Internet Printing Protocol Workgroup Meeting Minutes
November 16, 2015

Meeting was called to order at approximately 9:00am ET November 16, 2015.

Attendees

Smith Kennedy (HP)
Daniel Manchala (Xerox)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
William Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
    -   IP policy accepted, Mike taking minutes
2. Approve IPP minutes from previous meetings
    -   http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20151019.pdf
    -   http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20151104.pdf
    -   Approved as posted.
3. Status of various IPP documents (Ira/Mike/Smith)
    -   IPP 2.0, 2.1, 2.2 (Mike/Ira)
        -   http://ftp.pwg.org/pub/pwg/standards/std-ipp20-20151030-5100.12.pdf
        -   PWG Standard 5100.12-2015
        -   First PWG Standard / IEEE Standard !!!
    -   IPP Everywhere Printer Self-Certification (SELFCERT) (Mike)
        -   http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20151110-rev.pdf
        -   Stable draft - with new PWG process updates
        -   Reviewed at PWG F2F on 11/04/15
        -   Dropped license agreement - use membership agreement instead
        -   IPP Everywhere Self-Cert Beta tools released on 11/10/15
        -   Updated per Eren Rodriguez (HP) for 'media-needed' test (10 second delay)
        -   Schedule - PWG Last Call starting today
        -   Action: Mike to start PWG Last Call of Self-Cert
    -   IPP Job Password Repertoire" (Smith)
        -   http://ftp.pwg.org/pub/pwg/ipp/wd/wp-job-password-repertoire-20151012-rev.pdf
        -   Reviewed by IPP WG on 10/19/15 - waiting for new draft

- Plan is to register stand-alone (without enclosing IPP spec)
- Schedule - IPP WG review and IANA registration in Q4 2015

4. Review of IPP WG Charter (Mike)
   - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp-charter-20151106-rev.pdf
   - For review by IPP WG today and PWG SC on 11/19/15
   - Schedule PWG Formal Vote in Q4 2015
   - Add Smith Kennedy as document editor
   - Drop "personal" from "personal manufacturing devices" (two spots)
   - ("3D Printers") instead of a.k.a.
   - Drop "print-3d" from description of 3D spec
   - XFORM-1: Q2/Q3 2016
   - XFORM-2: Q3/Q4 2016
   - IPPSTATE-1, MFDALERTS-1, FAXOUT-1: Interim draft
   - IPPSTATE-2, MFDALERTS-2, FAXOUT-2: TBD
   - Printer State Extensions v1.1 (Errata)
   - Add (Errata) to IPPSTATE, MFDALERTS, and FAXOUT
   - Add Finishings 2.1 errata update
   - Status: stable
   - Action: Mike to post stable draft of IPP charter with changes since the last charter

5. Registration of "jpeg-features-supported" (Mike)
   - http://www.pwg.org/archives/ipp/2015/018635.html
   - posted by Mike on 10/21/15
   - http://afpcinc.org/wp-content/uploads/2014/04/AFPC-Subsets-v2.0.pdf
   - excellent AFPC reference from Harry Lewis on 10/21/15 - thanks!
   - Approved as posted
   - Action: Mike to send Ira an update of the IANA IPP registry
   - Q: What about PNG and TIFF?
     - A: No
     - TIFF is a nightmare for interop (too many optional bits, used for camera raw, etc.)
     - PNG is not generally used for whole documents, reference library implements everything anyways

1. CMD field of IEEE 1284 DeviceID for PWG Raster (Till Kamppeter)
   - http://www.pwg.org/archives/ipp/2015/018643.html
   - Mike answered per PWG 5107.2 on 11/08/15 - use Printer MIB value

2. IPP Staple and Punch Origins/Angles/Dimensions (Smith/Ira/Mike)
   - http://www.pwg.org/archives/ipp/2015/018651.html
   - off-list discussion on 11/06/15 to 11/09/15 started by Smith
   - potential errata update to IPP Finishings 2.0 based on JDF attributes
   - Mike/Ira to review JDF attributes and propose IPP extensions
   - Track as errata update to IPP Finishings 2.0
     - New OPTIONAL xxx-configured attributes for stitch/staple orientation and width/size, punch hole diameter?
     - Define origin of punch holes and stitches/staples (for interop)

3. Review of IETF IPP/1.1 Updates (Mike/Ira)
   - https://www.ietf.org/internet-drafts/draft-sweet-rfc2910bis-05.txt

- http://www.ietf.org/internet-drafts/draft-sweet-rfc2911bis-05.txt
- changes for new IETF Proposed Standard
- Barry Leiba (IETF ART AD) will be AD sponsor - note on 07/12/15
- Reviewed 2911bis at PWG F2F on 11/04/15 - stopped at section 5.4.28
- Section 5.4.29:
    - Drop second "Job" in "Event Time Job Status Job attributes"
- Section 5.4.30:
    - "in order to be useful" (instead of "in order to work")
- Section 5.4.32:
    - "defined in this document:"
    - Drop trailing paren after deflate
    - Add trailing periods for all list items (deflate + compress need them).
    - "described in RFC xxx" for compress and deflate
- Section 6.1:
    - "While this document does not define conformance requirements...."
- Section 7.6:
    - "redirection" - Further action IS taken ...
- Section 8:
    - "Printer ought to reject" -> "Printer rejects"
    - "For example, if a Client supplies a Job name that is in 'fr-ca', ..."
    - Bullets 3, 4, etc.: "These also can be" instead of "too"
- Global: Look for "too can"'s
- Section 9:
    - Review based on current IETF standards, IPPS RFC
- Section 9.1:
    - "Where examples are provided, they are considered ..."
- Appendix B:
    - Drop "Appendix B" from the title, look for "Appendix B:"...
    - "redirection" - Further action IS taken ...
    - "IPP CLIENTS SHOULD present the RECOMMENDED message, if present"
- Review organization/content against RFC style guide
- Global: End User, Administrator, Operator as defined terms, add to terminology
- B.1.3:
    - defined in this document
- Global: "defined in IPP/1.1" -> "defined in this document"
- Delete appendix of media names, just reference MSN2 and say something about legacy names.
- D.1:
    - Item 2: "The Document data is in the form of a print-stream" should be "The Document data is a set of input pages in a known media type."
    - "The size(scaling), position(translation)" - add spaces before parens

- Global: Print-Stream Page -> Input Page
- E: Fix table 22 "ipp-versions-supported" offset
- Action: Mike to post updated drafts of RFC2910bis and RFC2911bis
4. Review of IPP System Service (Ira/Mike)
   - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20151102-rev.pdf
   - Interim draft - need to add operation and attribute details
   - Reviewed by IPP WG on 10/05/15 - stopped at section 7.2
   - Schedule - Prototype draft in Q1/Q2 2016

Next Steps / Open Actions

- Next conference calls December 7, 2015 and January 4, 2016 at 3pm ET
- Continue review of RFC2910bis and RFC2911bis
- Continue discussion and scoping of System Service operations and attributes
- Action: Mike to start PWG Last Call of Self-Cert
- Action: Mike to post stable draft of IPP charter with changes since the last charter
- Action: Mike to send Ira an update of the IANA IPP registry
- Action: Mike to post updated drafts of RFC2910bis and RFC2911bis
- Action: Mike to post updated tools, web site, and stable draft of manual (DONE)
- Action: Bring IPP Everywhere Printer Self-Certification Manual to Steering Committee to start PWG Last Call (DONE)
- Action: Everyone to post their list of user operations for the system service to the IPP WG list (PENDING)