# Printer Working Group
# Plenary Meeting Minutes

Lexington KY
06 October 2004

Submitted by Jerry Thrasher, Lexmark International Inc.

## 1  Time and Place

The PWG face-to-face meetings were held from October 04-06, 2004 in Lexington KY, hosted by Lexmark International Inc. The schedule for the week is listed below.

| Day | Working Group |
|---|---|
| Monday (Oct. 4) | Micro Job Ticket BOF, Transform Service BOF (9:30-5:00 EDT) |
|  |  |
| Tuesday (Oct. 5) | WIMS F2F Meeting (9:00-5:00 EDT) |
|  |  |
| Wednesday (Oct. 6) | PWG Plenary, Semantic Model Meeting (9:00-5:00 EDT) |
|  |  |
| Thursday/Friday (Oct. 7,8) | IEEE P2600 Working Group Meeting (Co-located) (9:00-5:00 EDT) |

## 2  Plenary Agenda & Schedule

PWG Chairman Harry Lewis started the plenary at 9:00 AM EDT. The agenda of the meeting was as follows:

- Review of August, Montreal Plenary Minutes (minutes accepted)
- Working Group Project Status and Reports
- ISTO Financial Report
  - o PWG Server transition status/schedule.
- November 2004 Daily Agenda
- 2005 Meeting Schedule Review
- Misc. Administrivia
  - o 2004 ISTO Board of Directors Nomination
  - o Axeda invitation to join PWG WIMS effort status.
  - o MS review of PWG's IP Policy Status

- PWG Issues/New Topics for PWG efforts
- PWG Process Document status/final review before formal vote.

The updated plenary presentation is located at the following url:

ftp://ftp.pwg.org/pub/pwg/general/Plenary/PWGPlenaryOctober2004.pdf

# 3 Meeting Attendees

| Attendee | Company | Email Address |
|---|---|---|
| **In Person** | | |
| Don Wright | Lexmark | don@lexmark.com |
| Harry Lewis | IBM Printing Systems | harryl@us.ibm.com |
| Jerry Thrasher | Lexmark International Inc. | thrasher@lexmark.com |
| Lee Farrell | CDA | lee.farrell@cda.canon.com |
| Peter Hansen | Intermate | ph@intermate.com |
| Rich Gray | Plus Technologies | rgray@plustechnologies.com |
| William A Wagner | NetSilicon | wwagner@digi.com |
| **Via Telecon** | | |
| Ira McDonald | High North | imcdonald@sharplabs.com |
| Peter Zehler | Xerox Corp | pzehler@crt.xerox.com |

# 4 Reports from Constituent Working Groups

## 4.1 Common Semantic Model – SM

The Semantic Model working group is continuing to work on the extension process document for extending the Semantic Model.  This extension process is dependent on the PWG Process 2.0 document being approved.

The main extension work currently underway is the addition of the semantics of the counters schema that are being developed in WIMS to address various aspects of accounting and billing with managed printers and MFPs.

Other work items that will be addressed later are the modeling of sub-units within a Printer /MFP (e.g., marker sub-unit, finisher sub-unit, etc….)

Requests from outside groups for Semantic Model extensions (UPnP, FSG) focus on standardizing of image-able area descriptions.

## 4.2 WIMS

The WIMS working group is continuing to work on the model and methods for an Internet capable fleet management protocol.

Decided to split the model and semantics definition of WIMS from the protocol encoding/binding section to allow for non-Web-Services protocols if appropriate.

Work continues on the development of a Counter schema and its associated specification (the most significant elements that might be usable for remote management and monitoring of an MFP) for use by WIMS as well as for extension of the PWG Semantic Model.

Work continues on the Imaging System Alert schema, Report schema, and Event schema. These are being reviewed and modified during weekly teleconferences. (See the WIMS directory on the PWG ftp site for these draft schemas and the mailing list archive for teleconference notices/minutes)

The major items that are remaining include a detailed WIMS Object specification for the different schemas (other than the Counter schema).

