Internet Printing Protocol WG Minutes
October 2, 2012

Meeting was called to order at approximately 1:00pm ET October 2, 2012.

Attendees

Nancy Chen (Oki Data)
Matthew Hansen (Toshiba)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Daniel Manchala (Xerox)
Tim McCann (Xerox)
Ira McDonald (High North/Samsung)
Glen Petrie (Epson)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
Paul Tykodi (TCS)
Larry Upthegrove (End-User)
Bill Wagner (TIC)
Rick Yardumian (Canon)
Peter Zehler (Xerox)

Agenda Items

1. IP Policy and Minute Taker
   a. Policy accepted with Mike taking the minutes
2. Slides:
   a. No more MIB registrations pending
   b. JPS3 errata: also job-mandatory-attributes, add IPP errata page to www.pwg.org/ipp
3. Review of IPP Everywhere
   a. ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-20120926-rev.pdf
   b. GP113:
      - Change "generic drivers" to "vendor-neutral Client software"
      - Action: Ira to change IETF specs to use "vendor-neutral Client software" instead of "generic drivers"
   c. GP28, GP30, GP39:
      - Change "User" in use cases to proper names to avoid confusion with "User" terminology in other specs.
   d. Line 244, section 2.2: Job: "An object created and managed by a Printer that ..." (make it read like the definition for Document)
   e. Line 255, section 2.3: Re-word Discovery definition to include Enumeration (Finding Printers by querying or browsing local network segments or by Enumeration of Directory or Name Services)

f. Line 256, section 2.3: Discovery Protocol: drop this term
g. Line 257, section 2.3: Change "Imaging Devices" to "Printers" in Enumeration definition
h. Section 2.x: Use colons for Term: definition
   - Action: Mike to update specification template to use full colon to separate the term from the definition
i. Line 274, section 2.3, Operator: "printer" should be "Printer"
j. Line 283, section 2.3, User: "using a Client to communicate with a Printer"
k. Section 2.4:
   - Add UPnP Forum
   - Add NFC Forum
   - Add IEEE
l. Line 331, section 3.1: XML 1.1?
m. Line 343, section 3.1: Add references to core LDAP and SLP RFCs
   - SLPv2 RFC 2608
   - LDAP RFC ????
n. Line 429, section 3.2.1.8: "QRCode" -> "Quick Response Code (QR Code)"
o. Line 516, section 3.2.2.5: "An assistant" instead of "A resort assistant"
p. Global: Replace "IPP Everywhere Printer" and "IPP Everywhere Client" with "Printer" and "Client"
q. Lines 663-664, section 4:
   - "Discovery" instead of "discovery"
   - "Printers MUST support DNS-SD and WS-Discovery. Printers MAY support other Discovery protocols such as LDAP, SLP, and SSDP."
   - "Clients MUST support DNS-SD and/or WS-Discovery. Clients MAY support other Discovery protocols such as LDAP, SLP,and SSDP."
r. Global: Make sure "printer" is capitalized as needed
s. Line 704, section 4.2.3: "text" not "Text"
t. Line 711, section 4.2.3: Add "to limit the size of the TXT record" to the end.
u. Table 2: "Driver Keys" -> "Keys"
v. GP70: Reject, no change needed (section 4.2.3.1)
w. Lines 1227-1228, section 5.3.6: Don't expand IEEE (GP92), add reference to 1284 (check Command Set spec for correct reference)
x. Line 1248, section 5.3.6: Add "Note: Printer MUST NOT report other non-standard abbreviations of the required keys."
y. MY1:
   - Table 6: Add job-mandatory-attributes-default/supported from 5100.7 with note for paid imaging services
   - Table 8: Reference to job-mandatory-attributes is in 5100.7
z. Table 6:
   - Make sure job-account-id-default/supported is there pointing to

5100.3
  a. Table 8:
      -   job-billing-info should be job-account-id
  b. Line 1329, section 6: JPEG subset "defined" in the ...
  c. Line 1399, section 8.4: Add reference to DHCP RFC
  d. Section 9.1: Add i18n and security considerations to client
      requirements (copy from printer requirements)
  e. Section 10: Check that IPP/2.0 SE I18N chapter concerning
      normalization issues
  f. Line 1575, section 14.1: Fix OPC reference
  g. Lines-1597-1600: Fix PWG 5100.13 reference
4. Review of MSN2
  a. ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn20-20120923-rev.pdf
  b. Line 588, section 9: Add items for I18N and Security considerations
  c. Section 15.1: Add reference to 5198 and anything else we are missing
5. Review of IPP FaxOut Service
  a. ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfaxout10-20110922.pdf
  b. Phone number: tel: URI
      -   Map from subunits?
      -   Q: How to change?
          -   Normally read-only
          -   A: Settable through system control service
          -   Document setting the value is outside the scope of the
              faxout service, might be set outside the faxout service
  c. Set-Printer-Attributes: anything subunit related is read-only
  d. "Sticky" printer-state-reasons
      -   Need a diagram
      -   Need job-state-reasons corresponding to some printer-state-
          reasons (line busy, etc.) that are "sticky"
      -   No sticky keywords on printer-state-reasons
  e. Already prototyped in CUPS/OS X 10.7.
6. IPPSIX:
  a. Reviving Send Notifications requires subscription object/ID
  b. Do we have a "check in" operation to get/create subscription in CPS?
      Or is the subscription object created as part of registration (out of
      band)?
  c. Or do we just define new operations (Update-Service, Update-Job,
      Update-Document???) similar to Send-Notifications that doesn't rely
      on a subscription object?
      -   May not need to have separate Update-Document since
          document status can be updated via job?
  d. Also want to address sparse update instead of updating everything
      (media-col-database and other large attributes)
  e. What about config rollback/crash of CPS?
      -   Events use sequence numbers, CPM can query CPS sequence
          number to determine whether a partial or full update is

required?

Next Steps / Open Actions

- Next conference call is October 22, 2012 at 3pm ET
- Discuss priorities for future work
- Discuss possible PWG Certification of IPP Everywhere
- Action: Ira to change IETF specs to use "vendor-neutral Client software" instead of "generic drivers"
- Action: Mike to update specification template to use full colon to separate the term from the definition
- Action: Ira/Bill to submit technical errata to RFC 3805 to replace CR with CR + LF to be consistent with 5198 and others (PENDING)
- Action: Ira/Mike to contact IETF ADs to get IPPS URI schema RFC pushed through (PENDING)
- Action: Mike to change document template to use static date in header (ONGOING - pending upload to ftp server)
- Action: Ira to check syntax for multi-valued strings and length limits in LDAP Printer schema (ONGOING)
- Action: Ira and Mike to review 5100.x specs to remove action items, fix boilerplate copyright text in early specs, fix header/footer/document titles as needed, and fix normative references to drafts, etc. (ONGOING)
- Action: Ira and Mike to work with IANA to update registry to include a "set allowed" column for attributes and improve the plain text formatting (ONGOING)
- Action: Mike and Paul to reach out to label/portable printer vendors to join IPP WG discussions (ONGOING - Paul to send out before next concall)