

# IPP Working Group Session

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October 4, 2011

Cupertino, CA

PWG F2F Meeting

# IPP WG Meeting Agenda



Tuesday, October 4

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|-------------|--|
| 1:00 - 1:10 | Introductions, Minute Taker, Agenda Review   |
| 1:10 - 1:20 | Current IPP WG status                        |
| 1:20 - 2:00 | Interoperability Testing Demo w/CUPS ipptool |
| 2:00 - 2:30 | MFD Alerts                                   |
| 2:45 - 3:00 | Break  |
| 3:00 - 3:45 | LDAP Schema for Printer Services             |
| 3:45 - 4:45 | IPP Everywhere 1.0                           |
| 4:45 - 5:00 | Next Steps                                   |

# IPP WG Officers

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- IPP WG Co-Chairs:
  - Paul Tykodi (TCS)
  - Ira McDonald (High North)
- IPP WG Secretary:
  - Michael Sweet (Apple)
- IPP WG Document Editors:
  - Ira McDonald (High North) – IPP Version 2.0, IPP Everywhere 1.0, IPP JPS3, IPP Scan, IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, PWG Character Repertoire Supported Registration
  - Michael Sweet (Apple) – IPP Version 2.0, IPP Everywhere 1.0, IPP JPS3, PWG Media Standardized Names, PWG Raster, IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, IPP FaxOut Service

- Several IPP Everywhere specs in development:
  - IPP Everywhere 1.0 (EVEPRT)
  - IPP: Job and Printer Extensions - Set 3 (JPS3)
  - IPP over HTTPS Transport Binding and “ipps” URI Scheme
  - LDAP Schema for Printer Services
  - PWG Media Standardized Names 2.0 (MSN2)
  - PWG Raster
  - IPP Scan Service
  - IPP FaxOut Service
- Up-to-date pending IANA registrations online:
  - <http://www.pwg.org/ipp/ipp-registrations.xml> (+ .txt)
  - Will maintain this in parallel for new specifications
  - Also have some MIB registrations pending
- Need minor charter update to include MSN2

# IPP WG Document Status

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- IPP: Job and Printer Extensions - Set 3 (JPS3)
  - [ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext3\\_v10-201109???.pdf](ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippjobprinterext3_v10-201109???.pdf)
  - Update posted, will review in concalls
- IPP over HTTPS Transport Binding and "ipps" URI Scheme
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ipps-uri-scheme-03-20110826.txt>
  - Ready for submission to IETF AD
- LDAP Schema for Printer Services
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-services-00-20109???.txt>
  - Preliminary draft just posted, reviewing later today

# IPP WG Document Status

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- PWG Raster
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippraster10-201109??.pdf>
  - Prototype draft posted, will review in concalls
- PWG Media Standardized Names 2.0
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-pwgmsn20-20110802.pdf>
  - Update in progress
- IPP Everywhere 1.0
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-201109??.pdf>
  - Reviewing update later today
- IPP Scan Service
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan-20110404.pdf>
  - Preliminary draft posted, awaiting WG review

# IPP WG Document Status

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- IPP System Control Service
  - TBD
- IPP FaxIn Service
  - TBD
- IPP FaxOut Service
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfaxout10-201109??.pdf>
  - Preliminary draft just posted based on approved SM FaxOut spec
- IPP Everywhere 2.0
  - TBD

# IPP Interoperability Event

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- Based on August 2011 F2F, the IPP/2.0 interoperability event will be virtual using the CUPS ipptool program and conformance test files
- Current release of ipptool covers:
  - All required operations and attributes for IPP/2.0
  - Partial coverage of operations and attributes for IPP/2.1
  - Basic testing for existence of IPP/2.2 operations and attributes
- Future update to include tests for undefined attribute and group tags, plus additions to IPP/2.1 and IPP/2.2 tests
- Test results to be sent to Mike Sweet ([msweet@apple.com](mailto:msweet@apple.com)) for presentation at December 2011 F2F



# Where to Get CUPS ipptool

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- <http://www.cups.org/software.php>
- Binaries available for Linux, Mac OS X, and Windows
- See the file “IPPTOOL.txt” for instructions on running the conformance tests
- Additional documentation in man-ipptool.html and man-ipptoolfile.html

# IPP Interoperability Demo

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w/CUPS ipptool

# MFD Alerts

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- Current draft at:
  - <ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmpmfdalerts10-20110902.pdf>
- Issues:
  - Add descriptions for the alert keywords? This is especially important for the security keywords, and all existing IPP-defined printer-state-reasons keywords have descriptions.
  - Do the security keywords belong here or in an IDS spec?
  - How do we document whether a keyword is a persistent condition (in printer-state-reasons) or a sporadic event (only expected in printer-alert), or do we care? (basically advice to client implementations on where to look)

# LDAP Schema for Printer Services

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- Preliminary draft at:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/draft-mcdonald-ldap-printer-services-00-201109??.txt>
- For submission to IETF in the IPP Everywhere 2.0 timeframe?

# IPP Everywhere 1.0

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- Current draft at:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeve10-201109??-rev.pdf>
- Abstract:
  - This standard defines a superset of IPP/2.0 to support network printing without vendor-specific driver software, including the transport (IPP/2.0), various discovery and directory service protocols, and standard document formats.

# IPP WG Next Steps

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- IPP 2.0/2.1/2.2 Interoperability Testing
  - Virtual interoperability event through December 2011 F2F
- IPP Everywhere 1.0
  - Finish prototype draft specifications in Q4 2011/Q1 2012
  - Interoperability event for IPP Everywhere 1.0 in Q2 2012
- IPP Everywhere 2.0
  - Interim working drafts of IPP Scan Service and IPP FaxOut Service in Q4 2011/Q1 2012

# IPP WG Info / Participation

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- We welcome participation from all interested parties
- IPP Working Group web page
  - <http://www.pwg.org/ipp/index.html>
- IPP Working Group wiki
  - <http://pwg-wiki.wikispaces.com/IPP>
- Subscribe to the IPP mailing list
  - <http://www.pwg.org/mailhelp.html>
- IPP WG holds bi-weekly phone conferences announced on the IPP mailing list
  - Next conference call is October 17, 2011 at 1pm (EST)