



Printer Working Group Plenary Meeting

April 17, 2002 - Woburn, Massachusetts

1 Time and Place

Chairman Harry Lewis convened the PWG Plenary meeting at 9:07 EDT at the Oak Technologies Facility in Woburn, Massachusetts. The Plenary meeting was held in the middle of a full week of meetings, including:

- Monday - uPnP v2 discussion
- Tuesday - Print Services Interface
- Wednesday (Morning) Plenary
- Wednesday (Afternoon) XHTML-PRINT
- Thursday – IFX
- Friday - UPDF

The PWG wishes to express their thanks to Oak for hosting the meetings.

The Plenary meeting was adjourned at 11:10 EDT.

2 Meeting Attendees

Attendee	Company	Email Address
Bergman, Ron	Hitachi	rbergman@hitachi-hkis.com
Bigelow, Jim	Hewlett-Packard	jim.bigelow@hp.com
Bradshaw, Elliott	Oak	ElliottBradshaw@oaktech.com
Carney, Dennis	IBM	dcarney@us.ibm.com
Farrell, Lee	Canon	lfarrell@cis.canon.com
Grant, Melinda	Hewlett-Packard	Melinda_grant@hp.com
Ide, Kentaro	Epson	Ide.Kentaro@exc.epson.co.jp
Lewis, Harry	IBM	harryl@us.ibm.com
Nagasaka, Fumio	Epson	nagasaka.fumio@exc.epson.co.jp
Songer, Gail	Netreon	gsonger@peerless.com
Uchino, Atsushi	Epson	uchino@eitc.epson.com
Ueda, Shigeru	Canon	ueda.shigeru@canon.co.jp
Wagner, William	NetSilicon	wwagner@netsilicon.com
Whittle, Craig	Sharplabs	cwhittle@sharplabs.com
Wright, Don	Lexmark	don@lexmark.com
Yang, Yiruo	Epson	yyang@eitc.epson.com

3 Next Meetings

The next PWG plenary meeting is scheduled for the week of June 24 in Portland, Oregon. The exact place of meeting has not yet been determined.

Nor has the week's schedule of groups meetings been established. This Portland meeting is possibly last meeting for IPPFAX. UPDF may not request a meeting in Portland. The associated uPnP Imaging Group requested that they not get a Monday or Friday slot; Tuesday, 25 June, was allocated for the uPnP meeting. Harry Lewis has since proposed, in keeping with the intent of further evolving the PWG roll and encouraging common models and semantics among the PWG groups, that a full day plenary meeting be held at Portland.

The meeting after Portland is scheduled for the week of 26 August 2002. Although it was tentatively planned for Santa Fe, Novell has offered to host the meeting in Provo, Utah. The uPnP general meetings are planned for Munich, Germany. A sign-up sheet was passed to determine attendee's preference. The preference was for Santa Fe.

The last PWG meeting of the year is planned for the week of November 4 in New Orleans.

It was noted that the next IETF meeting is in Japan on July 14-19, 2002 ([54th IETF - Yokohama, Japan](#)). Fumio Nagasaka kindly offered Epson's assistance to those who might need help in making arrangements.

4 Membership and Financial Position

Harry indicated that Corel and Bitstream have not renewed membership in the PWG. Further, some members not paid this year's dues.

Current funds are \$26.5K. There is a \$6000 outstanding obligation to the ISTO for the year and an estimated cost of \$1500 per meeting for the three remaining meetings in 2002. This leaves an actual reserve of \$19000. The PWG did have some ideas on how to use these funds, including publicizing new activities and accomplishments and copyrighting the LOGO. No decision has yet been made.

5 Future Plans

Harry reviewed the Monday night session on possible future plans and avenues for PWG activity.

- PWG for collecting/establishing common industry semantics
- Streamlined representation of IPP model (Peter Zehler will streamline IPP model into a more abstract PWG Printing Model)
- PWG web links to pertinent industry activities (e.g., Linux Print API)
- Correlation among PWG projects
 - UPDF schema use in PSI

- Offramp capabilities resource object
 - Alignment with IPP
 - How dynamic can it be
 - Add resource object container to IPP
 - Capabilities Resource Object
 - JDF Job Ticket
- Possible new topic: Management by some means other than SNMP?
 - New management approach.
 - Described by XML service to service communication Different transport

6 Working Groups Status

6.1 UPDF

Norbert Shade, technical lead for the UPDF group, presented a UPDF status summary and distributed a list of what is done and what has been considered but not implemented in UPDF Level 1.

With recent additions additions, halftoning and raster description are covered. There are no more open issues identified.

The design allows flexibility of configuration. Connectors allow component files to be added to the base configuration file. The UPDF design allows the creation of composite features (e.g., high quality, draft), which may then be presented to the user. The mechanism is easy to extend in features and locales. Locale does not change functional description

The UPDF group solicits interested companies to provide a device description per company to verify the level 1 implementation.

Norbert considered that the group would need one or two more meetings, perhaps skipping the Portland meeting.

6.2 XHTML-Print

Don Wright indicated that there were some details to the specification that still need to be worked through. However, they do not change the core functionality. Last call is expected by end of June.

6.3 IPPFAX

Gail Songer reported that group is planning to wrap up. The IFX document <ftp://ftp.pwg.org/pub/pwg/QUALDOCS/ifx-spec-10.doc> is basically done. The Universal Image Format (UIF) <ftp://ftp.pwg.org/pub/pwg/QUALDOCS/uif-spec-10.doc> is complete, assuming that there are no problems related to the Adobe license question. The understanding is that IETF believes that there is no problem and is proceeding with TIFF-FX definition. . IPPFAX wants to add some items but wishes to operate under the IETF

license. This subject was discussed further and Harry Lewis, as PWG chairman, has submitted a request to Adobe to review the UIF specification and respond with any necessary licensing terms and conditions not included as a natural course in referencing RFC 2301.

6.4 PSI

Harry Lewis briefly outlined the PSI Web services approach to printing, including WSDL descriptions to accommodate multiple users. The standard final draft last call is projected to be at end of third quarter, 2002.

6.5 MIB

Ron Bergman summarized the current status of the outstanding MIB RFC's. All review comments are addressed and all questions are resolved. As of the last communications, the IESG will re-review the Finisher MIB in October and the Printer MIB in December. After that, drafts should go to RFC editor's queue. A six-month wait is expected once in the queue.

Media names spec is done, closed, and complete. The link is on PWG Main Web Site, [IEEE-ISTO PWG Standard 5101.1-2001](#).

6.6 IPP

There has been a spate of messages relative to mandatory notification method. Some confusion resulted from the PWG reflector spam filter preventing Ned Freed from distributing comments to the mail list. A new policy has been instituted whereby all rejected messages go to Carl-Uno for review.

Tom Hastings issued an email on 10 April listing the status of all outstanding IPP documents. It was suggested that three experimental documents should be reissued as informational to align with IPP1.1. The decision was not to do anything because this might just further confuse the situation.

Mandatory notification and other items are being handled on the mail list. The PWG will ask the IPP working group whether they would like a face-to-face meeting to assist in resolving any remaining issues.