

Internet Printing Protocol Workgroup Meeting Minutes

March 26, 2020

Meeting was called to order at approximately 3pm EST.

Attendees

Cihan Colakoglu (Kyocera Document Solutions)
Smith Kennedy (HP)
Jeremy Leber (Lexmark)
Ira McDonald (High North)
Chris Rizzo (Xerox)
Michael Sweet (Lakeside Robotics)
Rick Yardumian (Canon)
Bill Wagner (TIC)
Uli Wehner (Ricoh)

Agenda Items

1. IP Policy and Minute Taker
 - https://www.pwg.org/chair/membership_docs/pwg-ip-policy.pdf
 - IP policy accepted, Mike and Smith taking minutes
2. Approve IPP minutes from previous meetings
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20200312.pdf>
 - Approved as posted
 - <https://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20200319.pdf>
 - Approved as posted
3. Status/Review of various IPP mailing list notes
 - <https://www.pwg.org/archives/ipp/2020/020479.html>
 - RFC: IPP Everywhere Value Proposition
 - Reply to original mailing list message to provide feedback
 - Bullet 1: "Google's Chrome OS and all Linux distributions use CUPS, and CUPS uses IPP Everywhere"
 - Have a link to CUPS, expand on what CUPS is in press release/blog/slides
 - CUPS is the defacto standard printing system for most operating systems except Windows
 - Bullet 4: "to improve the quality of implementation, improve customer satisfaction, and lower support costs"
 - Bullet 5: "IPP Everywhere CAN BE adopted as a replacement" as a non-definitive statement
 - Bullet 6: "IPP Everywhere is a convenient, full-featured, and easy to use open standard that accelerates development and support of

new client devices, so IPP Everywhere conformance allows existing printer products to be compatible with new clients using IPP Everywhere."

- Get Anne to do a blog post based on this content
- Could do a feature matrix, but that might violate IPR for AirPrint and Mopria
- Mike will post an update to the wiki and mailing list
- <https://www.pwg.org/archives/ipp/2020/020481.html>
 - IPP Everywhere ipp-tests.sh printer-alert
 - What to do for an empty table?
 - Many implementations report "code=other" for empty printer-alert
 - Some report empty string ("").
 - Ideally also should allow no printer-alert attribute if there are no alerts
 - 5100.9 doesn't say what to do, always requires the attribute
 - Consensus:
 - Printers SHOULD NOT return "printer-alert" if the prtAlertTable is empty.
 - "code=other" or "code=unknown" by itself can be interpreted as "code=printerReadyToPrint"
 - "printer-alert" and "printer-alert-description" are RECOMMENDED for IPP/2.0 but IPP Everywhere 1.0 makes it REQUIRED
 - Make RECOMMENDED in IPP Everywhere v1.1
 - Add note to table 7: Physical Devices SHOULD and Logical Devices MAY support this attribute.
 - Add a sections about "printer-alert" and "printer-alert-description" - SHOULD NOT return if the prtAlertTable is empty.
 - Action: Mike to update IPP Everywhere Printer Self-Cert tools to not require printer-alert, accept empty string plus any valid non-empty string.
 - Any clients that use printer-alert?
 - Nobody knows of any client using it
- 5. Status of AMSC and ISO liaisons w/ PWG (Paul)
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200224.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200309.htm>
 - <https://ftp.pwg.org/pub/pwg/general/sc/pwg-sc-call-minutes-20200323.htm>
 - See PWG Steering Committee minutes from 02/24/20, 03/09/20, 03/23/20
 - Note: CANCELED - PWG Concrete Printing WebEx for 03/12/20 to be rescheduled in April 2020
- 6. Status of PWG and IPP WG Formal Approvals and Last Calls (All)
 - IPP Transaction-Based Printing Extensions v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrans11-20200226-rev.pdf>
 - <https://www.pwg.org/archives/ipp/2020/020455.html>
 - Stable draft - for a Candidate Standard errata update
 - PWG Call for Objections ends on 27 March 2020

