

Internet Printing Protocol Workgroup Meeting Minutes

April 4, 2016

Meeting was called to order at approximately 4:00pm ET on April 4, 2016.

Attendees

Smith Kennedy (HP)
Emmet Lalish (3MF/Microsoft)
Daniel Manchala (Xerox)
Ira McDonald (High North)
Mike Sweet (Apple)
Paul Tykodi (TCS)
William Wagner (TIC)
Rick Yardumian (Canon)

Agenda Items

1. IP Policy and Minute Taker
 - IP policy accepted, Mike taking minutes
2. Review previous minutes:
 - <http://ftp.pwg.org/pub/pwg/ipp/minutes/ippv2-concall-minutes-20160307.pdf>
 - Approved as posted
3. Review of IPP 3D Printing Extensions
 - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp3d10-20160303-rev.pdf>
 - Resume at section 4.4
 - Section 4.6:
 - Q: Will printers do this?
 - A: Current tools support this
 - Also existing 2D printers/services support multiple document jobs for grouping/processing of documents
 - Both client-side and printer-side merging can be done
 - 3MF: production extension being worked on to deal with large geometry
 - Useful for printing "standard" parts as part of a single job/deliverable
 - Fix section reference to "multiple-object-handling"
 - Q: Is 3MF a superset of common formats?
 - A: Try to be a superset of STL, OBJ, VRML
 - Some format-specific features (hyperlinks, scripting, etc.) may not be supported, but geometry and color/material information is preserved
 - Section 5:
 - Drop SLP

- Need 3D printer type flag? Or sub-type?
 - Use _ipp3d._tcp as the service type
- Section 5.1:
 - Update to use _ipp3d._tcp, define TXT record keys
- Section 5.2:
 - Just LDAP, define items based on RFC 7612
- Section 7.1.4:
 - MS Print Ticket has a 2-axis quality specifier: one axis for speed/quality (like print-quality), second axis for thickness
 - "strength" is a misnomer - more optimizing strength-to-weight
 - seems to conflict with 'weight-lighter'
 - Needs further discussion
- Stopped in section 7.1.4

Next Steps / Open Actions

- Next IPP conference calls April 11, 2016 at 3pm ET and April 18, 2016 at 4pm ET (3D)
- Action: Mike to post updated WD template with boilerplate "operating system providers" fixed (PENDING)
- Action: Mike to post registration template for trimming-type='draw-line' (DONE)
- Action: Mike to fix *-k-octets in IANA IPP registry - should be Status attributes (PENDING - do this with the Job Password Repertoire registrations)