

Internet Printing Protocol WG Conference Call Minutes

October 31, 2011

Meeting was called to order at approximately 1:00pm Eastern Time October 31, 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)
William 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 conference call minutes:
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20111017.pdf>
 - b. 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.
 - c. Action: Ira to post message to IPP WG list to review 5100.x specs for bad text
 - d. Approved as posted
3. Status of IANA IPP Registry corrections
 - a. <http://www.pwg.org/ipp/ipp-registrations.xml>
 - b. Ira waiting for IANA diff package from Mike - later this week
4. Status of IPP Interoperability Event - started at October F2F
 - a. <http://www.cups.org/software.php> (CUPS 'ipptool' download)
 - b. issues - next release for issues found by PWG users?
 - c. Please provide feedback/bug reports to Mike
 - d. Mike to provide update later this week/early next week
5. Status of other IPP Everywhere specs
 - a. PWG Raster, IPP Everywhere 1.0: Next week
 - b. Also sample raster data updated (finally) next week
6. Quick review of Printer MIB MFD Alerts
 - a. <ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmpmfdalerts10-20111030-rev.pdf>
 - b. review *only* list of alerts in Table 2 on page 16
 - c. No objections to changes
7. Review of IPP Job and Printer Extensions - Set 3 (JPS3)
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext3v10-20111013-rev.pdf>
 - b. Line 294: Change to lowercase "must" for consistent ordering (informative section)
 - c. Section 1.5:
 - Add history about format: widely used plain text format since NeXTSTEP
 - Add "MIME Media Type" before "text/strings"
 - Reword "request language", e.g. "language specified by the attributes-natural-language attribute in the Client request".

- d. Section 2.1:
 - Missing RECOMMENDED from list of terms.
 - Add CONDITIONALLY REQUIRED definition.
 - Action: Mike to update document template to include RECOMMENDED and CONDITIONALLY REQUIRED, make level 4 headings bold
- e. Use cases:
 - Review for completeness and out-of-scope items
- f. Section 3.2.1:
 - Expand on geo-location method as out-of-band, provide examples, printer provides configured/detected value.
- g. Section 3.2.6:
 - "Paying with his corporate credit card by an out-of-band method such as making a telephone call and providing the job identification and credit card."
- h. Section 3.2.9:
 - Add missing/incorrect password to list.
- i. Section 3.3:
 - "Constraining choice of document formats suitable..."
- j. Section 3.4:
 - Item 13: roll-fed printing attributes and values
- k. Action: Ira to send input/output tray text to IPP WG list for incorporation into JPS3
 - Amend media-source-properties
 - Maybe add output tray stuff or message to map from output-bin
- l. Section 4.1.1:
 - Add requesting-user-uri to list of operation attributes.
 - Add another section on additional semantics for all IPP operations allowing requesting-user-uri as an operation attribute
- m. Section 5.1.2:
 - Remove conditional conformance sentence at the end.
- n. Action: Mike to include a slide about using CONDITIONALLY REQUIRED in IPP specs to the IPP WG session slides for December 2011 F2F
- o. Section 5.1.x:
 - Add forward references to xxx-supported in all cases
- p. Section 5.1.3:
 - Start on new page, separate conditional requirement to new paragraph.
- q. Section 5.1.4:
 - Amend to include all operations (drop "job or subscription creation")
 - Lines 621-624: Reword - Printer object may modify the values supplied based on information obtained from an authentication service (see Sections...)
- r. Section 5.2.1:
 - Add subsection for why no pages-per-subset-default attribute:
 - Simplify text from 5100.4:
 - There is no "pages-per-subset-default" because there is no mechanism for a client to specify that there are no Input-Page subsets except to omit this attribute, which would cause the Printer to use the "pages-per-subset-default" attribute and create the default subsets. Without this attribute, a client can achieve subsets only by including the "pages-per-subset" attribute in the Job and the default is no subsetting. Also, if there were a defaulting mechanism, it isn't clear that customers would use the same partitioning over and over.
- s. Make level 4 headings bold
- t. Sections 5.3.5 (job-originating-user-uri):
 - "the most authenticated URI of the end user"
 - Provide reference to requesting-user-uri section

- u. Section 5.4.2 (notify-subscriber-user-uri):
 - "the most authenticated URI of the end user"
 - Provide reference to requesting-user-uri section
 - Fix document title for 3995
- v. Sections 5.x.1 (xxx-uuid)
 - Update MUST be a urn:uuid: UUID, include document title for RFC 4122
 - Update limit (uri(81)?)
- w. Section 5.6.20 (printer-geo-location)
 - Confirmed "unknown" as the appropriate out-of-band value for this attribute.
- x. Section 5.6.27 (printer-strings-uri)
 - Add printer-strings-languages-supported (1setOf naturalLanguage) attribute to get list of supported languages
 - Make conditionally required with printer-strings-languages-supported
- y. Figure 1 (ABNF for printer-supply): Fix page breaks as needed
- z. Section 5.6.31 (requesting-user-uri-supported):
 - Fix references (missing section numbers)
- a. Section 6.5:
 - Change to all operations
 - "Only if such **an authenticated URI** is not available does the Printer object ..."
- b. Section 6.6:
 - Line 1279: "If the Printer determines that the supplied document-password value is not **correct**, ..."
 - Investigate document object vs. job life cycle - failed document can abort job or allow completion with errors
 - Document fidelity - do we have something, do we want something analogous to job ticket fidelity - don't print whole job unless all documents can be printed (access control/passwords)
 - Validate-Document operation?
- c. Section 7.2: Fix reference
- d. Stopped at section 7.4 (media-col)

Next Steps / Open Actions

- Next conference call November 14, 2011 at 1:00pm (ET) FOR 2 HOURS
- Ira to post updated LDAP Schema RFC
- Continue review of new JPS3 draft at section 7.4
- Review new PWG Raster and IPP Everywhere specs
- Use case discussions
- 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.
- Action: Ira to post message to IPP WG list to review 5100.x specs for bad text
- Action: Mike to update document template to include RECOMMENDED and CONDITIONALLY REQUIRED, make level 4 headings bold
- Action: Ira to send input/output tray text to Mike for incorporation into JPS3
- Action: Mike to include a slide about using CONDITIONALLY REQUIRED in IPP specs to the IPP WG session slides for December 2011 F2F
- Action: Mike to send Ira the new XML and a diff (ONGOING - this week)
- Action: Mike to add printer-charge-info to table in IPP Everywhere 1.0, add conformance requirements for LDAP, note LDAP/SLP limitations on string lengths (127 or 255 octets) (ONGOING)
- Action: Mike to add note for DNS-SD TXT record limits (ONGOING)

- Action: Mike to add printer-device-id discussion to require required key/value pairs first to avoid issues with truncation by directory services (ONGOING)
- Action: Ira to check matching rule OIDs on lines 1766-1772 of the LDAP schema RFC (ONGOING)
- Action: Ira to send number-up-supported fix to IANA (PENDING)
- Action: Ira and Mike to work with IANA to update registry to include a "set allowed" column for attributes (ONGOING)
- Action: Ira to post plain text errata for 5100.7 - document-format-device-id needs to be text(1023) (REPLACED BY NEW 5100.x action item - need to work with SC since there are more errata)
 - Make sure media-material IANA registration line is removed from 5100.x
- Action: Pete to add definition of "impressions" to future Semantic Model document (Mike to send reminder)
- Action: Pete to ask Xerox legal about running LGPL executables (ONGOING)
- Action: Mike to ask Apple legal about releasing iptool 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 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)