Prototyping:
IBM reported on their prototyping efforts. Their prototyping of the WIMS protocol currently include the "register for management" and "send report" operations using multiple plan IDs using SOAP/HTTP and included a proxy to selected Printer MIB variables accessed over SNMP.

There was a brief discussion on the possibility of defining non-SOAP-based HTTP protocols. (i.e., direct binding to HTTP) or other bindings such as email or direct TCP bindings. Further details of this discussion will be posted to the WIMS list.

## 4.3  Transform Services Interface (TFM)

There is a straw-man proposal for the TFP protocol that is semantically aligned with the PWG Semantic Model and the PSI nomenclature. There currently is not enough interest/momentum to create a working group.

It was decided to try one more time to drum up interest from the industry (other than IBM). If no other parties express interest in participating, continuing work on this effort will be postponed until a time when the interest level warrants further work.

## 4.4  Micro-Job Ticket (MJT)

There is a straw-man proposal for the Micro-Job-Ticket available in the "BOFs" directory on the PWG server.

Since the FSG working group is the main interested party, the effort may be better suited as an FSG specification. Ira is going to gauge their level of interest in championing this effort.

Apple Computer Inc. is also continuing to pursue the level interest from the major inkjet vendors as well as specific handheld vendors in the Micro Job Ticket as well.

If neither of these parties returns with an indication greater interest, this effort will be postponed until a time when the interest level warrants further work.

## 4.5  Print Services Interface -PSI

No formal working group meeting held during the week.

The PSI working draft specification has finished Last Call, however the final working draft that integrates the Last Call comments is still pending.  The Formal Vote can not be issued until this working draft is completed.

The informative WSDL files that describe the PSI protocol operations have been completed.

## 4.6  IPP FAX – IFX

No formal working group meeting held during the week.

The IPP Fax effort is in temporary hibernation at this time.  The current plan for this is to finish the security recommendations section of the specification and to get the working draft in a technically complete state… This working draft will not be taken to a Formal Vote at this time due to the lack of prototyping of the protocol.

## 4.7  UPDF

No formal working group meeting held during the week.

There is no new status for the UPDF Working group at this time…

## 4.8  MIBs

No formal working group meeting held during the week.

There is no new status for the MIB Working Group at this time…

Highlights From the last meeting:
The Printer MIB v2 has been published as RFC 3805, the Finisher MIB has been published as RFC 3806, and the Char-Set MIB has been published as RFC 3808.

There are no other pending MIBs to be published in the IETF.

The UP3I group has requested additional MIB entries that need to be evaluated.  This is scheduled to be discussed at the November, 2004 F2F meeting.

### 4.9  XHTML-Print

No formal working group meeting held during the week.

No new status for XHTML-Print…The W3C Candidate Recommendations are waiting for prototypes to progress to full Recommendation.  There is work progressing on prototypes to full-fill this requirement.

### 4.10 PWG Process 2.0

The Process Document is has completed Last Call and the Last Call comments have been integrated into a final draft to be sent for Formal Vote.  After a final review of these edits, this process document will be sent for Formal Vote which will complete before the next F2F meeting.

# 5  PWG Financial Report

Harry Lewis presented the PWG financial report prepared by the ISTO.
Copies of these slides may be requested from the PWG chair.

There are currently 30 PWG member companies in good standing.
(see the PWG web site)

**Action Item:**  From the Financial Report: The companies greater that 180 days in arrears from the last meeting have not yet been removed from the ageing report. Harry Lewis will inform the ISTO office to write this debt off as bad debt.

**Action Item:**  There is still no indication in the Financial Reports that Norbert Schade's personal PWG dues have been refunded (since his company has joined the PWG).  Harry Lewis will verify with the ISTO that this has/will happen.

**Reminder:** The PWG Dues for 2005 will be $1500.00 per company.  Invoices will be sent out soon.  Please make sure your company's financial infrastructure is expecting it.

