Internet Printing Protocol Meeting Minutes
June 17, 2021

Meeting was called to order at 3pm EDT.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Chris Rizzo (Xerox)
Anthony Suarez (Kyocera Document Solutions)
Michael Sweet (Lakeside Robotics)
Bill Wagner (TIC)
Uli Wehner (Ricoh)
Steven Young (Canon)

Agenda Items

1. Antitrust and IP policies, minute taker
   - https://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
   - https://www.pwg.org/chair/membership_docs/pwg-antitrust-policy.pdf
   - Antitrust and IP policies accepted, Mike taking minutes
2. Review previous minutes:
   - https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20210603.pdf
   - Approved as posted
3. Status of AMSC and ISO liaisons w/ PWG (Paul)
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20210419.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20210517.htm
   - https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20210614.htm
   - See PWG Steering Committee minutes from 04/19/21, 05/17/21, 06/14/21
4. Review of various IPP mailing list notes about Print-URI/Send-URI
   - https://www.pwg.org/archives/ipp/2021/020942.html
     - Security concerns about Print-URI
   - https://www.pwg.org/archives/ipp/2021/020955.html
     - RFC: Deprecate the Print-URI and Send-URI operations and related attributes and values (Mike on 06/16/21)
     - Smith: Has been forwarded internally within HP for discussion
     - Implementations:
       - iOS printd uses it for photo printing
       - Smith: Some cloud solutions also use it, but not necessarily the best solution?
     - Mike: Maybe do as an IPP Registration?
       - Smith: Can't help with editing, but maybe we should point people to preferred replacement solutions

- Ira: Yes, do a registration
- Ira: Deprecation is the best way forward vs. best practices?
  - Chris: Don't think anyone in Xerox is using these operations
  - Smith: I can send a copy of the IPP Registration to Mopria for comment
  - Ira: Make sure to post announcement to pwg-announce to get wider visibility
  - Mike: Post to PWG web site, Twitter/Linked In?
  - Uli: Also think that deprecation is the right way forward
- Ira: Can we also recommend support for HTTPS?
  - Mike: I guess so, at least that documents a best practice in order to mitigate one of the known issues
- Smith: Another use case/issue
  - Printer on corp LAN + guest network
  - Malicious user submits job referencing resource on corp LAN
  - Also can look at logs (job history for jobs submitted on corp LAN)
  - Bill: Be careful about going into too much detail - too many possibilities
- Bill/Smith: Make sure to include recommended alternatives for each of the issues/use cases we identify
- Action: Mike to post initial draft of IPP Registration for deprecating xxx-URI operations

5. Status of IPP Everywhere v1.1 Printer Self-Certification Tools Update 3 (Mike)
   - https://www.pwg.org/archives/ipp/2021/020938.html
   - https://www.pwg.org/archives/ipp/2021/020954.html
   - IPP WG Last Call started 05/17/21 ended 06/16/21
   - IPP WG Approved on 06/16/21
   - Chris: HTTP Upgrade test
     - Q: Why support this?
     - A: Required by STD92/RFC8010, common breaking point for older implementations, allows for opportunistic encryption by either side, CUPS does it for job-password, for example

6. Review of IPP Finishings v3.0 (Smith)
   - https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings30-20210412-rev.pdf
   - Prototype draft - for Major update
   - IPP WG review on 06/03/21 - stopped at the beginning of 5.2.9
   - Schedule - Stable draft in Q3/Q4 2021
   - Section 1:
     - Lines 257-264: Should be in section 4
   - New section 4.x:
     - Talk about portrait orientation of finishing
   - Section 5.1:
     - Lines 543-570?: Move some content into section 4
     - Figure: Move to section 4?
   - Section 5.2.9:

- Bill: Alternative to "connect"?
  - Mike: "fasten Sets of Media Sheets"
  - Line 1526: "supplies THE ..." (drop MUST, "the" instead of "its")
  - Normalize with changes to 5.2.8
- Section 5.2.9.1:
  - "parallel to the top edge of the page since positions and angles are relative to the portrait orientation of a Media Sheet" (or something like that)
- Section 5.2.9.2:
  - "Locations FOR the stitches ..." (replace "of" with "for")
  - "A Client supplies values in order..." (see punching-locations wording)
  - "THE distance" instead of "a distance" (two places)
- Section 5.2.9.4:
  - Break out the stitching-reference-edge reference into a second sentence - first says what stitching-offset does
  - Drop last sentence
- Section 5.2.9.5:
  - Drop "used" in "used for"
  - "placed along" instead of "placed in"
  - Move note about rotation to section 4 (portrait notation + reference edge discussion)
- Section 5.2.10:
  - "specifies where to cut, perforate, or score the Media Sheets"
  - make client stuff declarative ("supplies the" instead of "MUST supply its")
- Section 5.2.10.1:
  - Break up like 5.2.9.4
- Section 5.2.10.2:
  - "specifies the Finishing Reference Edge for the cut, perforation, or score."
- Section 5.2.10.3:
  - "specifies the type of trimming to use."
  - "Pierces" instead of "Perforates"
- Section 5.2.10.4:
  - "perform THE trimming operation"
- Section 5.3:
  - "A Client supplies this attribute ..."
  - Fix client SHOULD NOT and MUST in second sentence
  - "A Client supplies a value that is evenly divisible with the number of Input Pages in order to demarcate the length of a single copy or Set. A Printer MUST treat any remaining pages as a separate Set for finishing."
  - "the Client supplies a ..."
- Section 7.9:
  - Lines 2280-2282: "the Printer MAY either support this attribute with the 'no-value' out-of-band value or omit this attribute."

- Line 2284: "this attribute ADDS the members listed in ..."
- Lines 2289-2294: "To allow a Client to discover ..., a Printer SHOULD list ..."
  - Section 7.9.1:
    - Line 2378: Input Pages
  - Section 7.9.x:
    - Drop Client MUST NOT (already say that in 7.9)
  - Section 7.9.2:
    - Line 2383: Media Sheets
    - Printer MUST report a value within the range of the "job-media-sheets-supported" attribute
  - Section 7.9.3:
    - media-size-supported for allowed values
  - Section 7.9.4:
    - media-supported for allowed values, not media-size-name in media-col-database
  - Stopped at beginning of section 7.10

Next Steps / Open Actions

- Next conference calls July 15 and 29, 2021 at 3pm EST
  - No meeting July 1st due to Canada Day
- Action: Mike to post initial draft of IPP Registration for deprecating xxx-URI operations
- Action: Mike to post RFC to IPP list for Print-URI/Send-URI - deprecate or document security concerns in IIG update (DONE)
- Action: Paul to reach out to Pat at ASTM to determine contacts for IPP expansion (PENDING)
- Action: Mike, Ira, and Smith to develop IPP Everywhere value proposition content (PENDING)