

Internet Printing Protocol Meeting Minutes

October 24, 2024

Meeting was called to order at 3:00pm ET.

Attendees

Charles Armstrong (Canon)
Benjamin Gordon (Google)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Piotr Pawliczek (Google)
Chris Rizzo (Xerox)
Michael Sweet (Lakeside Robotics)
Anthony Suarez (Kyocera)
Bill Wagner (TIC)
Uli Wehner (Ricoh)

Agenda Items

1. PWG IP policy, minute taker, administrivia
 - Mike is taking minutes
2. Review IPP minutes from previous meeting:
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20241010.pdf>
 - Approved as posted
3. Pending IPP WG documents:
 - IPP/2.x Fourth Edition (BASE)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippbase23-20240912-rev.pdf>
 - PWG CfO concludes November 8, 2024
4. Discuss mailing list posts:
 - <https://www.pwg.org/pipermail/ipp/2024/021721.html>
 - Registration of envelope sizes with duplicate sheet media sizes
 - Smith: No real objection
 - Bill: Should be a way to distinguish the orientation/position of the envelope flap
 - Ira: media size names might be the wrong way to go
 - Mike: MSN does differentiate between envelope-only vs. sheet sizes
 - Charles: New sizes are variations on flap position/orientation
 - Mike: Does ISO specify flap location?
 - Uli: Not in my experience when buying envelopes - different locations; also differences per printer (flap open/closed, etc.), makes sense to have different displayed media names per locale

- Smith: You can have a different displayed name per locale
 - Bill: Might need to put address info in a different place based on the flap location/orientation
 - Mike: What is the difference between jpn_youchou3 and existing jpn_chou3?
 - Charles: I can find out
 - Mike: Would like to better understand the definition of the ISO sizes WRT flap location
 - Uli: Is there an actual problem you are trying to solve?
 - Charles: Yes, can't print certain sizes (Kaku6 has one rotation, C5 has a different rotation)
 - Smith: Can describe this with media-col, would need to encode this in a new keyword for media - seem to be unwilling to "let media go" (and use media-col)
 - Mike: From the Client perspective, it is doing all the formatting/ orientation work and C5/Kaku6 are the same
 - <https://www.pwg.org/pipermail/ipp/2024/021725.html>
 - What to do with "media-ready" when there are no values
 - <https://www.pwg.org/pipermail/ipp/2024/021727.html>
 - Post-quantum crypto news - additional NIST competition to add different kinds of PQC signature algorithms
5. Review IPP Firmware Update Extensions v1.0 (FWUPDATE)
- <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfwupdate-20241024-rev.pdf>
 - Smith: Is Management Device defined anywhere else?
 - Mike: Sure there is but can't think of it now
 - Figure 1:
 - Chris: Should arrowheads be double-ended? Or just use the arrow to show the direction of the firmware goes?
 - Mike: If you omit arrowheads then it just shows that one entity talks to another without specifying how
 - Smith: Will add lines connecting management device bits, add a non-IPP client on management device, drop arrowheads
 - Also two "C"s in the figure
 - Section 4:
 - Line 286: the IPP Printer or System can provide information
 - Use "scenario" instead of "model"
 - Bill: Not talking about autonomous-only, just triggered autonomous
 - Smith: I can add it back
 - Mike: autonomous would allow printer to report status updates to client (update available and will be installed tonight, update was installed, update installation failed, etc.)
 - Section 5.1:
 - Fix section 0 (broken ref)
 - Mike: Change to simply request an update without waiting to return update info, could add a response attribute indicating an estimated time when the Client should expect an update in Get-Printer-Attributes or via notifications, add a keyword to printer-state-

reasons ('firmware-update-check-pending' or something like that)
until the check is completed

- Stopped at the end of 5.1
- Smith: Should we limit to SMB or include enterprise? For future discussion.
 - Ira: Send this to the mailing list so we can start thinking about it.

Next Steps / Open Actions

- Next conference call on November 7, 2024 at 3pm
- F2F meetings on November 12 and 13, 2024
- Talk about more "Strong Device Identity" at future (soon) concall, determine requirements/use cases
- Action: Mike to update the IPP How-To Guide and post to IPP list for discussion (PENDING)
- Action: Paul to review existing 3D use cases and identify any gaps (DONE)
- Action: Mike to update IPP Everywhere 2.0 test files (PENDING - started work on it)