Internet Printing Protocol Workgroup Meeting Minutes
June 13, 2016

Meeting was called to order at approximately 3:00pm ET on June 13, 2016.

Attendees

Smith Kennedy (HP)
Daniel Manchala (Xerox)
Ira McDonald (High North)
Matthew Morikawa (Kyocera Document Solutions)
Michael Sweet (Apple)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
    -   IP policy accepted, Mike taking minutes
2. Previous Minutes
    -   http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160523.pdf
    -   Approved as posted
3. Status of various IPP documents (Ira/Mike/Smith)
    -   IETF IPP/1.1 Updates (Mike/Ira)
        -   http://www.ietf.org/internet-drafts/draft-sweet-rfc2910bis-08.txt
        -   http://www.ietf.org/internet-drafts/draft-sweet-rfc2911bis-09.txt
        -   Changes for new IETF Proposed Standards
        -   2910bis and 2911bis reviewed by PWG F2F on 04/26/16
        -   Mike to fix in future IETF draft double references to pwg.org
        -   Ira sent to Barry Leiba on 05/25/16
        -   Alexey Melnikov (IETF ART AD) as AD sponsor on 06/02/16
        -   Both specs moved to IETF stream on 06/03/16
        -   Barry Leiba as Document Shepherd on 06/09/16
        -   Alexey Melnikov sent AD review of RFC2910bis on 06/07/16
        -   Mike posted an update to 2910bis on 06/13/16
        -   Schedule - IETF Last Call in Q3/Q4 2016
    -   IPP 3D Printing Extensions (Mike)
        -   http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20160430-rev.pdf
        -   Prototype draft
        -   Reviewed by PWG F2F on 04/27/16
        -   Schedule - PWG Last Call in Q3/Q4 2016
4. IPP IANA Registration Templates (Mike)
    -   http://www.pwg.org/archives/ipp/2016/018825.html
        -   Canon multiple hole punches
    -   http://www.pwg.org/archives/ipp/2016/018826.html

- HP media sizes
- Approved as posted
- Action: Mike to send updated IANA IPP registrations to Ira
5. IPP Implementor's Guide v2 (Smith/Mike)
    - http://www.pwg.org/archives/ipp/2016/018829.html
    - http://www.pwg.org/archives/ipp/2016/018830.html
    - "job-constraints-supported" example issue from Smith 05/29/16
    - Reply from Mike 05/30/16
    - Issue is that section 5.6.8 of PWG 5100.13 does not explicitly mention 1setOf syntax for member attributes that are normally single-valued.
    - Would be useful to provide examples of both, show equivalency of separate and combined duplex constraint examples
    - Action: Smith to submit issue on PWG 5100.13 to clarify 1setOf usage for constraints in section 5.6.8
6. IPP Everywhere Self-Cert / Tools / Issues (Smith/Mike)
    - http://ftp.pwg.org/pub/pwg/candidates/cs-ippeveselfcert10-20160219-5100.20.pdf
    - http://www.pwg.org/archives/ipp/2016/018828.html
    - Various issues discussed by IPP WG on 05/23/16
    - Add Print Server requirements issue from Smith on 05/26/16
        - Existing document already includes servers
        - Issue: Purely logical devices (process and send PDF to XYZ) have no "media-empty" or "media-needed", nothing to identify, etc. - how to handle?
            - Add a checkbox on the submission form ("This is a server with no hardware output device"?) to allow those tests to fail
            - Track on github with issue #11: https://github.com/istopwg/ippeveselfcert/issues/11
        - Action: Mike to put together a list of attributes, operations, and/or values that cannot be supported by an IPP Everywhere print server (Issue #11)
7. IPP Finishings 2.1 (Smith)
    - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings21-20160509-rev.pdf
    - http://ftp.pwg.org/pub/pwg/ipp/slides/Finishings-2.1-Orientation-and-Feed-Orientation-Extensions-2016-06-09.pdf
        - Slide 4: Need to separate the Client Intent and how the printer applies that intent
        - How to handle constraints?
        - Simplify to just portrait and landscape documents
        - Separate slide to show portrait as short and long edge feed - input document on left, then media sheet as it comes from tray, then paper path ("hot dogs"), then the output that is created
    - Certain constraints are "soft" (staple angle) where printer can easily satisfy the user intent with small adjustments
    - Other constraints are "hard" (staple with envelopes, letterhead, preprinted forms, etc.) where printer cannot rotate page image to satisfy user intent
    - Slides 12-19:

- Drop media-size-xxx from finishings-col (not part of finishings-col in job ticket)
- Attribute fidelity normally determines whether printer substitutes values or fails job
    - Talk about finishings-col-actual reporting what changes (if any) were made
- http://ftp.pwg.org/pub/pwg/ipp/slides/finishings-limits-sequence-using-constraints-scenario-1.png
- http://ftp.pwg.org/pub/pwg/ipp/slides/finishings-limits-sequence-using-constraints-scenario-2-media-source-specified.png
- http://ftp.pwg.org/pub/pwg/ipp/slides/finishings-limits-sequence-using-constraints-scenario-2.png
- Interim draft
- Reviewed by PWG F2F on 04/27/16
- Feed Orientation discussed by IPP WG on 05/23/16
- Schedule - PWG Call for Objections in Q3/Q4 2016

9. Review of IPP System Service (Ira/Mike)
    - Did not get to this document
    - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20160612-rev.pdf
    - Interim draft
    - Reviewed by IPP WG on 05/09/16
    - Previously stopped at section 7.3
    - Schedule - Prototype draft in Q3/Q4 2016

Next Steps / Open Actions

- Next IPP conference calls June 20, 2016 at 4pm ET (3D) and June 27, 2016 at 3pm ET
- Action: Mike to send updated IANA IPP registrations to Ira
- Action: Smith to submit issue on PWG 5100.13 to clarify 1setOf usage for constraints in section 5.6.8
- Action: Mike to put together a list of attributes, operations, and/or values that cannot be supported by an IPP Everywhere print server (Issue #11)
- Action: Smith to send IPP Everywhere self-cert reminder to pwg-announce list (PENDING)
- Action: Ira to send RFC 2910bis and 2911bis to IETF for review (DONE - Sending to Barry)
- Action: Mike to post registration template for HP media sizes (DONE)
- Action: Mike to post registration template for Canon 'punch-multiple-xxx' values (DONE)
- Action: Mike to post updated WD template with boilerplate "operating system providers" fixed (DONE)