

Printer Working Group Plenary

January 20, 1999

1. Meeting Attendees

		UPDF	IPP	Plenary	1394
Abdallah Qaisi	Apple	x			
Nick Webb	Auco		x	x	
Akihiro Shimura	Canon			x	x
Atsushi Nakamura	Canon			x	x
Katsuaki Sekiguchi	Canon		x	x	
Nobuhiko Shinoda	Canon			x	x
Shigeru Ueda	Canon		x	x	x
Osamu Hirata	Canon Business Machines				x
Don Purpura	Canon Information Systems		x	x	
Lee Farrell	Canon Information Systems	x	x	x	x
Michael Yeung	Canon Information Systems	x	x	x	
Peter Johansson	Congruent Software				x
Ron Bergman ⁽¹⁾	Dataproducts	x	x	x	
Bill Wagner	DPI/NetSilicon	x	x	x	
Greg LeClair	Epson			x	x
Kazuhiko Shinozuka	Epson				x
Alan Berkema	Hewlett Packard				x
Brian Batchelder	Hewlett Packard	x	x	x	x
Greg Shue	Hewlett Packard				x
Jan Idomir	Hewlett Packard	x	x	x	
Laurie Lasslo	Hewlett Packard	x			x
Sandra Matts ⁽²⁾	Hewlett Packard	x	x	x	
Scott Bonar	Hewlett Packard				x
Harry Lewis ⁽³⁾	IBM	x	x	x	
Henrik Holst	i-data	x	x	x	x
Michael Wu	Kodak	x	x	x	
Kaoru Yamagishi	Komatsu		x	x	x
Don Wright ⁽⁴⁾	Lexmark	x	x	x	x
Jerry Thrasher	Lexmark				x
Andrea Westerinen	Microsoft			x	
Mike Fenelon	Microsoft				x
Raymond Balmes	OCE	x	x	x	
Frank Zhao	Panasonic				x
Eric Random	Peerless	x	x	x	x
Grant Gilmour	Qmaster Software	x	x	x	
Bob Scheifler	Sun			x	
Larry Stein	Warp 9 Communications			x	x
Bob Herriot	Xerox		x	x	
Carl-Uno Manros ⁽⁵⁾	Xerox		x	x	
Pete Zehler	Xerox		x	x	
Rick Yardumian	Xerox	x	x	x	
Tom Hastings	Xerox		x	x	
Don Criscione	Xionics	x		x	

⁽¹⁾ JMP Chairman

⁽²⁾ UPDF Chairman

⁽³⁾ FIN Chairman

⁽⁴⁾ PWG Chairman

⁽⁵⁾ IPP Chairman

2. Administrivia

Wednesday morning, Don Wright opened the PWG meeting, and provided details for the next meeting:

- March 1-5
- Biscayne Bay Marriott
- 1633 North Bayshore Dr.
- Miami, Florida 33132
- Phone: 305 374-3900 Fax: 305 375-0597
- Rate: \$169
- Register with Sandra Matts (sandram@boi.hp.com)

There will be no PWG Plenary session or IPP meeting in Miami. However, there will be a meeting held for IEEE 1284r activity.

Don also referenced the 1999 schedule for future PWG meetings:

- Apr 12-16 New Orleans
 - May 24-28 Philadelphia
 - Jul 5-9 Copenhagen, Denmark (other European?)
 - Aug 16-20 Alaska (Joint PWG/PWG-C)
 - Sep 27-Oct 1 Denver
 - Nov 1-5 Raleigh, NC
 - Dec 13-17 Los Angeles/Santa Barbara area
- Apr. 4-9 Comdex Tokyo
- May 11-14 WWW8 Toronto
May 10-11 W³C AC Meeting
May 31-Jun 4 N+I Tokyo
Jun 22-24 PC-Expo NYC
- Jul 12-16 IETF Oslo
Jul 14-16 Comdex Canada
- Nov 8-12 IETF Wash DC
Nov 15-19 Comdex

3. Status Reports

Each of the Project Chairs (or appointed spokesperson) provided a brief status of the individual projects.

3.1 Printer MIB Project (PMP)

The Printer MIB is now completely updated, and it compiles correctly. The Chairmen are currently exploring the fastest path for getting the Printer MIB onto IETF Standards Track. The Chairman of the HR MIB WG has committed to complete all necessary paperwork by Feb 28, 1999.

