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:
   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
   b. Ira waiting for IANA diff package from Mike - later this week
4. Status of IPP Interoperability Event - started at October F2F
   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
   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)
   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.

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 massage 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 ipptool 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)