



The Printer Working Group

IPP Workgroup Session - Day 1

October 22, 2013

PWG F2F Meeting

Cupertino, CA



IPP WG Meeting Agenda

October 22, 2013

When	What
10:30 - 10:45	Status
10:45 - 11:15	Mopria Alliance
11:15 - 12:00	IPP Self-Certification

October 23, 2013

When	What
1:30 - 3:00	IPP Implementor's Guide v2.0
3:00 - 3:15	Break
3:15 - 4:45	IPP System Control Service
4:45 - 5:00	Next Steps



IPP WG Officers

- **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 Scan Service, IPP Shared Infrastructure Extensions (IPPSIX), IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services
 - Michael Sweet (Apple) – IPP Shared Infrastructure Extensions (IPPSIX), IPP over HTTPS Transport Binding and “ipps” URI Scheme, LDAP Schema for Printer Services, IPP FaxOut Service, IPP Transaction-Based Printing Extensions, IPP Finishings 2.0
 - Smith Kennedy (HP) - IPP Implementors Guide 2.0



- IETF RFCs in development:
 - IETF IPP over HTTPS Transport Binding and "ipps" URI Scheme
 - IETF Area Directory Review
 - IETF LDAP Schema for Printer Services (updates RFC 3712)
 - IETF Area Directory Review
- PWG Specifications in development:
 - IPP Everywhere Self-Certification Manual 1.0
 - Interim Draft
 - IPP FaxOut Service
 - PWG Formal Vote
 - IPP Finishings 2.0
 - Interim Draft
 - IPP Implementors Guide 2.0
 - Interim Draft
 - IPP Scan Service
 - Initial Draft
 - IPP Shared Infrastructure Extensions (IPPSIX)
 - Interim Draft
 - IPP Transaction-Based Printing Extensions
 - PWG Formal Vote



- **Candidate Standards:**
 - PWG 5100.14-2013 - IPP Everywhere
 - PWG 5100.13-2012 - IPP: Job and Printer Extensions - Set 3 (JPS3)
 - PWG 5101.1-2013 - PWG Media Standardized Names 2.0 (MSN2)
 - PWG 5102.4-2012 - PWG Raster Format
- **Up-to-date pending IANA registrations online:**
 - <http://www.pwg.org/ipp/ipp-registrations.xml>
 - Continue to maintain this in parallel for new specifications
 - PWG version includes draft specifications that have reached prototype status



IPP Everywhere Interoperability

- July 2013 ipptool release includes an IPP Everywhere test suite
 - <http://www.cups.org/software.php>
 - Resolves all known issues, adds new Bonjour tool “ippfind”
- Sample PWG Raster data available on PWG FTP server:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/examples/>
- To run the test suite:
 - Download and extract the PWG Raster sample files
 - Run “`ipptool -XV 2.0 printer-uri ipp-everywhere.test >results.plist`”
- Send reports to:
 - Michael Sweet (msweet@apple.com)
- So far we have received NO reports
 - Proposal: Abandon this interoperability event and focus on IPP Everywhere Self-Certification



Mopria Alliance

- New Mobile Printing organization
- Some overlap with IPP Everywhere, but with different goals:
 - IPP Everywhere intends to limit the number of file formats a Client must support, while Mopria plans to add file formats
 - IPP Everywhere works for all kinds of Clients, while Mopria is focused on Mobile
 - IPP Everywhere is an open standard managed by an open standards organization while Mopria is a closed standard managed by an closed industry consortium
 - IPP Everywhere relies on existing Client software while Mopria is providing a Client SDK
- How does this impact our efforts for IPP Everywhere Self-Certification?
- How do we market IPP Everywhere Self-Certification to vendors that think they need to choose between them?

IPP Everywhere Self-Certification Manual 1.0



- Current (interim) draft of IPP Everywhere Self-Certification Manual 1.0:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20130731-rev.pdf>
- Standards track document with tools:
 - Minor releases (1.x, 2.x, etc.) will be errata with PWG Call For Objection process
 - Major releases (1.0, 2.0, etc.) will go through PWG Last Call and Formal Approval process
 - Tools and document released together on pwg.org
- Known issues:
 - This is just a skeleton document and needs significant amounts of content for the test procedures
- Proposed schedule:
 - Prototype draft in Q4 2013/Q1 2014

IPP Everywhere Self-Certification Manual 1.0 (con't)



- What we have today:
 - Client software coming in next round of (Linux) OS updates
 - IPP test tool (CUPS ipptool)
 - Bonjour test tool (CUPS ippfind)
 - Test files for ipptool
 - Sample PDF, JPEG, and PWG Raster files for testing
 - Interim draft of self-certification manual and license agreement
 - IPP Everywhere logo:



IPP Everywhere Self-Certification Manual 1.0 (con't)



- What we need:
 - WS-Discovery test tool
 - wsdddebug_client.exe tool is available from MS
 - Volunteer to write test script/program?
 - More IPP test files to test media-ready, printer-state-reasons, printer-supply, etc.
 - Volunteers?
 - Registration page(s) on pwg.org
 - Daniel Dressler has volunteered to do this work along with the PWG site update
 - Complete the Self-Certification Manual
 - Define test procedures and requirements in detail
 - Define exception process for tests that might fail
 - Register new logos as trademarks through ISTO
 - Guinea pigs to test the process and tools



The Printer Working Group

End of Day 1



The Printer Working Group

IPP Workgroup Session - Day 2

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1:30 - 3:00	IPP Implementor's Guide v2.0
3:00 - 3:15	Break
3:15 - 4:45	IPP System Control Service
4:45 - 5:00	Next Steps



- Current (interim) draft at:
 - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20131002-rev.pdf>
- Proposed schedule:
 - Prototype draft Q4 2013 / Q1 2014



The Printer Working Group

Scheduled Break



IPP System Control Service

- Done in two steps:
 - 1.0 is mostly read-only, list services, pause/resume services, etc.
 - 2.0 will address service creation, AAA, ACLs, power management, etc.
- Get feedback on interest in the 2.0 phase
 - Maybe 2.0 would address registration/association?
- Insert Outline of v1.0 here



IPP WG Next Steps

- IPP FaxOut Service
 - Complete PWG Formal Vote
- IPP Transaction-Based Printing Extensions
 - Complete PWG Formal Vote
- IPP Shared Infrastructure Extensions (IPPSIX)
 - Get prototype experience
 - Stable draft
 - WG Last Call



IPP WG Next Steps

- Continue working on IPP Everywhere Self-Certification Manual 1.0
 - Prototype working draft in Q4 2013/Q1 2014
- Continue working on IPP Implementors Guide 2.0
 - Prototype working draft in Q4 2013/Q1 2014
- Continue work on IPP Finishings 2.0
 - Prototype working draft in Q4 2013/Q1 2014
- Start work on IPP System Control Service 1.0 (Mike/Ira)
 - Initial working draft in Q4 2013/Q1 2014



IPP WG Info / Participation

- We welcome participation from all interested parties
- IPP Working Group web page
 - <http://www.pwg.org/ipp/index.html>
- 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 calls November 4 and November 25, 2013 at 3pm ET (second meeting delayed due to holiday)