



# The Printer Working Group

IPP Workgroup Session

August 11, 2015

PWG F2F Meeting

Camas, WA (hosted by Sharp)



## August 11, 2015

When	What
1:30 - 2:00	IPP Workgroup Status
2:00 - 4:45	IPP System Service (SYSTEM)
4:45 - 5:00	Next Steps



- The Internet Printing Protocol (IPP) workgroup is chartered with the maintenance of IPP, the IETF IPP registry, and to support new clients, network architectures, and service bindings for MFDs and Imaging Systems
- In addition, we maintain the IETF Finisher MIB, Job MIB, and Printer MIB registries, and handle synchronization with changes in IPP



- **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 System Service (SYSTEM), IETF IPP/1.1, IEEE IPP/2.0
  - Michael Sweet (Apple) – IPP System Service (SYSTEM), IETF IPP/1.1, IEEE IPP/2.0
  - Smith Kennedy (HP) - IPP Implementor's Guide 2.0 (IG)

# Status (1/2)



- IETF RFCs in development:
  - IETF IPP/1.1: Encoding and Transport (obsoletes RFC 2910/3382)
    - Stable Draft, AD Sponsor
  - IETF IPP/1.1: Model and Semantics (obsoletes RFC 2911/3382)
    - Stable Draft, AD Sponsor
- PWG Specifications in development:
  - IPP 2.0, 2.1, and 2.2
    - Stable Draft
  - IPP Everywhere Printer Self-Certification Manual 1.0 (SELF CERT)
    - Prototype Draft
  - IPP Implementors Guide 2.0 (IG)
    - PWG Formal Vote
  - IPP System Service (SYSTEM)
    - Interim Draft

# Status (2/2)



- **Recent Candidate Standards:**
  - PWG 5100.18-2015: IPP Shared Infrastructure Extensions (INFRA)
  - PWG 5100.17-2014: IPP Scan Service (SCAN)
  - PWG 5100.1-2014: IPP Finishings 2.0 (FIN)
- **Recent IETF RFCs:**
  - RFC 7612: LDAP Schema for Printer Services
  - RFC 7472: IPP over HTTPS Transport Binding and "ipps" URI Scheme
- **Up-to-date pending IANA registrations online:**
  - <http://www.pwg.org/ipp/ipp-registrations.xml>
  - Continue to maintain this in parallel for new specifications

# IPP Everywhere Printer Self-Certification (SELFCERT)



- Current prototype draft and tools:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20150415.pdf>
  - <http://www.pwg.org/ipp/everywhere.html> (for tools)
- Received beta test feedback on web site and tools
  - Web site needs to notify submitter of status changes (submission accepted, when reviewers make their changes, etc.)
  - Still need to post cryptographically signed tools
- Also need to make some minor license agreement changes to address registered trademark status
- Next draft will have "stable" status
- Proposed schedule:
  - Publish stable draft Q3 2015
  - WG Last Call Q3 2015
  - PWG Last Call Q3/Q4 2015



# IPP Implementor's Guide 2.0 (IG)

- Current stable draft at:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippig20-20150623-rev.pdf>
- In PWG Formal Vote until August 21, 2015
  - <http://www.pwg.org/pipermail/pwg-announce/2015/003681.html>
  - Please vote!





- Developing two new RFCs to replace (obsolete) RFCs 2910, 2911, 3381 (deprecated job progress attributes), and 3382 (collection attribute syntax)
- Stable drafts:
  - <http://tools.ietf.org/html/draft-sweet-rfc2910bis>
  - <http://tools.ietf.org/html/draft-sweet-rfc2911bis>
  - *Drafts are being AD-sponsored by Barry Leiba, IETF ART Director, for publication as IETF Proposed Standard*
  - *RFCs will eventually be advanced to IETF Internet Standard through status change (IETF process)*
- Proposed schedule:
  - IETF Last Call - Q3 2015
  - IESG Approval - Q4 2015



- Updating PWG 5100.12-2011: IPP/2.0 Second Edition to full IEEE standard
- Stable draft at:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ipp20-20150730-rev.pdf>
- Proposed schedule:
  - Final review today
  - PWG Last Call - starting tomorrow
  - PWG Formal Vote - Q3/Q4 2015



