



# The Printer Working Group

IPP Workgroup Session #1

May 13, 2014

PWG F2F Meeting

Cupertino, CA

# IPP WG Meeting Agenda



## May 13, 2014 (Session #1)

When	What
2:15 - 2:30	Status
2:30 - 3:45	IPP Shared Infrastructure Extensions (IPPSIX)
3:45 - 5:00	IPP Implementor's Guide 2.0

## May 15, 2014 (Session #2)

When	What
9:00 - 9:45	IPP Self-Certification
9:45 - 10:30	IPP Scan Service
10:30 - 10:45	Break
10:45 - 11:45	IPP Finishings 2.0 (FIN2)
11:45 - 12:00	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 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 Finishings 2.0
  - Smith Kennedy (HP) - IPP Implementors Guide 2.0
  - Peter Zehler (Xerox) - IPP Scan Service



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



- Candidate Standards:
  - PWG 5100.14-2013: IPP Everywhere
  - PWG 5100.15-2013: IPP FaxOut Service (pending errata)
  - PWG 5100.16-2013: IPP Transaction-Based Printing Extensions
- 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



- Mopria Alliance request for two new media sizes:
  - 89x119mm (om\_photo-l\_89x119mm)
    - Almost L size
    - Should be "oe\_photo-l\_3.5x5in" or "om\_photo\_89x119mm"?
  - 54x86mm (om\_card\_54x86mm)
    - Should be "iso-id-1\_53.98x85.6mm"?
- HP request concerning "printer-output-tray" attribute and additional Printer MIB prtOutput properties
  - model, version, serial number, etc.



# IPP FaxOut Service (errata)

- **Stable draft at:**
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfaxout10-20140509.pdf>
- **Changes:**
  - Added `f` (flash) character for “pre-dial-string” and “post-dial-string” member attributes
  - Other typographical/editorial changes as noted in change log
- **PWG Call for Objections until June 6, 2014**

# IPP Shared Infrastructure Extensions (IPPSIX)



- Current (prototype) draft at:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsix10-20140226.pdf>
- Proposed schedule:
  - Prototype experience and stable draft Q2 2014
  - WG and PWG Last Call Q2/Q3 2014





# IPP Implementor's Guide 2.0

- Current (interim) draft at:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20140410-rev.pdf>
- Proposed schedule:
  - Prototype draft Q2 2014
  - Stable draft and WG Last Call Q3 2014
  - PWG Last Call Q3/Q4 2014



# The Printer Working Group

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# IPP Everywhere Printer Self-Certification



- Current (prototype) draft of IPP Everywhere Self-Certification Manual 1.0:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20140509-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](http://pwg.org)
- Proposed schedule:
  - Prototype experience and stable draft Q4 2014
  - WG Last Call Q4 2014
  - PWG Last Call Q1 2015

# IPP Everywhere Printer Self-Certification



- What we have today:
  - Client software in current Linux OS distributions
  - IPP test tool (CUPS ipptool)
  - Bonjour test tool (CUPS ippfind)
  - Test files for ipptool
  - Sample PDF, JPEG, and PWG Raster files for testing
  - Prototype draft of self-certification manual and license agreement
  - IPP Everywhere logo (trademarks filed but not yet issued):



# IPP Everywhere Printer Self-Certification



- Next steps:
  - Complete the Self-Certification Manual 1.0
    - Finalize test procedures and requirements in detail
    - Define exception process for tests that might fail
    - Formally define self-certification of product families
  - Complete the test tool packages (currently just OS X)
  - Complete the web pages on [pwg.org](http://pwg.org)
  - Get guinea pigs to test the process and tools:





# The Printer Working Group

Scheduled Break

# IPP Scan Service



- Current (stable) draft at:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippscan10-20140509-rev.pdf>
- Proposed schedule:
  - WG Last Call Q2/Q3 2014
  - PWG Last Call Q3 2014





- Current (prototype) draft at:
  - <ftp://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippfinishings20-20140509-rev.pdf>
- Proposed schedule:
  - Prototype experience and stable draft Q2/Q3 2014
  - WG Last Call Q2/Q3 2014
  - PWG Last Call Q3 2014

