Printer Working Group Plenary
San Antonio, TX – November 17, 2004

1. Meeting Attendees

Lee Farrell	Canon [CDA]
Yasumasa Toratani	Canon [CINC]
Kentaro Ide	Epson
Glen Petrie	Epson
Kazutaka Higo	Fuji Xerox
Osamu Mihara	Fuji Xerox
Ira McDonald*	High North
Mark Hamzy	IBM
Harry Lewis	IBM
Takeshi Nakamura	Kyocera
Stuart Rowley	Kyocera
Mike Fenelon	Microsoft
Bill Wagner	NETsilicon
Ron Bergman	Ricoh
Takaaki Higuchi	Sun
Peter Zehler*	Xerox

       * via telephone

2. Administrivia

Wednesday morning, Harry Lewis opened and led the PWG Plenary meeting and provided the planned agenda topics:

- Review October Minutes
- PWG WG Status
- FSG WG Status
- Brainstorm Feedback
- Financial Report
- 2005 Schedule
- Next Agenda

Harry explained that this month both the PWG and the Free Standards Group were meeting during the same week, and had coordinated to attend a "joint" Plenary session to exchange information.

3. Review October Meeting Minutes

The Minutes from the October meeting were accepted without objection.

4. PWG Project Status

Harry asked each of the Project Chairs (or appointed spokesperson) to provide a brief status of the individual PWG projects.

4.1 Semantic Model

The Semantic Model is being extended to include the Counter Model being developed for the WIMS activity. Now that the PWG Process document is completed, the process for extending the Semantic Model can be addressed.

4.2 Web Imaging Management Services (WIMS)

Bill Wagner reported that the original WIMS goal was to provide a protocol, an XML schema, and a "management structure" for a Multifunction device. However, there was little interest in creating an MFD MIB. Instead, the group has focused on a "Counter Specification", which is expected to reflect the interesting aspects of an imaging device useful for accounting and fleet management.

The XML schema is estimated at 80-90 percent complete, and the specification document is "close to completion".

Another remaining task is the revision of the Requirements Document.

Bill predicts that the group should be completed with their tasks within six months or so.

4.3 PWG Process

The PWG Process Document has been updated (although the IPR section was not modified.) It has now exited Formal Vote with a vote count of 11 yes, 0 no, and 0 abstain.

4.4 MIBs

Ron Bergman reported that the Universal Printer, Pre- and Postprocessing Interface (UP3i) organization has made several requests for modification of the FIN MIB. The review of their requests shows that several features are already supported, some will need to be added, and some requests are not understood.

The requests will also impact the Counters MIB that is being developed for the WIMS project.

4.5 Transform Interface (TFM)

Harry Lewis mentioned that a Transform Interface strawman proposal has been submitted by Ira McDonald. However, there does not yet appear to be sufficient "critical mass" participation to justify a Working Group.

Until more interest in TFM is identified, the topic will be put "on hold."

4.6 Micro Job Ticket (MJT)

Ira McDonald reported that there has been no obvious interest exhibited in the Micro Job Ticket activity. However, Paul Danbold (Apple) has said that he is still pursuing companies to determine possible interest in the topic. He hopes to report on his efforts some time by the end of the year.

4.7 Print Services Interface (PSI)

There was no new status reported on PSI. Final edits still need to occur to incorporate the Last Call comments, but no one has yet accepted this responsibility.

4.8 IPP Fax

There was no new status reported on IPPFax.

4.9 Universal Printer Description File (UPDF)

There was no new status reported on UPDF.

4.10 XHTML-Print

The XHTML-Print activity has transferred to the W3C. The W3C needs interoperable prototype implementations before the specification can proceed to full Recommendation status. Don Wright reported that the Mobile Imaging and Printing Consortium (MIPC) has agreed to adopt the XHTML-Print specification for their efforts.