### 5.1  PWG Server Transition Plan

The key target dates for the transition to the new PWG server hardware platform are as follows:

| Target Finish Date: | Task: |
| --- | --- |
| Oct 11, 2004 | H/W assembly |
| Oct. 25 | O/S Install |
| Nov. 15 | Application install |
| Dec. 6 | Test on Protected network |
| Dec. 10 | Relocate to Internet & test |
| Dec. 12 | Replace production system |

## 6  Next meeting (November) Day by Day Schedule

The current November 15-19, 2004, meeting day planning was discussed.  (San Antonio, TX). This meeting will be co-located with both the Free Software Group and the IEEE P2600 Hardcopy Device and System Security group.

The current agenda for the week is:

- Monday (FSG Day 1 (all day) in parallel with PWG **afternoon** discussion containing MJT, TFM, and UP3i requested MIB extension)

- Tuesday (FSG Day 2 in parallel with PWG WIMS), in the evening, there will be an FSG/PWG general brainstorming session.

- Wednesday (FSG/PWG/P2600 Extended Joint Plenary, and PWG Semantic Model)

- Thursday/Friday (IEEE P2600)

## 7  2005 Meeting Schedule

The current PWG meeting schedule for 2005 was presented during the plenary meeting.

| 2005 Schedule Plan | |
|---|---|
| Week of | Location |
| | |
| Jan 10-14 | Tampa FL |
| Feb. 21-25 | Portland (Sharp host) |
| April 11-15 | Tokyo (hosted ??) |
| May 16-29 | Toronto(Equitrac host) |
| July 11-15 | San Francisco CA (Apple host) |
| Sept. 12-16 | Madison WI |
| Oct 24-28 | New Orleans |
| Dec. 12-16 | San Diego CA |

All meeting dates are planned to coincide with IEEE P2600 F2F meetings.

The crossed out dates are meetings that could coincide with the IEEE P2600 if the PWG working groups need extra meetings.

There was a discussion about trying to switch the locations of the January (Tampa) and February (Portland area) locations to allow key companies in the region to attend the meeting. Since the February meeting is currently only the P2600 group, Sharp will be contacted about hosting the PWG as well. If this switch cannot be made, then it's possible that the first meeting of 2005 could be postponed until February 2005.

**Note:** Currently, there is a PWG/P2600 meeting scheduled for Tokyo in April. It would be desirable to have that meeting hosted by a PWG member company if possible.

# 8   PWG Misc. and Issues

## 8.1  Miscellaneous (FYI)

**Nomination Committee for 2004 ISTO Board of Directors**
Harry Lewis has been the representative from the PWG.

**Decision:** It was decided that Harry Lewis would continue to be the PWG representative to the ISTO Board of Directors.

**Axeda invitation to join the WIMS effort in the PWG**
An invitation was sent to Axeda regarding the WIMS effort and the possibility of them participation in this effort, there has been no reply to this invitation.

**MS is actively reviewing the PWG's IP Policy**
There is no publicly known motivation on Microsoft's part.

**Other**
There was a general comment that there needs to be a better indication of the level of interest of or "reality of adoption" for the PWG Candidate Standards and the PWG Working Groups efforts. This issue will be discussed further in future meetings.

## 8.2  PWG Issues for discussion

- **Industry shift to CE and Production Printing (VDP).**

This has resulted in a reduction in participation from companies that consider/view the PWG as more a Network Printing focused working group.

- **Competing Standards**
    Examples:

- IPP FAX vs. IFAX

- Micro-Job Ticket vs. DPOF

- **Proprietary Stances**
    Examples:
    - WIMS (vendors more focused on their own solutions at the present time)

    - MFD Model (with proprietary management protocols, comes proprietary models)

- **Intellectual Property Concerns**
    - "Secret Handshake" organizations more prevalent in standards development.

The group discussed the impact of these factors on the participation levels in the PWG. No resolutions or action items came out of the discussion. Further discussion of these topics will be held at the November PWG Brainstorming session.

# 9   New PWG Topics/PWG Brainstorm (preliminary)

**Action Item:** Harry Lewis will issue specific invitations to all current and recent PWG members to participate in a PWG Brainstorming session at the November PWG F2F meeting.

Harry presented a slide with initial ideas/topics to start the discussion at the November meeting. (See presentation slides)

**Meeting Adjourned**: Followed by final review of the PWG Process 2.0 Document in preparation for Formal Vote.