

# Internet Printing Protocol WG Minutes

## April 14, 2014

Meeting was called to order at approximately 3:00pm ET April 14, 2014.

### Attendees

Smith Kennedy (HP)  
Daniel Manchala (Xerox)  
Tim McCann (Konica Minolta)  
Ira McDonald (High North)  
Mike Sweet (Apple)  
Bill Wagner (TIC)  
Peter Zehler (Xerox)

### Agenda Items

1. IP Policy and Minute Taker
  - a. Policy accepted with Mike taking the minutes
2. Review previous minutes
  - a. <http://ftp.pwg.org/pub/pwg/ipp/minutes-ippv2-f2f-minutes-20140331.pdf>
  - b. Approved as posted
3. IPP FaxOut - flash character in pre/post-dial-string
  - a. No objections to use 'f' for flash
  - b. Action: Mike to produce stable draft of IPP FaxOut with flash character for PWG Call for Objections
4. Status of various IPP documents (Ira/Mike)
  - a. IPP Scan Service (Pete Zehler)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20140227-rev.pdf>
    - reviewed Prototype draft and prototype report
    - For destination-attributes:
      - MUST NOT include/support job-password, password-password-encryption, document-password
      - SHOULD NOT included other attributes containing authentication information
    - next draft will be prototype for review at April 28 concall
    - Plan is to move to stable after next concall
  - b. LDAP Printer Schema (Ira)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-07-20140313.pdf>
    - reviewed on 31 March
    - ready for IETF Last Call
  - c. IPP Self-Certification (Mike)
    - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20140124-rev.pdf>

- <http://www.pwg.org/archives/ipp/2014/017935.html>
- schedule for live PWG web support - late May?
- d. IPP Shared Infrastructure Extensions (Mike)
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsix10-20140226-rev.pdf>
  - Prototype draft
  - waiting for prototype reports
- e. IPP Finishings v2.0 (Mike)
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20140116-rev.pdf>
  - Ira/Mike still need to cross-check w/ Finisher MIB (RFC 3805)
  - Action: Mike to release a prototype draft of FIN2
- 5. Review of IETF IPP over HTTPS Binding and 'ipps' URI Scheme (Ira)
  - a. <http://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-11-20140407.pdf>
  - b. completed edits from IPP WG review on 31 March
  - c. Line 542 in section 5.3 - make "at <https://www.cups.org>" a proper informative reference [CUPS] (other places too)
  - d. Line 629: "The fourth 'ipps' URI ..." (not the third)
- 6. Review of IPP Implementor's Guide v2.0 (Smith)
  - a. <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20140410-rev.pdf>
  - b. first Prototype draft
  - c. waiting for prototype reports
  - d. Abstract: Double period at end of sentence...
  - e. Table of contents issue between 5.8.11 and 5.8.12 - bad heading?
  - f. 5.9: Drop "with ..." from heading
  - g. 3.1, line 272: "implementors will benefit from ..."
  - h. 3.2.2:
    - "Developer Implementing IPP Printer Support"
    - "In reading this IPP Implementor's Guide v2.0, ..."
  - i. 3.3:
    - "The following are out of scope for this specification:"
    - Item 1: "Definitions of extensions or modifications to the Internet Printing Protocol"
    - Item 2: User experience is definitely out of scope: "Normative statements regarding user experience."
    - Item 3: "Definitions of new file formats or modifications of existing file formats" (see IPP Everywhere)
    - Item 4: "Definitions of extensions or modifications to the HyperText Transport Protocol"
  - j. 3.4:
    - Item 1: "server" -> "Printer" (check globally for any IPP usage, should be Printer. For HTTP server is OK)
    - Item 2: "Enumerate a series of implementation alternatives"
    - Item 3: "Rank those alternatives according to a qualitative grading scheme"
    - Include security topics and/or other content in document.
  - k. 4:

- Reword first paragraph, evaluating/discussing different alternatives, "number of" repeated.
  - Line 304: "Most of the descriptions below ..."
  - Generally make more concise
  - Break out example using Example style lines
- l. 4.1.1:
- Drop last sentence "While discovery protocols ..."
  - "The URI identifies a specific resource which is relevant only on the host where the Printer Object resides."
  - Drop "IPv4" and "DNS" ("as simple host names or network addresses.")
  - Drop "Unfortunately, IPP currently does not ..."
  - Line 346: "enumerates the allowed URIs on the host system."
  - Reword last paragraph - make concise: here is the problem, here are the options for doing it:
  - Be positive/glass half full :)
  - BETTER: "with printer-uri with resource set to "/"", look at printer-uri-supported, uri-authentication-supported, and uri-security-supported to choose best match (first that matches)?
  - Drop talk of Get-Printers/System Control Service, make current BETTER the BEST
  - Note: RFC 3382 defined printer-xri-supported is also available, but not widely implemented
- m. Global: "Alternatives" instead of "Options"
- n. 4.2
- Line 423: "Selecting a Printer can be misleading if the user isn't allowed access to it."
  - Drop current best, promote current "better" to "best"
- o. Global: Reduce alternatives where possible by saying "do everything in Foo, and then do ..." (e.g. if BEST is BETTER + one new operation, just show the delta)
- p. 4.3:
- "Get Printer Capabilities"
  - BAD = making a single assumption about capabilities of all printers, blindly sending documents as-is (e.g. plain text, PostScript, etc.)
  - Current BAD -> POOR, include example of static PPD files
- q. Stopped at section 4.3

## Next Steps / Open Actions

- Next IPP conference call April 28, 2014 at 3pm ET
- Joint IPP/Cloud conference call May 5, 2014 at 3pm ET
- IPP face-to-face meetings May 13, 2014 at 2:15pm PT and May 15, 2014 AT 9am PT
- Action: Mike to produce stable draft of IPP FaxOut with flash character for PWG Call for Objections

- Action: Mike to release a prototype draft of FIN2
- Action: Ira to add comments to Printer MIB 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.
- Action: Mike to submit IANA registration for IPP printer-state-reasons updates for fax-modem-protocol and xxx-recoverable-storage
- 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)
- Action: Ira/Paul/SM workgroup to review values of finishings-col member attributes to make sure we have parity with common JDF values (PENDING)
- Action: Ira and Mike to make sure finishing MIB and Finishings 2.0 are in sync (PENDING)
- Action: Mike to add spec best-practices to WD template, fix abstract wording (PENDING)