The Printer Working Group

IPP Workgroup Session

November 4, 2015

PWG F2F Meeting

Somewhere in the Ether...

Agenda

November 4, 2015

When	What
9:00 - 9:30	IPP Workgroup Status
9:30 - 10:30	IETF IPP/1.1 Updates
10:30 - 10:45	Break
10:45 - 12:00	IPP Everywhere Printer Self-Certification
12:00 - 1:00	Lunch
1:00 - 3:45	IPP System Service
3:45 - 4:00	Next Steps

Charter

- 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

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 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

- 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 2911/3381/3382)
    - Stable Draft, AD Sponsor

- PWG Specifications in development:
  - IPP Everywhere Printer Self-Certification Manual 1.0 (SELFCERT)
    - Stable, WG Last Call Complete
  - IPP System Service (SYSTEM)   - Interim Draft

Status (2/2)

- Recent Full (IEEE) Standard:
  - PWG 5100.12-2015: IPP 2.0, 2.1, and 2.2
- Recent Candidate Standards:
  - PWG 5100.19-2015: IPP Implementor's Guide v2.0 (IG)
  - PWG 5100.18-2015: IPP Shared Infrastructure Extensions (INFRA)
- 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
  - (New) Github repository:
    - https://github.com/istopwg/ippregistry

IETF IPP/1.1 Updates

- 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 - Q4 2015/Q1 2016
    - IESG Approval - Q1/Q2 2016

IPP Everywhere Printer Self-Certification (SELFCERT)

- Current stable draft, tools, and web site content:
  - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippeveselfcert10-20151009.pdf
  - http://www.pwg.org/ipp/everywhere.html (for tools)
  - http://beta.pwg.org/ippeveselfcert (submission form)
  - http://beta.pwg.org/printers (printer list)
- (New) Github repository for tools:
  - https://github.com/istopwg/ippeveselfcert
- Program changes:
  - Due to ISTO legal feedback, self-certification program (and use of logo) is now limited to PWG members
  - No more reviewers - web site form validates self-certification results and publishes new printers immediately
- Proposed schedule:
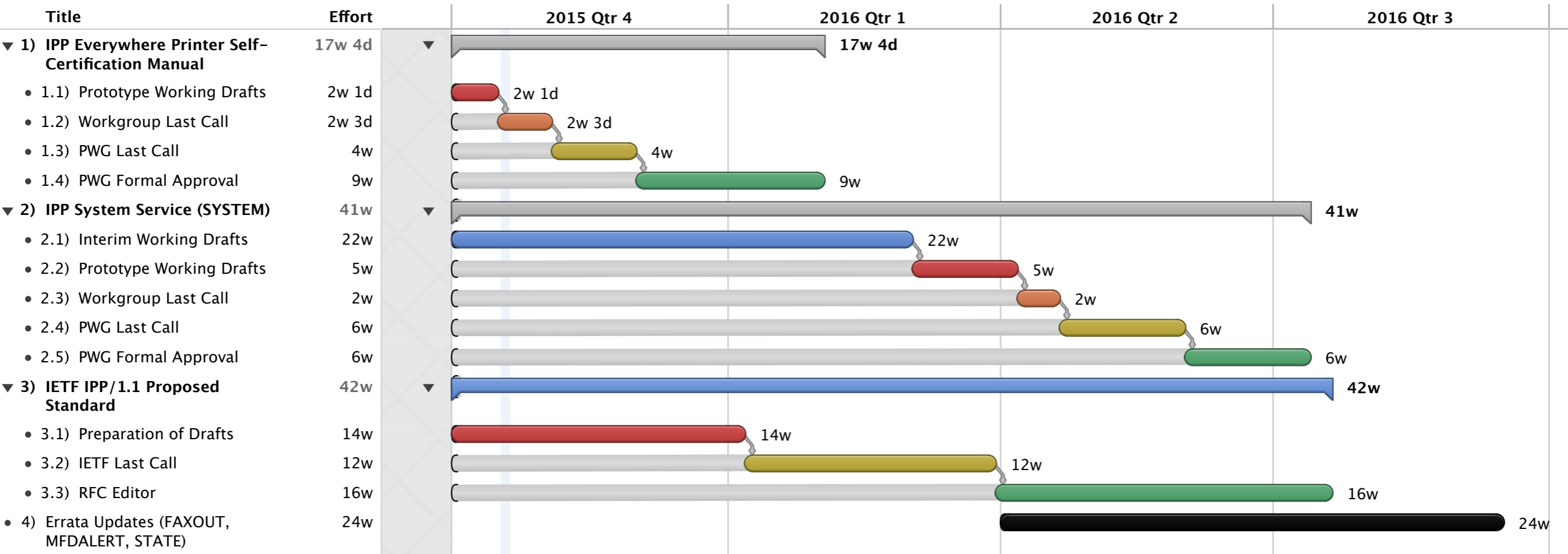 - PWG Last Call starting *today*

IPP System Service (SYSTEM)

- Current interim draft at:
  - http://ftp.pwg.org/pub/pwg/ipp/wd/wd-ippsystem10-20151018-rev.pdf
- Proposed Schedule:
  - Prototype draft in Q1 2016

The Printer Working Group

Next Steps

Next Steps

Title	Effort	2015 Qtr 4	2016 Qtr 1	2016 Qtr 2	2016 Qtr 3
▼ 1) IPP Everywhere Printer Self–Certification Manual	**17w 4d**	17w 4d			
• 1.1) Prototype Working Drafts	2w 1d	2w 1d			
• 1.2) Workgroup Last Call	2w 3d	2w 3d			
• 1.3) PWG Last Call	4w	4w			
• 1.4) PWG Formal Approval	9w	9w			
▼ 2) IPP System Service (SYSTEM)	**41w**				41w
• 2.1) Interim Working Drafts	22w	22w			
• 2.2) Prototype Working Drafts	5w		5w		
• 2.3) Workgroup Last Call	2w		2w		
• 2.4) PWG Last Call	6w			6w	
• 2.5) PWG Formal Approval	6w			6w	
▼ 3) IETF IPP/1.1 Proposed Standard	**42w**				42w
• 3.1) Preparation of Drafts	14w	14w			
• 3.2) IETF Last Call	12w		12w		
• 3.3) RFC Editor	16w			16w	
• 4) Errata Updates (FAXOUT, MFDALERT, STATE)	24w			24w	

Next Steps

- IPP Everywhere Printer Self-Certification Manual 1.0
  - PWG Last Call starting *today*
- IPP System Service (Mike/Ira)
  - Prototype working draft in Q1 2016
- Advance IPP/1.1 to IETF Proposed Standard
  - IETF Last Call in Q1 2016
  - IETF process to advance to Internet Standard once published…

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 November 16 and 30, 2015 at 3pm ET
  - Held on same weeks of Imaging Device Security WG