Internet Printing Protocol Workgroup Meeting Minutes
June 29, 2017

Meeting was called to order at approximately 3:00pm ET on June 29, 2017.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
Anna Yankova
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
   - IP policy accepted, Mike taking minutes
2. Approve previous minutes:
   - http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20170608.pdf
   - Approved as posted
3. IPP Registrations
   - Action: Mike to fix pva-dissolvable material-type registration
   - Action: Mike to fix 1setOf type2 keyword registrations for list of attribute/member names - not type2
   - Mike: need to send "platform-shape (type2 keyword)" Printer attribute template to IPP list
     - Attribute describes shape of build platform
     - Some FDM printers use a fixed build platform that is round, with 3-axis head movements
4. Status
   - AMSC liaison w/PWG (Paul)
     - http://ftp.pwg.org/pub/pwg/liaison/ansi/pwg-rapid-may-2017.pdf
     - http://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20170615.htm
     - See PWG SC minutes from 06/15/17
   - Get-User-Printer-Attributes white paper (Smith)
     - http://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-userop-20170524-rev.pdf
     - PWG review at Virtual F2F on 05/04/17
     - Schedule - TBD
   - IPP Presets White Paper (Smith):
     - http://ftp.pwg.org/pub/pwg/ipp/whitepaper/tb-ipp-preset-20170609.pdf
     - IPP WG review on 05/11/17

- Schedule - TBD
- IPP HTTP Authentication White Paper (Smith)
  - http://ftp.pwg.org/pub/pwg/ipp/whitepaper/ipp-authentication.pdf
  - PWG review at Virtual F2F on 05/04/17
  - Schedule - TBD
- Mapping of CIP4 JDF to PWG PJT (Ira, Rick)
  - http://ftp.pwg.org/pub/pwg/sm3/wd/wd-smjdfmap10-20170504.pdf
  - Stable draft - PWG Last call started ended 06/15/17 - LCRC pending
  - Schedule - PWG Formal Vote Q3 2017 as Best Practices
- IPP WG Charter (Ira)
  - http://ftp.pwg.org/pub/pwg/ipp/charter/ch-ipp-charter-20170615.pdf
  - Status - IPP WG and PWG Steering Committee approved 05/25/17
  - PWG Approved - PWG Call for Objections ended 06/09/17

5. Interaction of "job-password" and "job-save-disposition" (Smith)
   - http://www.pwg.org/archives/ipp/2017/019238.html
   - Note that "job-password" is an operation attribute (not visible on Job)
   - Should better define the use cases of job-password with saved jobs
   - Errata for PWG 5100.11 (JPS2):
     - How do job-password and job-save-disposition interact?
       - 5100.11 talks about held jobs not using save-disposition until the job moves to the processing state
     - How do job-password/job-password-encryption persist for Resubmit-Job?
       - Undefined, but does it make sense if the resubmit happens from the console?
   - job-save-disposition was not tightly defined on purpose (to allow for different implementations, particularly from Xerox)
   - Don't know whether a job will be saved for resubmission
     - CUPS ended up using a configurable value, defaults to saving the last 24 hours of print jobs
   - Action: Smith to write up job-password/job-save-disposition/resubmit use cases/requirements

6. Review of PWG 3D Print Job Ticket (Mike)
   - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-smpjt3d10-20170627-rev.pdf
   - http://ftp.pwg.org/pub/pwg/ipp/wd/lcrc-smpjt3d10.txt
   - Stable draft - PWG Last call ended 06/16/17
   - Action: Mike to start PWG Formal Vote after July 6 steering committee meeting

7. Review of IPP System Service (Ira/Mike)
   - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20170624-rev.pdf
   - Update Unicode reference to v10.0.0 (June 2017)
   - Section 5.2, table 1: reference for ipp-features-supported is PWG 5100.13
   - Global: Check other tables for missing references to IPP attributes without corresponding SM elements
   - Line 856: Fix figure/section reference
   - Discussion on printer-id range (1:65535)

- Needed for use with SNMP, Bluetooth, etc. which have restrictions on the size of an ID
- Implementations needing more than 64k print queues need to use printer-uuid and/or partitioning of printer-id number spaces.
- Section 6.1.5 (Get-Printers)
    - "authorized User" instead of Client
    - Drop lines 1179 and 1180 - just rely on section 6 note
- Global: Check for other instances of "authorized Client"
- Section 6.2.x:
    - Drop authentication notes here, add a new one at the top of section 6 to talk about most operations requiring Client authentication, Clients MUST support HTTP Basic and SHOULD support HTTP Digest per RFC 8011.
- Section 6.2.4.1:
    - Section 7.3 reference has misspelled name (Attrbutes - missing i)
- Section 6.2.7: Still need to fill this out
- Stopped at section 6.2.7

Next Steps / Open Actions

- Next IPP WG conference call on Thursday, July 6 and July 20, 2017 from 3:00-4:30pm ET
- Action: Mike to fix pva-dissolvable material-type registration
- Action: Mike to fix 1setOf type2 keyword registrations for list of attribute/member names - not type2
- Action: Mike to start PWG Formal Vote after July 6 steering committee meeting
- Action: Smith to write up job-password/job-save-disposition/resubmit use cases/ requirements
- Action: Mike to document ippserver setup on Raspberry Pi for 3D (IN PROGRESS)
- Action: Mike to look at document template to fix level 3 headings which are not bold (ONGOING - template was correct, Mike will look at the System Service document instead)