

# Internet Printing Protocol WG Minutes

## July 28, 2014

Meeting was called to order at approximately 3:00pm PT July 28, 2014.

### Attendees

Smith Kennedy (HP)  
Daniel Manchala (Xerox)  
Tim McCann (Konica Minolta)  
Ira McDonald (High North)  
Mike Sweet (Apple)  
Paul Tykodi (TCS)  
Bill Wagner (TIC)  
Rick Yardumian (Canon)

### Agenda Items

1. IP Policy and Minute Taker
  - a. Policy accepted with Mike taking the minutes
2. Approve IPP minutes from previous meetings
  - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20140630.pdf>
  - b. Approved as posted
3. Status of various IPP documents (Ira/Mike/Pete)
  - b. LDAP Printer Schema (Ira)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-07-20140313.pdf>
    - IPP WG reviewed on 31 March
    - Needs new HTTP/1.1 references updates
    - Ready for IETF Last Call
  - c. IETF IPP over HTTPS Binding and 'ipps' URI Scheme (Ira)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-12-20140420.pdf>
    - Completed edits from IPP WG review on 14 April
    - Needs new HTTP/1.1 references updates
    - Ready for IETF Last Call
  - d. IPP Self-Certification (Mike)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20140509-rev.pdf>
    - Prototype draft - waiting for prototype reports
    - Reviewed at PWG F2F in May
    - Schedule - July-ish for beta tools, spec update, and web site, definitely by August F2F
    - PWG Last Call Q1 2015
  - e. IPP Shared Infrastructure Extensions (Mike)

- <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsix10-20140226-rev.pdf>
  - Prototype draft - waiting for prototype reports
  - Schedule - PWG Last Call Q3 2014
4. IPP Finishings 2.0 (Mike)
- a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20140701.pdf>
  - b. Stable draft
  - c. WG Last Call completed July 25 with no comments
  - d. Action: Mike to post PWG Last Call of IPP Finishings 2.0 ending August 22
5. Review of IPP Scan Service from PWG Last Call (Pete Zehler)
- a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20140620.pdf>
  - b. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20140725-rev.pdf>
  - c. <http://ftp.pwg.org/pub/pwg/ipp/wd/IPPScanComments.pdf>
  - d. Stable draft
  - e. PWG Last Call concluded 7/21/14 with 12 respondees with 12 technical and 129 editorial comments
  - f. TC 1: Accept, Mike to provide Pete with a list of Printer Status attributes from Table 2
  - g. TC 2: Accept, copy from IPPSIX
  - h. TC 3: Accept
  - i. TC 4: Defer until Pete and Soma can provide background; possible Note: in text
  - j. TC 5: Reject, spec was in error, see comment 9 from Mike Sweet about Bonjour text
  - k. TC 6: Reject: 'file' URIs are out of scope and have been intentionally omitted
  - l. TC 7: Accept, add to security considerations: "credentials MUST be sent over a physically secure local interface or over an encrypted network connection".
  - m. TC 8: Accept as proposed
  - n. TC 9: Accept, reword section 10 to make print the flagship service, standalone scanners report the Scan service values for the various TXT record keys (UUID, ty, product, etc.)
  - o. TC 10: Accept, see comment 9
  - p. TC 11: Accept, see comment 2
  - q. TC 12: Accept, review at F2F
  - r. EC 38: Needs same treatment as TC 1, Mike to provide Pete with a list of Job Status attributes from Table 5
  - s. EC 41: Accept, needs to be updated
  - t. EC 62: See TC 12 (update resolution column)
  - u. EC 67: Accept, map monochrome and bi-level to W (white/luminance), auto is RGB or W
  - v. EC 71: Accept, change to "The REQUIRED output-attributes ..." and drop second sentence
    - Sections 8.1.6.x: Add OPTIONAL to any optional member attributes to avoid confusion
  - w. EC 73: Accept, change to "A value of 100 produces the largest output with the highest quality while a value of 0 produces the smallest output with the

- least quality."
- x. EC 77: Accept, change to "The OPTIONAL destination-attributes member attribute ..."
  - y. EC 78: Accept (done)
  - z. EC 79: Accept
  - a. EC 80: Accept
  - b. EC 81: Accept
  - c. EC 82: Accept (done)
  - d. EC 83: Accept
    - Also end of Section 8.4.3.6
  - e. EC 84: Accept
  - f. EC 85: Accept
  - g. EC 86: Accept
  - h. EC 87: Accept
  - i. EC 88: Accept
  - j. EC 89: Accept
    - Also section 8.4.4 should be "Printer attribute"
  - k. EC 90: Accept
  - l. EC 91: Accept
  - m. EC 92: Accept
  - n. EC 93: Accept
  - o. EC 94: Accept
  - p. EC 95: Accept
  - q. EC 96: Accept
  - r. EC 97: Accept
  - s. EC 98: Accept, also "section 3" reference
  - t. EC 99: Accept
  - u. EC 100: Accept, (also not in caps)
  - v. EC 101: Accept
  - w. EC 102: Accept
  - x. EC 103: Accept, also "U" for unknown for TMA (per Bonjour printing spec, this should be the default)
  - y. EC 104: Accept, section is 10.3.1.4 (missing "1")
  - z. EC 105: Accept
  - a. EC 106: Accept (done)
  - b. EC 107: Accept
  - c. EC 108: Accept, conditional conformance listed separately
  - d. EC 109: Accept
  - e. EC 110: Accept
  - f. EC 111: Accept
  - g. EC 112: Accept
  - h. EC 113: Accept
  - i. EC 114: Accept
    - Also fix "PWG5100. SCAN" (remove spaces in references)
  - j. EC 115: Accept
  - k. EC 116: Accept
  - l. EC 117: Accept

- m. EC 118: Accept
  - n. EC 119: Accept
  - o. EC 120: Accept
  - p. EC 121: Accept
  - q. EC 122: Accept (done)
  - r. EC 123: Accept
  - s. EC 124: Accept, just reference 7230 (per IETF HTTPbis guidance)
  - t. EC 125: Accept
  - u. EC 126: Accept
  - v. EC 127: Accept
  - w. EC 128: Accept (still need to remove November 2012)
  - x. EC 129: Accept (done)
1. Review of IPP Implementor's Guide v2.0 (Smith)
    - a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20140513-rev.pdf>
    - b. Prototype draft - waiting for prototype reports
    - c. Did not get to this

## Next Steps / Open Actions

- Joint IPP/Cloud conference call August 4, 2014 at 3pm ET
- IPP F2F meetings August 13 at 3:15pm ET and August 14 at 11:15am ET and 1pm ET
- Next IPP conference call August 25, 2014 at 3pm ET
- Action: Mike to post PWG Last Call of IPP Finishings 2.0 ending August 22
- Action: Mike to post discussion and register 'collator' and 'job-separator' values for "output-bin" in the IANA IPP registry (PENDING - Mike to send Ira the updated XML registry file with prohibition for output-bin-actual)
- Action: Ira to add comments to Printer MIB TC for fax-modem-protocol-error and xxx-recoverable-storage-error - suffix dropped from IPP keyword with corresponding suffix (-error, -report, -warning) added depending on the printer state. (PENDING)
- Action: Mike to submit IANA registration for IPP printer-state-reasons updates for fax-modem-protocol and xxx-recoverable-storage (PENDING)
- Action: Ira to submit Printer MIB registration for new xxx-missing PrtAlertCodeTC values (PENDING)
- Action: Mike to propose an approach for deprecation of IPP attributes and values in the IANA registry (ONGOING)