

Internet Printing Protocol WG Conference Call Minutes

June 13, 2011

Meeting was called to order at approximately 1:00pm (EDT) June 13, 2011.

Attendees

Nancy Chen (Oki Data)
Justin Hutchings (Microsoft)
Tim McCann (Konica Minolta)
Ira McDonald (High North/Samsung)
Ron Nevo (Samsung)
Glen Petrie (Epson)
Amir Shahindoust (Toshiba)
Michael Sweet (Apple)
Jerry Thrasher (Lexmark)
Bill Wagner (TIC)
Pete Zehler (Xerox)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - a. Policy accepted with Mike taking the minutes
2. Approve IPP minutes from PWG face-to-face meeting
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-f2f-minutes-20110525.pdf>
 - b. Note spelling mistake in Justin Hutchings name - Mike to post corrections
 - c. Approved with correction above
3. PWG Raster
 - a. <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp-raster10-20110327-rev.pdf>
 - b. Status: Interim (with very brief Prototype to verify the document covers all of the implementation issues, then Stable for WG last call)
 - c. "IPP Printer" -> "printer" for most places (other than IPP printer description attributes)
 - d. Header: PWG Raster Format, not "PWG Subset of CUPS Raster"
 - e. Section 3: rationale for embedded job ticket?
 - Put it in design requirements?
 - Action: Glen to supply list of page header fields to Mike
 - Address minimal embedded job ticket information
 - Out of scope: numbered list of what is out-of-scope (fields that are not compatible with PWG SM)
 - f. Section 3.2: Use Cases, use new format/cases based on discussion
 - g. Section 3.3: Reword to make legacy PostScript job ticket info OOS
 - h. Section 3.4: Numbered list of requirements
 - Line 266: "Some form of data compression should be used to limit network bandwidth usage."
 - i. Section 4: PWG Raster Format
 - Add all page header fields
 - Anything that doesn't map to PWG Job Ticket is defaulted to 0 or the empty string
 - 4.3.1: Reference MFD Model?
 - Need to coordinate with Pete to get printer description attributes added to model

- 4.3.2: Reference MFD Model's FeedDirection as well we JPS2's feed-orientation
- 4.4: Change 0x and add description of "0xXX.XX.XX.XX" notation with ABNF RFC 5234 reference?
- Add durable link to sample images in informative references
- j. Section 5
 - Change to define MFD model properties (extending MFD Model)
 - Add appendix with IPP attribute bindings for those properties
 - 5.2: Add clarifications for the reason why we have it.
 - Ira: JPS3 might want to have a new document-resolutions-supported for input documents?
 - Ira: Production printing set 1 - document-format-details could contain document-resolutions-supported?
 - Mike: May not matter, generally can use printer-resolutions-supported to get a compatible resolution for pre-rendered content/areas
 - 5.1: PwgRasterDocumentBackSide
 - 5.2: PwgRasterDocumentResolutionSupported
 - 5.3: PwgRasterDocumentTypesSupported
- k. Section 6: Conformance
 - Add subsections for IPP Printer and IPP Client referencing normative appendix
 - Still have generic conformance requirements for raster capabilities
 - Will rework for MFD focus and separate IPP conformance requirements
 - Add additional requirements as discussed in F2F...
- l. Section 10: Add MFD Model reference
- m. Section 11:
 - Add Ira and other contributors
- 4. Status of IANA IPP Registry updates (Ira/Mike)
 - a. 10 PWG specs through IPP/2.0 SE submitted in 2009
 - b. still pending w/ Michelle Cotton at IANA
 - c. Specs with missing IANA Considerations sections
 - PWG 5101.1 - Media Standardized Names
 - need to add photo sizes and possibly other updates (media colors?)
 - PWG 5101.2 - RepertoireSupported Element
 - Appendix B defines IPP repertoire-supported attribute and ABNF
- 5. Review common scenarios/use cases (Mike)
 - a. Continue discussion from Cloud Imaging WG meeting on 6 June
 - b. Danger of getting too broad is that we essentially end up with a menu of use cases that a spec wanted to implement - defeats the purpose of defining the use cases and then coming up with a solution.
 - c. Use broad scenario(s) in common use cases document to derive use case classes and instances
 - Individual protocol specs can define narrow scenarios that reference common use cases or their own use cases.
 - d. Broad Scenario: Mobile Device User Prints Document to Printer
 - Not a pre-configured printer, a "compatible printer"
 - Not a mobile device, a "client device"
 - "Client device types", include desktop, server, etc.
 - Source of document: web page, remote document, generated content, etc.
 - Merge type of application, connection of a printer, and mobile communication info networking or communication between client and printer
 - Client/printer are "attached" to network/interface
 - Client/application connects to printer

- Printing type -> processing intent/instructions
 - Photo printing
 - Plain paper printing
 - Duplex
 - Finishing options (staple, etc.)
 - Missing steps: initiate, select printer, select job ticket settings, submit job, monitor job/printer, completion (go through prior minutes to get full list of steps)
 - e. Capture use cases/scenarios from MFD Requirements
6. Next steps:
- a. Action: Mike to post update to common use case document before next concall
 - b. Review Larry's posted use cases/scenarios

Next Steps / Open Actions

- Next Cloud Imaging WG conference call June 20, 2011 at 1:00pm (EST) - 2 HOURS
- Next IPP WG conference call July 11, 2011 at 1:00pm (EDT) - 2 HOURS
- Action: Glen to supply list of page header fields to Mike
- Action: Mike to post update to common use case document before next concall
- Action: Paul and Ira to solicit DLNA assistance for UPNP discovery (ONGOING)
- 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)