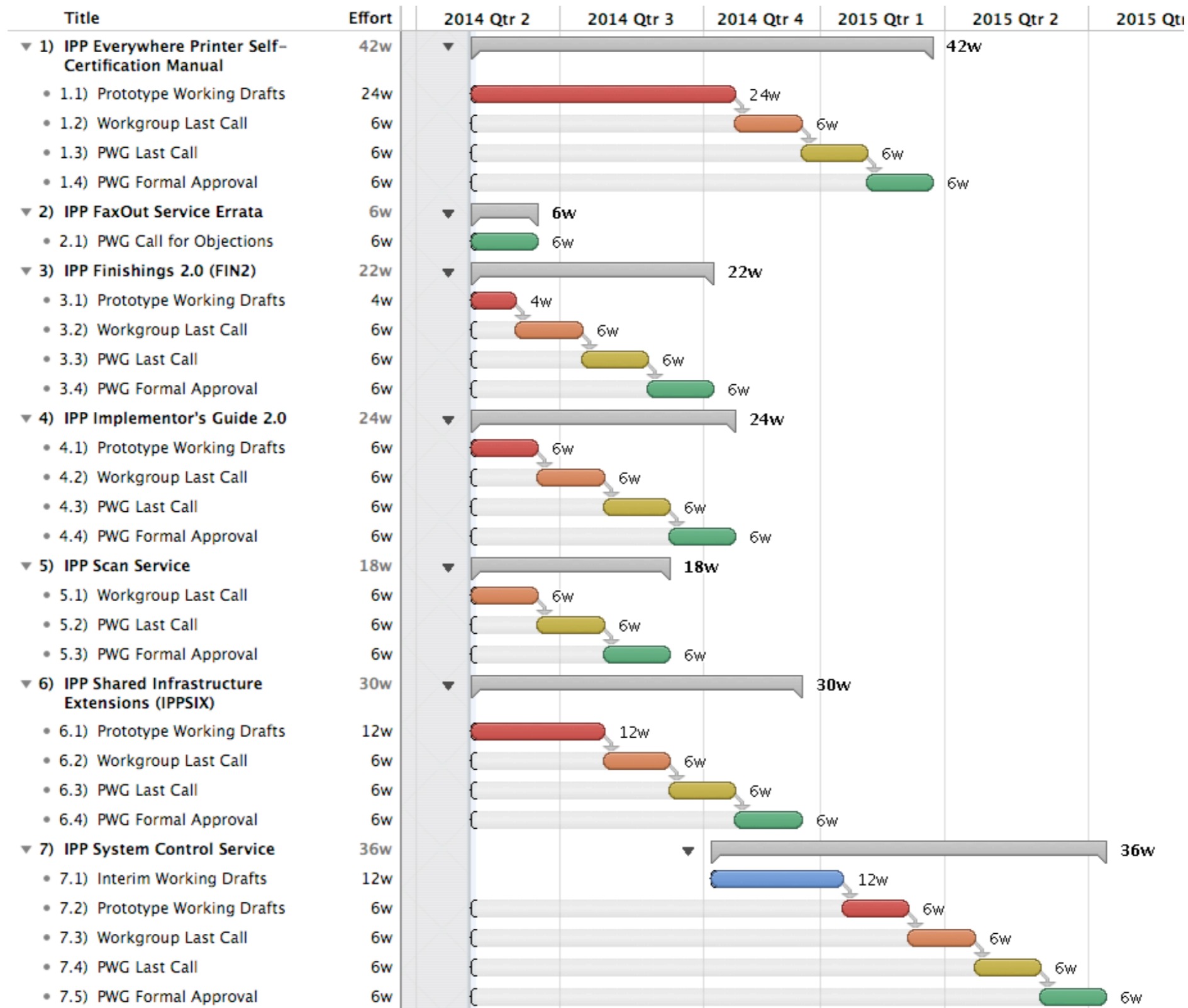


# The Printer Working Group

## Next Steps



# IPP WG Next Steps





# IPP WG Next Steps

- **IPP Everywhere Printer Self-Certification Manual 1.0**
  - Prototype experience (testing) and stable draft in Q3/Q4 2014
  - WG Last Call in Q4 2014
- **IPP FaxOut Service Errata**
  - PWG Call for Objections in Q2 2014
- **IPP Finishings 2.0 (FIN2)**
  - Prototype experience and stable draft in Q2/Q3 2014
  - WG and PWG Last Call in Q2/Q3 2014
- **IPP Implementor's Guide 2.0 (IIG2)**
  - Prototype experience and stable draft in Q2/Q3 2014
  - WG and PWG Last Call in Q2/Q3 2014
- **IPP Scan Service**
  - WG and PWG Last Call in Q2/Q3 2014



# IPP WG Next Steps

- IPP Shared Infrastructure Extensions (IPPSIX)
  - Prototype experience and stable draft in Q3 2014
  - WG Last Call in Q3 2014
  - PWG Last Call in Q3/Q4 2014
- IPP System Control Service 1.0 (Mike/Ira)
  - Initial working draft in Q4 2014
- Investigate advancing IPP/2.0 and/or IPP Everywhere to full IEEE-ISTO standards
  - ... and IPP/1.1 to full IETF standard based on IPP/2.0 interoperability results
  - Maybe start this effort Q1/Q2 2015?



# 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
  - <https://www.pwg.org/mailman/listinfo/ipp>
- IPP WG holds bi-weekly phone conferences announced on the IPP mailing list
  - Next conference calls June 2, 2014 and June 16, 2014 at 3pm ET