3.2 Job Monitoring MIB Project (JMP)

The group plans to submit what existed almost a year ago—without the recent table additions. Instead, they plan to add the tables for a “version 2” revision. Bake-off discussions are being considered, but no specific details are currently available.

3.3 Finisher (FIN) MIB Project

Completed. No implementations yet to justify a Bake-off. MIB documentation is done. The group wants to submit the document to the IETF together with the Printer MIB.

3.4 Universal Printer Description File Format (UPDF) Project

Starting to “flesh out” requirements document, focusing on clarifications for what is in scope and what is not. Apple gave presentation on Mac OS X printing. Xionics presented PDL-independent architecture that they use. Sandra Matts is 99% sure that XML will be used to encode the UPDF format.

3.5 Internet Printing Protocol (IPP) Project

The group is still waiting for a response from the IESG on the IPP/1.0 documents that were submitted to the IETF in December.

TLS security support, “Set 1 Operations”, “pages-per-minute” attribute, and IPP URL scheme will all be added to define IPP/1.1. The group plans to include interworking rules with IPP/1.0. They hope to deliver the IPP/1.1 documents by February to meet the deadline for the next IETF meeting. Several members are still coordinating on IFX, but will delay delivery on Notifications document.

3.6 1394 PWG

Several additional items have been agreed on the Model and Command Set document for the 1394 printing device profile document. Greg LeClair indicated that he has now received the OUI (Organization Unique Id).

4. DMTF CIM

Andrea Westerinen, Chair of CIM System and Devices WG gave a presentation on the DMTF CIM (Desktop Management Task Force Common Information Model) The slides are available at: “<http://www.pwg.org/chair/presentations/cimprint.pdf>”.

DMTF website: www.dmtf.org

CIM information: www.dmtf.org/specification/cims.html

WBEM and Win32 information: www.microsoft.com/management/

Andrea Westerinen: andreawe@microsoft.com

DMTF is currently chaired by Tivoli. The Board companies include Intel, Microsoft, HP, Tivoli, Sun, Cisco, Compaq, Novell, Bull, and Platinum.

After the presentation, Don Wright asked if people were interested in spending time on reviewing and providing input on the DMTF CIM effort. Although a few individuals said that they are interested in the activity, they were not immediately able to commit their time. However, Andrea suggested that a simple review of material prepared for CIM v2.2 would be useful. She will attempt to organize a teleconference for the review.

5. PWG Incorporation

Larry Stein presented his investigations into the implications/requirements of having the PWG incorporate. His presentation slides are available at: "<http://www.pwg.org/chair/presentations/incorp.pdf>".

Because the PWG is currently only an informal, "ad-hoc" group, some disadvantages are:

- The group does not legally exist
- PWG cannot own anything
- No "long-term standing"
- Liability to individual members and/or companies
(without a corporate shell, all attending members and/or companies can be held liable for damages)
- Organizing meetings creates large liability to individual volunteer

Types of Incorporation

- For profit
- Non-profit
 - * All non-profit companies are tax exempt
 - * Must apply to the IRS and receive approval to be considered a non-profit organization
 - * Good chance for PWG to qualify as a non-profit organization
- Non-profit charitable (this type would be preferred, but qualification is less likely)

Estimated cost for incorporation is \$6,800:

Incorporation

Legal Fees	\$2000
Corp Tax	\$600
Misc Fees	\$200

Non-Profit Filing

Legal Fees	\$3000
Misc (buffer)	\$1000

Organization Requirements

- President, Secretary, Financial Officer
- Board of Directors
 - * minimum of three Directors
 - * permanent and elected/appointed
 - * term limit up to 3 years
- Annual paperwork

Two different types of operation are possible—either "Board Controlled" or "Member Controlled." It is easier to set up a Board Controlled group rather than a Member Controlled group. The bylaws for a Member Controlled group are more complicated. It is possible to change from Board Controlled to Member Controlled—but not the reverse.

Don Wright asked for opinions on the presentation material. Someone asked about (who should pay for) the initial fees or ongoing expenses. Don suggested that perhaps the companies of the Board members

could contribute to the cost at a higher rate than each of the members. Several members that have organized previous meetings stressed the benefits of liability protection.

One person said that Larry's presentation might not adequately represent the yearly costs. He suggested that it might be as high as \$2,000. He noted that if this was generated from meeting fee charges, the incremental fees would be very small.

Don proposed that the PWG Executive Committee should be allowed to pursue this effort and provide recommendations based on their investigations. Don asked for consensus from the group and there were no objections.

PWG Plenary adjourned.