

Internet Printing Protocol WG Minutes

December 2, 2013

Meeting was called to order at approximately 3:00pm ET December 2, 2013.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
William Wagner (TIC)
Rick Yardumian (Canon)
Pete Zehler (Xerox)

Agenda Items

1. IP Policy and Minute Taker
 - a. Policy accepted with Mike taking the minutes
2. Review of previous minutes
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20131007.pdf>
 - b. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20131022.pdf>
 - c. Fix spelling of Kyocera for Russell Brudnicki
 - d. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20131125.htm>
 - e. Add missing action items:
 - Action: Mike/Ira to ask Microsoft for WS-Discovery test script
 - Action: Mike to ask Justin about WS-Discovery probe response example
 - Action: Ira to ask OpenPrinting about writing WS-Discovery tool
 - f. Approved as posted and with minor corrections
 - g. OpenPrinting WS-Discovery tool:
 - Daniel Dressler has volunteered to write one using GSOAP
 - Same tool could be built and used on Windows
 - Q: Do we make the tool work like ippfind (and farm out testing to scripts) or put all of the test logic into the tool?
 - A: Advantages to both, ongoing discussion
 - Call for implementations to test with (Printers)
 - h. Mopria Alliance
 - Still unsure about certification requirements - is IPP Everywhere self-cert a prerequisite?
 - Will be talking with them again in January
3. Status of various IPP documents (Ira/Mike)
 - a. IETF LDAP Printer Schema (Ira)
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-schema-05-20130919.pdf>

- pending edits per IETF Apps Area review by Alexey Melnikov (email 18 November)
 - review Alexey's comments and decide on appropriate edits
 - Ira will post proposed response to the apps area review to the IPP list
- b. IETF IPP over HTTPS Binding and 'ipps' URI Scheme (Ira)
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-09-20131105.pdf>
 - edits in response to IETF Apps Area review by Tom Petch
 - awaiting IETF Apps Area WG feedback and further IETF reviews
 - d. IPP Transaction-based Printing Extensions (Mike)
 - <ftp://ftp.pwg.org/pub/pwg/candidates/cs-ipprtrans10-20131108-5100.16.pdf>
 - PWG Approved - PWG Candidate Standard 5100.16-2013
 - e. IPP Shared Infrastructure Extensions (Mike)
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsex10-20130923-rev.pdf>
 - Prototype draft
 - waiting for prototype reports
 - f. IPP Self-Certification (Mike)
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20131014-rev.pdf>
 - waiting for new draft from Mike (from October F2F review)
4. Review of IPP Fax Out (Mike)
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfaxout10-20131115a-rev.pdf>
 - b. PWG Approved - review editorial fixes from Formal Vote
 - c. also review new FujiXerox comments (email 29 November)
 - d. Section 9.1: item 8 points to bad section number
 - e. Action: Mike to publish IPP FaxOut Service as PWG 5100.15
 5. Proposal for marker-xxx-missing (Lee Hills)
 - a. review proposal from Lee Hills (email 19 November)
 - b. discuss and decide on IPP and Printer MIB updates
 - c. Process: for MIB updates, cross-post to WIMS and IPP mailing lists, but discuss in IPP WG concalls
 - d. In 5100.9, check for other states that mapped to multiple IPP keywords
 - e. Action: Mike to provide IPP xxx-missing keyword registrations
 - f. Action: Ira to submit Printer MIB registration for new PrtAlertCodeTC values
 - g. Action: Mike to propose an approach for deprecation of IPP attributes and values (in the IANA registry)
 7. Review of IPP Scan Service (Pete Zehler)
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20131005.pdf>
 - b. continue review at section 4.5 (from 25 November)
 - c. Q: Use input-attributes operation attribute, like IPP FaxOut?
 - A: Yes
 - d. Q: Does input-attributes get copied to job/document ticket?
 - A: Yes, as input-attributes-actual
 - e. Table 4/Section 4.5:

- Drop media-xxx, print-quality, printer-resolution
 - Make multiple-document-handling conditionally required based on multiple document support
 - Make page-ranges optional (edge case)
 - Note 2: "for scan jobs" (not for fax jobs)
 - Note 3: "for push scan"
 - Renumber notes (copy is note 1, etc.)
 - Add output-attributes? (for document-format, etc.)
- f. Table 5/Section 4.6:
- Drop compression-supplied, document-format-xxx
 - Add input-attributes-actual
 - Add output-attributes-actual?
 - job-impressions/-completed counts the number of images sent to the destination(s)
 - job-input-images/-completed (new) counts the number of images scanned (also OPTIONAL)
 - job-media-sheets/-completed counts the number of sheets that have passed through the media path (OPTIONAL; duplex scanning without dual scanners will result in double counts)
 - Also look at adding document-input-images/-completed (may not need document prefix - check media-sheets and impressions)
 - Split into two tables: Job Status and Description
- g. Section 5: Make PDF required
- h. Section 5.1: Remove
- i. Section 6.1:
- Add request attribute - "scan-data (boolean)"? - to support blocking behavior (a la Get-Notifications in RFC 3996)
 - Maybe add response attribute - "scan-get-interval (integer)"? - as a hint to the client when to bug the scan service again
 - Add status codes for "done" and "more coming"
 - Also see notes from Mike's email
- j. Section 7.1.1.1: this is input-color-mode, extend those values as needed
- k. Section 7.1.1.2 and 7.1.1.3: Move to output-attributes member attributes
- l. Section 7.2: Drop note
- m. Section 7.2.1:
- Second sentence: The "destination-uri" attribute MUST be supplied for push scan jobs and MUST NOT be supplied for pull scan jobs.
 - Add something similar to the Create-Scan-Job operation
- n. Global: change 5100.FAX to 5100.15
- o. Resume at section 7.3
8. Review of IPP Implementor's Guide v2.0 (Smith)
- a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20131002-rev.pdf>
 - b. continue review at section 7 (from October F2F)
 - c. Did not get to this.
9. Review of IPP Finishings v2.0 (Mike)
- a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20130814.pdf>
 - b. continue review at section 5.1 (from 23 September)

c. Did not get to this

Next Steps / Open Actions

- Next IPP conference calls December 16, 2013, January 13, 2014, and January 27, 2014 at 3pm ET
- Next IPP F2F session February 5, 2014 at 9am PT
- Continue reviewing updated IIG2
- Action: Mike to publish IPP FaxOut Service as PWG 5100.15
- Action: Mike to provide IPP xxx-missing keyword registrations
- Action: Ira to submit Printer MIB registration for new PrtAlertCodeTC values
- Action: Mike to propose an approach for deprecation of IPP attributes and values (in the IANA registry)
- Action: Mike/Ira to ask Microsoft for WS-Discovery test script (PENDING)
- Action: Mike to ask Justin about WS-Discovery probe response example (PENDING)
- Action: Ira to ask OpenPrinting about writing WS-Discovery tool (DONE - Daniel Dressler has volunteered to write a GSOAP-based tool)
- 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 update IPPSIX to include device-name/uuid as a potential operation attribute for Identify-Printer (PENDING)
- Action: Ira/Joe to issue errata on IDS Attributes for multi-valued FirmwarePatches (DONE - working being done in IDS)
- Action: Mike to add spec best-practices to WD template (PENDING)
- 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: Paul to reach out to label/portable printer vendors to join IPP WG discussions (ONGOING - Paul to send out list ASAP)