# IPP System Service (SYSTEM)

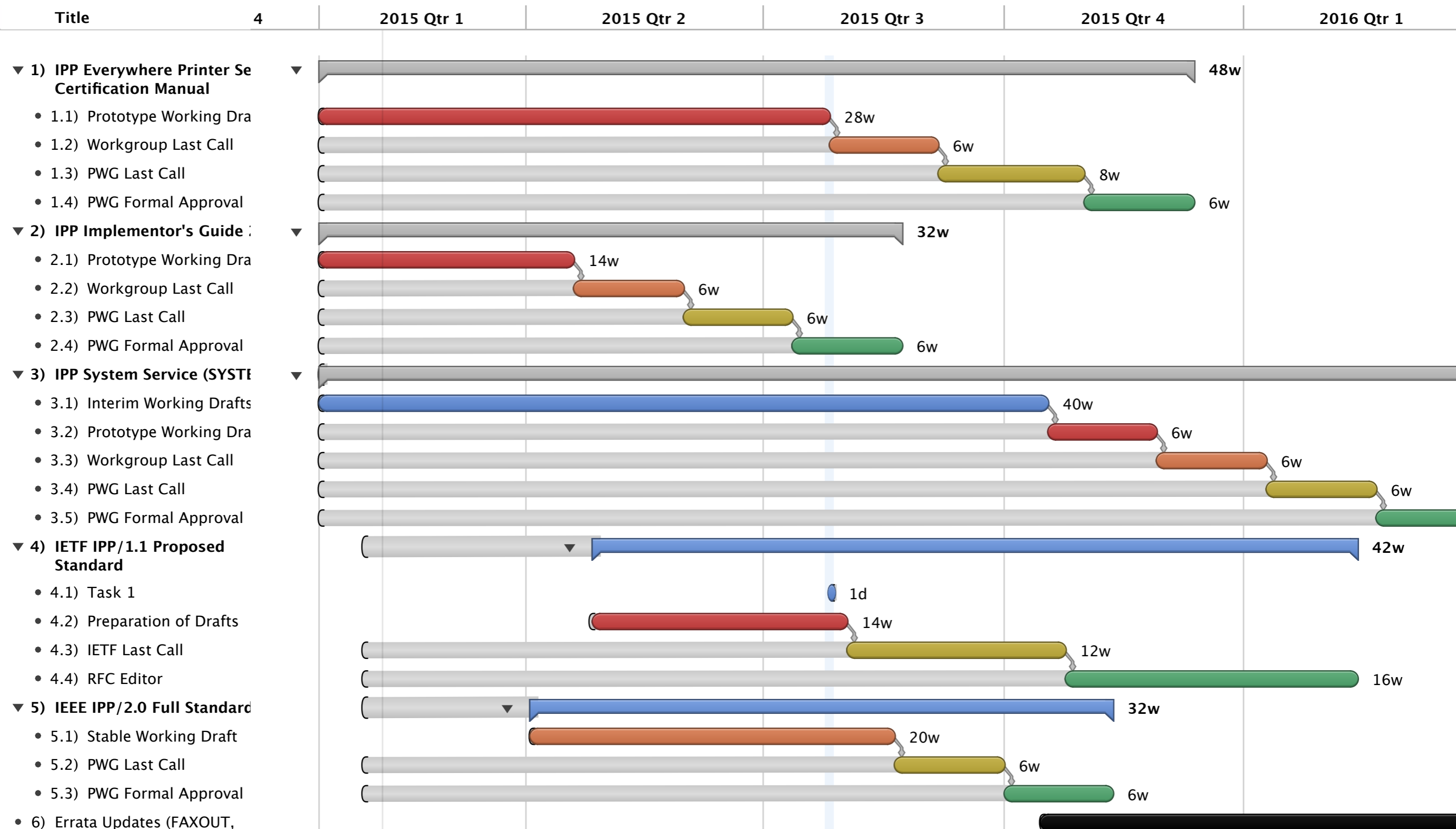
- Current interim draft at:
  - <http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20150810-rev.pdf>
- Proposed Schedule:
  - Prototype draft in Q3/Q4 2015



# The Printer Working Group

## Next Steps

# Next Steps





# Next Steps

- **IPP Everywhere Printer Self-Certification Manual 1.0**
  - Stable draft and WG Last Call in Q3 2015
  - PWG Last Call in Q3/Q4 2015 (before the next F2F)
- **IPP Implementor's Guide 2.0 (IG)**
  - Complete PWG Formal Vote
- **IPP System Service (Mike/Ira)**
  - Prototype working draft in Q4 2015
- **Advance IPP/1.1 to IETF Proposed Standard**
  - IETF Last Call in Q3/Q4 2015 (~15 year anniversary of IPP/1.1)
  - IETF process to advance to Internet Standard once published...
- **Advance IPP/2.0 to Full IEEE Standard**
  - PWG Last Call starting tomorrow
  - PWG Formal Vote in Q3/Q4 2015 (~15 year anniversary of IPP/1.1)



# More Information

- 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 August 31 and September 21, 2015 at 3pm ET
    - Skipping September 14, 2015 due to Labor Day
  - Held on same weeks of Imaging Device Security WG