PWG IPPv2 Face-to-Face Meeting April 18, 2008

Attendees:

Attendee	Company
Ron Bergman	Ricoh
Shah Bhatti	Samsung
Nancy Chen	Oki Data
Dennis DeYoung	Xerox
Lee Farrell	Canon
Joe Murdock	Sharp Lab
Harry Lewis	InfoPrint Solutions, Ricoh
Glen Petrie	Epson
Erhan Soyer-Osman	Microsoft
Jerry Thrasher	Lexmark
Randy Turner	Konica Minolta
Hiro Ueda	MWA
David Whitehead	Lexmark
Craig Whittle	Sharp Lab
Dial-in Participants	
Ira McDonald	High North
Bill Wagner	TCI

Agenda:

- 1:30 – 1:45 Introduction – Select minute taker.

- 1:45 – 2:15 Review proposed v2.X Groups.

- 2:15 – 3:00 Review operations associated with each v2.X group.

- 3:00 – 3:15 Break

- 3:15 – 4:30 Which operations should be moved from optional to required?

Discussion:

❖ The IPPv2 Statement of Work needs to be modified to conform to the PWG Process 2.0 specification.
  ➢ In the Definition Stage:
    ▪ ATTRIB-2 Stable draft document – Q3 2008.
    ▪ ATTRIB-3 Document ready for PWG approval – Q4 2008.
    ▪ NOTE: A PWG working draft MUST NOT be labeled 'Stable' until AFTER successful prototyping

- The prefix ATTRIB means Attribute - but we're only standardizing IPP operations (and perhaps a few important attributes). A more appropriate prefix would be OPER.
- In the Implementation Stage:
  - PROT-1 Prototype implementations. – Q2 2009
  - NOTE: A PWG working draft MUST NOT enter PWG Last Call and subsequent PWG Formal Approval until AFTER successful prototyping.
- ❖ Three separate specs should be produced; otherwise, it will be difficult to show evidence of prototyping of all three levels:
  - ➢ IPP/2.0 - Basic Workgroup Printer
  - ➢ IPP/2.1 - Enterprise Printer/Print Server
  - ➢ IPP/2.2 - Production Printer
- ❖ Ira and Jerry volunteered to be editors
- ❖ IPP 1.1 implementations that support the new media names can claim IPPv2 compliance
- ❖ IPPv2 conformance proposal my Michael Sweet reviewed.
  - ➢ 2.0 = workgroup printer, 2911 + 5100.1 + 5100.2 + 5101.1
  - ➢ 2.1 = workgroup print server, 2.0 + 3380 + 3381 + 3382 + 3995 + 3996 + 3998 + 5100.7
  - ➢ 2.2 = production print server, 2.1 + 5100.3 + 5100.5 + 5100.6 + 5100.8
- ❖ Finishing attributes ("finishings" extensions) are conditionally mandatory
  - ➢ IPPv2.2 moves to production printing environment
- ❖ Many printer vendors have already implemented portions of the IPPv2.x proposed specifications. How many vendors will advertise their support for newer versions of IPPv2.x?
- ❖ Apple, other Linux distributions, and Novell have requested this work (not present at meeting).
- ❖ Justification: It's not a big effort; therefore, the work will be pushed through quickly
  - ➢ Stakeholders like Apple and Novell should discuss / propose optional vs. required attributes.
- ❖ The optional vs. required operations (mostly optional) were presented by Ron (ftp://anonymous:user%40host.com@ftp.pwg.org/pub/pwg/ipp/ippv2-info/IPP-COMMANDS.pdf)
  - ➢ No new operations were introduced (just attributes will be added to IPPv2)
  - ➢ Desirable to get input from companies for "essential" vs. "useful" vs. "not necessary" operations (Ron sent out a spreadsheet for input)
- ❖ Linux Foundation (LSD) community has standardized on CUPS (v3.2 convenience functions) for their distributions. Future versions will add other IPP operations.
- ❖ Proposal: have Michael Sweet specify what is needed for IPPv2 operations. Vendors can then look into what is supported.
  - ➢ Difficult for many vendors like InfoPrint to look for all their IPP implementations for see what is supported
- ❖ An estimated 90 – 95% of the printing community is using LPR / PORT 9100.

❖ A document listing proposed operations by code and labeled as required / optional was presented (see ftp://anonymous:user%40host.com@ftp.pwg.org/pub/pwg/ipp/ippv2-info/IPP-OPERATIONS.pdf). Should this be used as a starting point for the standard?