Internet Printing Protocol WG Conference Call Minutes
September 19, 2011

Meeting was called to order at approximately 1:00pm Eastern September 19, 2011.

Attendees

Nancy Chen (Oki Data)
Justin Hutchings (Microsoft)
Tim McCann (Konica Minolta)
Ira McDonald (High North/Samsung)
Glen Petrie (Epson)
Michael Sweet (Apple)
Paul Tykodi (TCS)
Bill Wagner (TIC)
Pete Zehler (Xerox)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Review of previous concall minutes:
   a. ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20110829.pdf
   b. Approved as posted
3. Status of IANA IPP Registry corrections
   a. ftp://ftp.pwg.org/pub/pwg/ipp/IANA-IPP-registrations/IANA-484235-more-registry-fixes-20110826.pdf
   b. new updates sent to IANA on Friday 26 August
   c. completed by IANA on Wednesday 7 September
   d. Mike just found another bug in registry for number-up-supported
   e. Action: Ira to send number-up-supported fix to IANA
4. Status of IPP Interoperability Event - to start at October F2F
   a. http://www.cups.org/software.php (CUPS 'ipptool' download)
   b. status of Apple legal comment on alternate license for 'ipptool'
      - Ongoing discussions inside Apple
   c. status of IPP/2.1 and IPP/2.2 scripts
      - Finishing up, will be posting beta soon
   d. reconfirm beta testers - Danny B, Jerry T, Ira M, others?
5. Status of LDAP Printer Schema v2 - update to RFC 3712
   a. ftp://ftp.ietf.org/rfc/rfc3712.txt
   b. Ira to create first draft
   c. Pat Fleming (IBM) will be co-editor and assign IBM OIDs for attributes
   d. Which directory attributes should we add from IPP JPS3, e.g., printer-uuid, printer-geo-location, ipp-extensions-supported?
      - Need to document new attributes - are they appropriate for directories, and are they READ/WRITE for Set-Printer-Attributes
      - Action: Ira and Mike to work with IANA to update registry to include a "set allowed" column for attributes
      - Do we make them required? printer-uuid definitely, others maybe (or strongly recommend)
   e. Also update SLP Printer Schema in appendix (and register w/ IANA)
   f. Should we update keywords in existing directory attributes, e.g., printer-finishings-

supported?
6. Review of IPP over HTTPS Transport Binding and 'ipps' URI Scheme
    a. ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-03-20110826.pdf
    b. plaintext IETF I-D converted to PDF w/ line numbers
    c. all comments from IETF URI Review mailing list have been addressed
    d. ready to send to IETF Apps ADs as an Independent Submission
    e. Section 3.1: "over" should be lowercase to be consistent with 3.2 and title
    f. Lines 140-141: "project for mobile, ubiquitous printing with generic drivers." (check abstract too)
    g. Line 263: Add reference to RFC 2910 to cover use of POST
    h. Line 296: "over the security transport layer"
    i. Line 301: Add reference to RFC 2910 to cover use of POST
    j. Add section references for well-known specs?
    k. Use "example.com" for domain name instead of "abc.com".
    l. Section 4.6; expand on why IP addresses should not be used:
        - IPv6 link local addresses are not "portable" due to link identification issues
        - IP addresses change and don't map to security domains
        - Hard to validate IP address with server X.509 certificate (does not map to common name or alternate name)
    m. Section 4.6.1: Add "ipps://example.com/ipp" example.
    n. Section 4.6.2: Add "ipps://example.com/ipp/123" example.
    o. Lines 554-557: Indent error
    p. Lines 587-590: Indent error
    q. Lines 592-598: Combine c and d into a single item (MUST listen on standard port and MUST NOT listen on non-standard ports unless ...)?
    r. Lines 600-603: Move after following item (group MUSTs and SHOULDs)
    s. Lines 621-622: Add back reference to text describing why IP addresses are a bad idea.
    t. Lines 637-639: Add mention of secure communications
    u. Lines 645-649: Add mention of secure communications
    v. Line 652: "Mac OS X"
    w. Line 695: "can be used" instead of "are sufficient"
    x. Line 703: "can be used" instead of "are sufficient"
    y. Line 708: "potentially causing"
    z. Line 711: Change "practical" to "general"
    a. Line 712: Remove "compromising"
    b. Line 810: Just link to http://www.pwg.org/ipp
7. F2F topics
    a. Status
    b. Interop/demo (coordinate with Brian)
    c. Printer alerts
    d. LDAP printer schema?
    e. IPP Everywhere update review
    f. JPS3 update review (if we have time)
    g. Action: Mike to post draft slides for F2F before next concall

Next Steps / Open Actions

- Joint IPP/Cloud slide review conference call September 26, 2011 at 1:00pm (ET)
- Action: Mike to post draft slides for F2F before next concall
- Action: Ira to send number-up-supported fix to IANA
- Action: Ira and Mike to work with IANA to update registry to include a "set allowed" column

for attributes
- Action: Ira to post plain text errata for 5100.7 - document-format-device-id needs to be text(1023) (ONGOING - in a week or two)
- Action: Mike to make first-index and media-col unconditionally REQUIRED in JPS3 (ONGOING)
- Action: Mike to put together slide comparing the definitions of sheets, images, and impressions in ISO DPA, IPP, Printer MIB, Counter MIB, Job MIB, SM, lost color spec? for the next F2F (ONGOING - also "cell" from 5100.3?)
- Action: Mike to add "automatic" from 3.12 for JPS3 "print-rendering-intent" (ONGOING)
- Action: Mike to add pages-per-subset from 5100.4 to JPS3 (ONGOING)
- Action: Mike to add proposed job-originating-user-uri text to JPS3 (ONGOING)
- Action: Pete to add definition of "impressions" to future Semantic Model document
- Action: Pete to ask Xerox legal about running LGPL executables (ONGOING)
- Action: Mike to post update with tests for IPP/2.1 and IPP/2.2 (ONGOING - beta soon)
- Action: Mike to ask Apple legal about releasing ipptool under alternate license (ONGOING)
- Action: Ira and Glen to send additions from JDF and JTAPI to Mike (ONGOING - Glen sent a bunch, Ira will send as part of mapping work)
- Action: Mike to post updates to common use cases, IPP Everywhere, JPS3, and PWG Raster by F2F (ONGOING - posting final edits from use case BOF, back in the hands of the corresponding spec editors)
- Action: Paul and Ira to solicit DLNA assistance for UPNP discovery (ONGOING - Ira will ping Marc Yousey at HP)
- Action: Mike and Paul to reach out to label/portable printer vendors to join IPP WG discussions (ONGOING - both to send summary to ipp list and details to SC list)