5. <u>FSG WG Status</u>

Although there was no formal presentation, the following items were provided as the list of ongoing activity in the Free Standards Group:

- JTAPI (version .93 moving to 1.0 in January)
  * Job Ticket API
- PAPI (version .91 moving to 1.0 in 1Q 2005)
  * Spooler API
  * Uses IPP for job submission
- PCMAPI (High-level review)
  * Channel manager with status monitor, print I/O and capabilities
- PDAPI
  * Printer Driver (raster, vector or both)
- SMAPI
  * Status monitor (job and device)
  * May roll into PCM
- Architecture team
  * Uses cases, reference model

6. <u>PWG Brainstorm Feedback</u>

Harry provided a summary set of bullets of the previous evening's Brainstorm Session:

- Steering Committee to clarify goals, customers, message, and mode of evangelism
  * Consider PODi model
  * Review/segment business domains to pursue
    (example: how to get Service Providers' attention with WIMS)
    ➔ Consider writing targeted press article(s)
- Collaborate (not combine) FSG/PWG
- Update (modernize) PWG Web page—but keep it simple
- Plan for reduced face-to-face activity in 2005

7. <u>Financial Report</u>

There was no financial report to show the group. Ami Patel has left the ISTO, and evidently, no one at the ISTO has been assigned her responsibilities yet.

Harry reminded the attendees that next year's PWG membership fee will be raised to $1500. The membership fee will be due in Dec 2004. The ISTO-IEEE office should be sending out invoices soon. Currently, there are 30 companies that are members in good standing.

8. <u>2005 Meeting Schedule</u>

The following calendar dates were considered for PWG 2005 meetings:

Jan 10-14	**Portland, OR**
Feb 21-25	Tampa, FL
Apr 11-15	**Tokyo, Japan**
May 16-20	Toronto
Jul 11-15	**San Jose, CA**
Sep 12-16	Piscataway, NJ
Oct 24-28	**New Orleans, LA**
Dec 12-16	San Diego, CA

Harry noted that the above dates will be used by the IEEE P2600 Hardcopy Security group for their meetings next year. The PWG will tentatively plan only to attend the January, April, July, and October meetings—but will consider the other dates as opportunities for additional meetings if needed.

9. <u>January Agenda</u>

Harry proposed a [tentative] meeting agenda for the week of Jan 10-14:

- Monday
  - * WIMS
  - * Counters Semantic Model
- Tuesday
  - * Plenary
  - * Micro Job Ticket
  - * Transforms
  - * Semantic Model Process
- Wednesday
  - * TCG Hardcopy security
- Thursday/Friday
  - * IEEE P2600 Hardcopy Device & Systems Security

10. <u>Microsoft Proposal for Network Card Support</u>

Mike Fenelon proposed a new method for supporting new devices.

He explained that the current method used is not convenient for easy support of new network card types. It requires an Administrator to do too much manual work—until the next O/S revision is available.

For the future, Microsoft would like to evolve the TCPMon Network Card detection—to improve the support for new devices.

Q: Where can TCPMON.INI information be stored to enable support for new devices as they are released?

A: In the network card itself.

Microsoft proposes that hardware vendors should place the necessary information directly into the network card itself—and would like the PWG to endorse a standard to this effect.

Mike then asked the group "where can we go from here?", and suggested a few items:
- Complete the definition of the new MIB table and associated OIDs
  * Small group of interested parties working together
  * Email & teleconference
- Figure out where this new MIB extension belongs
  * Printer MIB?
  * Host Resource MIB?
  * MIB-2?

He pointed out that Microsoft's goal is to agree on a standard solution—*and* complete the effort in time for Longhorn Beta 1 (i.e., late Q1 2005).

Ira McDonald noted that some of the desired information is already available in the existing HR MIB. However, he acknowledges that additional information will be needed.

Everyone agreed that it is *not* desirable to process this MIB addition through the IETF. That organization just takes too long.

It was noted that a Printer Extensions MIB is already being planned (in the PWG space) for WIMS, and the group seemed to agree that this would be an appropriate method for implementing the proposal.

There was general consensus that the proposal was a reasonable one, and should be pursued.

Ron Bergman volunteered to work with Mike to generate a more detailed specification for achieving the proposal. He and Mike will plan to distribute the detailed [proposed] specification prior to the January meeting for review and acceptance.

ACTION: Mike Fenelon will issue an e-mail notice to the PWG list to further announce the activity.

PWG meeting adjourned.