

Internet Printing Protocol Workgroup Meeting Minutes

August 15, 2016

Meeting was called to order at approximately 3:00pm ET on August 15, 2016.

Attendees

Smith Kennedy (HP)
Ira McDonald (High North)
Michael Sweet (Apple)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - IP policy accepted, Mike taking minutes
2. Approve IPP minutes from previous meetings
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160725.pdf>
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160808.pdf>
 - Approved as posted
3. Status of various IPP documents (Ira/Mike/Smith)
 - IETF IPP/1.1 Updates (Mike/Ira)
 - <http://www.ietf.org/internet-drafts/draft-sweet-rfc2910bis-09.txt>
 - <http://www.ietf.org/internet-drafts/draft-sweet-rfc2911bis-10.txt>
 - Changes for new IETF Proposed Standards
 - RFC2910bis approved on 08/08/16, in RFC editor's queue pending approval of RFC2911bis
 - Second IETF Last Call of RFC2911bis ends on 09/06/16 to address "downrefs"
 - Schedule - IPP/1.1 RFCs published in Q4 2016
 - IPP 3D Printing Extensions (Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20160714-rev.pdf>
 - <http://www.pwg.org/archives/ipp/2016/018857.html>
 - Prototype draft
 - Initial prototyping feedback from Mike on 07/08/16
 - Schedule - PWG Last Call in Q3/Q4 2016
 - IPP Finishings 2.1 (Smith)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings21-20160728-rev.pdf>
 - Prototype draft
 - Reviewed by IPP WG on 07/25/16
 - For review at August PWG F2F
 - Schedule - PWG Call for Objections in Q3/Q4 2016

- Action: Smith to post stable draft of Finishings 2.1 for WG LC
- IPP Implementor's Guide v2 (Smith/Mike)
 - <http://www.pwg.org/archives/ipp/2016/018829.html>
 - <http://www.pwg.org/archives/ipp/2016/018830.html>
 - Discussed by IPP WG on 06/13/16
 - Schedule - Errata for IPP Implementor's Guide v2
- IPP Everywhere Self-Cert / Tools / Issues (Smith/Mike)
 - <http://ftp.pwg.org/pub/pwg/candidates/cs-ippeveselfcert10-20160219-5100.20.pdf>
 - <http://www.pwg.org/archives/ipp/2016/018828.html>
 - Discussed by IPP WG on 05/23/16 and 07/25/16
 - Schedule - Errata for IPP Everywhere Self-Cert / Tools
- 4. PWG 5100.19 Issue #44 printer-resolution vs document format specific resolution (Smith)
 - <http://www.pwg.org/archives/ipp/2016/018879.html>
 - Resolved at IPP WG on 07/25/16
 - Schedule - review at August PWG F2F
- 5. Wi-Fi Alliance Device Provisioning Protocol (Smith/Ira)
 - <http://www.pwg.org/archives/ipp/2016/018882.html>
 - https://www.wi-fi.org/downloads-registered-guest/Wi-Fi_DPP_Tech_Spec_v0_0_23.pdf
 - <http://www.wi-fi.org/who-we-are/current-work-areas>
 - "simple, secure, and consistent method for on- and off-boarding any type of device on a Wi-Fi network"
 - Summary from Smith at August F2F?
 - Schedule - TBD comments deadline
- 6. Canon withdraws "job-account-password" proposal
 - <http://www.pwg.org/archives/ipp/2016/018883.html>
 - May be resubmitted in the future
 - Schedule - TBD resubmission
- 7. Review of IPP WG slides for August F2F
 - <http://ftp.pwg.org/pub/pwg/ipp/slides/ipp-wg-agenda-august-16d1.pdf>
 - Slide 2: Add issues to first topic, break at 3:15
 - Slide 5: Update RFC2911bis status, Finishings 2.1 WG Last Call
 - Slide 8: Update status
 - Add issues slide after IPP/1.1 status slide
 - Slide 11: "Hewlett-Packard", mention that this is used in other places, also for applications, organizations, etc.
 - Slide 12: Add reference to known issues and issue tracker
 - Slide 14: Update
 - Add break slide after slide 14
 - Slide 19: Copy changes from slide 2
 - Slide 20: Update document link and schedule
 - Slide 22: Update IETF schedule, PWG Call for Objections for Finishings 2.1, Add 1.0 Tools Update, system service interims until Q4, PWG LC in Q1 2017, Add Transform service
 - Slide 23: Q4 2016 for 3D, fix Finishings 2.1, Q1 2017 for Transform, errata

in 2017

- Slide 24: Swap next meeting days
- 8. Review of IPP System Service (Ira/Mike)
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20160810-rev.pdf>
 - Add material on "printer-id (integer(1:65535))" Printer Status attribute for space-constrained discovery protocols, etc. (Printer object identifier like job-id, notify-subscription-id, etc.)
 - Section 6.1:
 - Talk about aging out canceled resources
 - Must keep for a specific minimum amount of time or number of resources in order to allow clients to check status after cancel (does Get-Resources have a "which-resources" operation attribute?)
 - Cancel-Subscription and Get-Subscriptions do not have a way to see canceled subscriptions, so Cancel-Subscription acts effectively as a delete operation (no subscription-state/-reasons)
 - Move resource-id before requesting-user-xxx
 - Add authorized user text, add list of expected status codes (successful-ok, etc.)
 - Section 6.2.2:
 - Add "printer-id (integer(1:65535))"
 - Return printer-xri-supported instead of three sisters
 - Drop printer-uri
 - Section 6.x: Add authorized user and status code text to all operation descriptions
 - Section 6.3:
 - Line 985: Fix spelling of Install-Resource
 - Need a discussion of states
 - Install-Resource: treat like Release-Job? where resource might be used immediately or after the next boot?
 - Auto-cancel of resources (new firmware replaces old, when to cancel old firmware)
 - 'resource-incoming' state reason, etc.
 - Q: Which subunit to install firmware resources to?
 - A: Say that the firmware file/manifest identifies the subunit, responsibility of the printer/system
 - Line 992: Fix spelling of "notify-printer-uri"
 - Section 6.4:
 - Only 'canceled' state cannot be subscribed to.
 - Semantically analogous to Create-Job-Subscriptions, all-or-nothing behavior (if any resource is in terminating state, no subscriptions are created)
 - Section 5.x: Fix note for Create-Resource-Subscriptions (point to Create-Job-Subscriptions)
 - Section 6.4.1: Move resource-id after system-uri
 - Global: Make sure all requests have target operation attributes grouped

- together
- Section 6.9:
 - Add "printer-ids (1setOf integer(1:65535))" operation attribute
- Get-Printer-Attributes:
 - Add optional printer-id (integer(1:65535)) operation attribute to identify a printer (otherwise return the default printer object)
- Stopped at section 7.

Next Steps / Open Actions

- Next IPP conference call August 15, 2016 at 3pm ET
- IPP face-to-face meetings August 23, 2016 at 10:30am PT and August 24, 2016 at 11:15am PT
- Action: Smith to post stable draft of Finishings 2.1 for WG LC (DONE)
- Action: Mike to publish an updated prototype IPP 3D draft before the F2F (PENDING)
- Action: Mike to file an issue against PWG 5102.4 to talk about relationship between pwg-raster-document-resolution-supported and printer-resolution-supported (PENDING)
- Action: Mike to move -actual attributes to the Job Status group, update issue #42 accordingly (PENDING)
- Action: Mike to send updated IANA IPP registrations to Ira (PENDING - need to move -actual attributes to the Job Status group)