- Schedule - PWG Candidate Standard in Q1 2020
- 7. Quick Review of IPP Everywhere 1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve11-20200312-rev.pdf>
 - Stable draft - for a Candidate Standard errata update
 - IPP WG Last Call ended on 12 March 2020
 - Schedule - PWG Call for Objections Q1 2020
- 8. Quick Review of IPP Everywhere Self-Certification Manual v1.1 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert11-20200312-rev.pdf>
 - Stable draft - for a Candidate Standard errata update
 - IPP WG Last Call ended on 12 March 2020
 - Schedule - PWG Call for Objections Q1 2020
- 9. Quick Review of IPP Everywhere v1.1 Printer Self-Certification Tools (Mike)
 - <https://www.pwg.org/archives/ipp/2020/020430.html>
 - IPP WG Last Call ended 12 March 2020
 - Schedule - Approval w/ IPP Everywhere v1.1 in Q1/Q2 2020
- 10. Status of various IPP documents (All)
 - IPP Driverless Printing Extensions v2.0 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd-ippnodriver20-20200204-rev.pdf>
 - Interim draft - for a Candidate Standard
 - IPP WG review on 19 March 2020 - completed!
 - Schedule - Prototype draft in Q2 2020
 - IPP Encrypted Jobs and Documents v1.0 (Mike/Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipptrustnoone10-20200218-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG F2F review on 6 February 2020
 - Schedule - Stable draft in Q2/Q3 2020
 - Job Accounting for IPP v1.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippaccounting10-20200129-rev.pdf>
 - Interim draft - for a Best Practice
 - PWG F2F review on 5 February 2020
 - Schedule - Prototype draft in Q2 2020
 - IPP Production Printing Ext v2.0 (Mike)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippppx20-20200130-rev.pdf>
 - Prototype draft - for a Candidate Standard
 - PWG F2F review on 5 February 2020
 - Just waiting on prototyping in ippsample
 - Schedule - Stable draft in Q2 2020
 - IPP Enterprise Printing Ext v2.0 (Smith)
 - <https://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippepx20-20191010-rev.docx>
 - Interim draft - for a Candidate Standard
 - PWG F2F skipped on 6 February 2020
 - Schedule - Prototype draft in Q2 2020
- 11. Open Printing update (Ira)
 - <https://openprinting.github.io>
 - <https://developers.google.com/open-source/gsoc>

- OP website is now live w/ IPP Everywhere logo
- OP monthly calls on 02/11/20, 03/17/20 and upcoming 04/07/20
- GSoC 2020 Timeline (*updated)
 - DONE - 14 January - Mentoring organization applications submissions start
 - DONE - 5 February - Mentoring organization application submissions end
 - DONE - 5-19 February - Google program admins review org applications
 - DONE - 20 February - List of accepted mentoring orgs published
 - DONE - 20 February to 16 March - Potential students discuss ideas w/ mentors
 - 16 March - Student application submissions start
 - 31 March - Student application submissions end
 - 21 April* - Student slot requests due from Org Admins
 - 30 April* - Student Project selections due from Org Admins
 - 4 May* - Accepted student projects announced
 - 1 June* Coding officially begins!
 - 29 June* - Mentors and students can begin submitting Phase 1 evaluations
 - 3 July* - Phase 1 Evaluation deadline
 - 27 July* - Mentors and students can begin submitting Phase 2 evaluations
 - 31 July* - Phase 2 Evaluation deadline
 - 24-31 August* - Final week: Students submit final work and mentor evaluations
 - 31 August to 7 September* - Mentors submit final student evaluations
 - 8 September* - Final results of Google Summer of Code 2020 announced
 - October* - GSoC 2020 Mentor Summit (at risk of cancelation)

Next Steps / Open Actions

- Next conference calls April 9 and 23, 2020 at 3pm
- No call next week
- Talk about IPP Everywhere 1.1 at next conference call
- Action: Mike to update IPP Everywhere Printer Self-Cert tools to not require printer-alert, accept empty string plus any valid non-empty string.
- Action: Mike to post an initial draft of IPP System Service Discovery with DNS-SD document (DONE)
- Action: Mike to review section 11 of NODRIVER, suggest changes to be consistent with STD92 (PENDING)
- Action: Mike to add ipp->http/ipps->https when generating URIs in section 8.4 of IPP Everywhere 1.1 (PENDING - soon)
- Action: Mike/Smith/Ira to research how to deal with TLS before the date/time is

set on printer (PENDING)

- Action: Mike to propose alternate implementation of eliminate-margins in NODRIVER using imposition-template (PENDING)
- Action: Mike and Ira to contact UK GovPrint for current status (PENDING)
- Action: Mike, Smith, and Ira to provide 3D printing liaison slide updates (PENDING - need to talk with Paul to determine which slides these are)