PWG in-progress page
   - http://www.pwg.org/archives/ipp/2019/020244.html
      - Need to register both IPP and Printer MIB alert/state values defined in 5106.4

- Action: Mike and Ira to register PWG 5106.4 values with IANA
5. Status of AMSC and ISO liaisons w/ PWG (Paul)
    - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20190701.htm
    - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20190729.htm
    - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20190812.htm
    - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20190828.pdf
    - See PWG Steering Committee minutes from 07/01/19, 07/29/19, 08/12/19
    - See PWG F2F IPP minutes from 28-30 August 2019
6. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
    - IPP System Service (Ira/Mike)
        - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20190815.pdf
        - Stable draft - for a Candidate Standard
        - PWG Last Call ends 13 September 2019
        - 8 of 8 responses received for quorum, some comments didn't make it to the IPP mailing list
        - 53 comments so far
        - Schedule - PWG Formal Vote in Q3/Q4
7. Quick Review of IPP Production Printing Ext v2.0 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20190909-rev.pdf
    - Interim draft (was Prototype) - for a Candidate Standard
    - Need to add an "ipp-features-supported" value of 'production'
    - Need to finalize "imposition-template" disposition, then back to Prototype
    - PWG F2F review on 28-29 August 2019 - completed
    - Schedule - Prototype draft in Q3/Q4 2019
    - Section 2.4:
        - Update Error Sheet: One or more Media Sheets ...
    - Section 4.3:
        - Add "are" on line 412
        - Lines 421-423: Use "Media Sheets" instead of "pages"
        - Line 425: "Media Sheets" instead of "sheets"
        - Table 2 - update title to "Cover, Insert, and Separator Sheet Attributes"
    - Sections 5.1.1 and 5.1.2:
        - Merge to a single "cover-back (collection) and cover-front (collection)"
    - Section 5.1.4 (imposition-template)
        - RECOMMENDED (not every production printer can do imposition)
        - Add Ira's Signature definition to section 2.4
        - Deprecate 'signature' (ambiguous) (an implementation-defined Signature; DEPRECATED)
        - What does JDF do? See if we can align
        - Add 'booklet' keyword for 2-up booklets using half-fold and saddle stitch
        - Action: Ira and Rick to post JDF signature keywords to the IPP mailing list
    - Global: Update member attribute tables - remove REQUIRED from title, add conformance column with REQUIRED for each

- Section 5.1.7.2:
  - Capitalize Error Sheet
- Section 5.1.13.*:
  - Capitalize Separator Sheets
- Global: Check for lowercase cover, error, and separator sheets
- Section 5.2.17:
  - REQUIRED
- Section 5.2.x:
  - Missing "imposition-template-default" and "imposition-template-supported" definitions (CONDITIONALLY REQUIRED)
- Section 12.1:
  - Add list of RECOMMENDED attributes (imposition-template, force-front-side, etc.)
- Next status will be prototype
- Q: How to prototype with ippserver?
  - A: Attributes defined with ippserver printer, changes to ipptransform to handle sheets
8. Quick Review of IPP Enterprise Printing Extensions v2.0 (EPX) (Smith)
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20190903-rev.pdf
   - Interim draft - PWG F2F review in April 2019
   - Need to add an "ipp-features-supported" value of 'enterprise'
     - Q: Shouldn't we define separate feature keywords?
       - A: Yes, makes sense for each of the core features
       - Also defining 'enterprise' might be confusing.
   - Deferring document review to next concall
   - IPP WG review on 18 July 2019
   - Schedule - Prototype draft in Q3/Q4 2019
9. Status of various IPP documents (All)
   - IPP Everywhere 1.1 (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20190827-rev.pdf
     - Stable draft - for a Candidate Standard
     - PWG F2F review on 28 August 2019
     - Defer IPP WG Last Call until IPP Everywhere Self-Cert v1.1 is ready
     - Schedule - Stable working drafts/beta tools in Q3/Q4 2019
   - IPP Everywhere Self-Certification Manual v1.1 (Mike)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20190827-rev.pdf
     - Prototype draft - for a Candidate Standard
     - PWG F2F discussion on 28 August 2019
     - Update and start IPP WG Last Call together w/ IPP Everywhere v1.1
     - Schedule - Stable working drafts/beta tools in Q3 2019
   - IPP Job and Printer Extensions Set 3 v2.0 (Smith)
     - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext3v11-20190724-rev.pdf
     - Interim draft - for a Candidate Standard

- PWG F2F review on 28 August 2019 - completed
- Schedule - Prototype draft in Q3/Q4 2019
- IPP Job Accounting v1.0 (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20190418.pdf
    - Initial draft - for a Best Practice
    - PWG F2F review on 29 August 2019
    - Schedule - Prototype draft in Q4 2019/Q1 2020
- IPP Encrypted Jobs and Documents (Mike)
    - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20190418-rev.pdf
    - Interim draft - for a Candidate Standard
    - PWG F2F review on 29 August 2019
    - Schedule - Prototype draft in Q4 2019/Q1 2020?
10. Open Printing update (Ira)
    - OP monthly calls (07/09/19) and (08/06/19)
    - OP website renovation progress - resumed after GSoC completion
    - All five OP projects received GSoC 2019 slots and have assigned students
    - GSoC 2019 coding started on 27 May 2019
    - GSoC Phase 1 Evaluation ended on 28 June 2019 - all OP students passed
    - GSoC Phase 2 Evaluation ended on 26 July 2018 - all OP students passed
    - GSoC Phase 3 Evaluation ended on 2 September 2018 - all OP students passed
    - Both IPP test suite projects were successful!

Next Steps / Open Actions

- Next conference calls on September 26 and October 10, 2019 at 3pm ET
- Action: Mike and Ira to register PWG 5106.4 values with IANA
- Action: Ira and Rick to post JDF signature keywords to the IPP mailing list
- Action: Mike to reach out to PWG membership asking for job accounting information that can be shared at the next PWG face-to-face meeting (PENDING)
- Action: Mike to file issue against 5100.1 for imposition-template (DONE - keeping imposition-template in PPX, so it can stay as-is in 5100.1)
- Action: Paul to make a list of 3D printing projects for 2019-2020 (PENDING)
- Action: Mike to update WD template for standard IPP/1.1 exceptions (PENDING)