



Printer Working Group Plenary Meeting Minutes

Cyberspace
2 April 2003

Submitted by Bill Wagner, NetSilicon, PWG Secretary

1 Time and Place

The scheduled Washington, DC set of PWG face-to-face meetings were canceled because several companies had implemented travel restrictions. The attendance of participants, including several committee chairmen and editors, would have been reduced to an extent that jeopardized the productivity potential of the meeting.

The IEEE/ISTO organization provided for telephone conference hookups, and HP set up WebEx facilities to support distributed participant meeting. This allowed updating of current status and some progress to be made on active projects. The schedule of meetings was established as follows, although most meetings extended well beyond their designated times.

PWG PHONE CONFERENCE SCHEDULE

Eastern Time	Monday 31-Mar-03	Tuesday 1-Apr-03	Wednesday 2-Apr-03	Thursday 3-Apr-03	Friday 4-Apr-03
8:00 AM					
8:30 AM					
9:00 AM					
9:30 AM					
10:00 AM					
10:30 AM					
11:00 AM					
11:30 AM					
12:00 PM	WBMM		PWG Plenary Meeting	Semantic Model	
12:30 PM	Dial In: '+1 719 457 0335 Pass: 400908#		Dial-in: +1 719 457 0335 Pass: 400908# agenda to follow https://hp.webex.com/join/ Number: 28153402 pwd: makeaplan	Dial-In: +1 719 457 0335 Pass: 400908#	PSI
1:00 PM					Dial-In Number: +1 719 457 0335 Pass: 400908#;
1:30 PM	http://hp.webex.com/webex/e.php?AT=MO			https://hp.webex.com/join/	https://hp.webex.com/join/ Number: 21659206 pwd: newpsi
2:00 PM	Meeting #: 21360700 Pwd: mywbmm ftp://ftp.pwg.org/pub/pwg/wbmm/			Meeting #: 29039952	
2:30 PM				Pwd: pwg_sm	
2:45 PM			IFX Web-EX, Meeting		
3:00 PM			Number : 24626121; Password: pwgixf		
3:30 PM			IPPFax		
4:00 PM	Character Repertoire Dial In: '+1 719 457 0335		Dial-in: +1 719 457 0335 Pass: 400908#		PSI Dial-In Number: +1 719 457 0335 Pass: 400908#
4:30 PM	Pass: 400908# ftp://ftp.pwg.org/pub/pwg/Character-Repertoires/wd-PCR10-20030317.html				https://hp.webex.com/join/ Number: 26342152 pwd: newpsi
5:00 PM					
5:30 PM					
6:00 PM					

2 Agenda & Schedule

The Plenary was started at 12:00PM EST (9:00AM PST). The published schedule was:

9-9:30 PST	Project status
9:30-9:45 PST	2003 meeting schedule
9:45-10 PST	Miscellaneous Issues
10-10:30 PST	PWG Process document review

The Plenary meeting ran over and concluded at 3 PM EST (12:00 PST).

3 Meeting Attendees

Attendee	Company	Email Address
Bergman, Ron	Hitachi-ps	Ron.Bergman@hitachi-ps.us
Bradshaw, Elliott	Oak Technologies	ElliottBradshaw@oaktech.com
Carney, Dennis	IBM	dcarney@us.ibm.com
Farrell, Lee	Canon	Lfarrell@cis.canon.com
Hall, David	HP	dhall@hp.com
Hastings, Tom	Xerox	hastings@cp10.es.xerox.com
Herriot, Bob	Herriot	bob@herriot.com
Kenndey, Kelli	HP	Kelli.Kennedy@hp.com
Lewis, Harry	IBM	harryl@us.ibm.com
McDonald, Ira	High North	imcdonald@sharplabs.com
Markle, Cathy	HP	Cathy.Markle@hp.com
Seeler, Rick	Adobe	rseeler@adobe.com
Schade, Norbert	Oak	norbertschade@attbi.com
Songer, Gail	Peerless	gsonger@peerless.com
Taylor, Bob	HP	bobt@hp.com
Thrasher, Jerry	Lexmark	thrasher@lexmark.com
Tronson, Ted	Novell	ttronson@novell.com
Wagner, William	NetSilicon	wwagner@netsilicon.com
Wright, Don	Lexmark	don@lexmark.com
Zehler, Peter	Xerox	pzehler@crt.xerox.com

4 Future Meetings

A tentative outline of the revised 2003 scheduled was proposed.

June 16	Central West Coast Location (Portland, Ore)
August 11	Interop activity ?
October 6	NYC
December 1	Provo

With discussion, it was determined that:

- There were no objections to moving up the next meeting to June 16.
- It was possible that HP would still be on travel restrictions:
- Vancouver BC is out because of possible ban on international travel.
- Select location to allow drive to an HP central location such as Roseville CA. Dave will pursue HP hosting meeting.
- Having companies host minimizes the cost if the meetings need to be cancelled.
 - Rick would be check to see if Adobe could host a meeting.
 - Lexmark would be happy to Host.
- October and December meetings stay as originally planned, pending more information.
- Question as to whether an August meeting is necessary to recover from cancelled Washington meeting. August was originally planned for interoperation testing sessions. This has not been resolved and probably will be considered at June meeting.

5 Reports from Constituent Working Groups

WBMM – Bill Wagner

CR – Elliott Bradshaw

IFX – Gail Songer

XHTML Print – Don Wright

SM – Peter Zehler

PSI – Alan Berkema

UPDF – Norbert Schade

IPP Extensions- Tom Hastings

MIBs – Ron Bergman

• IESG 4 week last call pending

• IANA Charset MIB – Informational (Ira)

5.1 *Web Base Monitoring and Management - WBMM*

The WBMM working group was chartered at the “Device Management” BOF during the last PWG face to face January 21, 2003. Since then, members have been working to clarify the scope and objectives by developing scenarios. The result of this was to expand the overall scope of WBMM to address both extranet access and full device management as well as intranet inter-enterprise device management. The compliance with earlier scenarios requires that the capability must allow for the local setting of policies to restrict remote access.

To reflect these changes, the proposed charter and projected schedule will be revised and submitted to the PWG according to process. The scenarios and requirements drawn from then will be more completely documented and will for the basis of the WBMM requirements document.

WBMM goals now include definition of transports, methods, operations and an XML based data model for device management. WBMM will extend the PWG semantic model and should be complimentary in terms of design and architecture with the PWG Print Services Interface. WBMM will address management of imaging related web services as well as devices.

5.2 Character Repertoire-CR

The current scope of the CR activity is to develop a document defining a lightweight method of defining what characters are renderable on a printer. Possible future extensions include a look at existing pdl's, fonts, etc, that are excluded from the current effort.

The current document was extensively reviewed during the Monday phone conference, 31 March. There was unresolved discussion as to whether material should be presented as normative or as best practice.

The document is not yet ready for last call. It is almost stable, but some issues remain to be resolved. The chairman worked with SM on linking in/referencing in the character repertoire.

Elliott observed that, although a proposed charter had been offered, the group has been operating and may complete its immediate objective without an approved charter. Elliott's interest is in primarily in the current document, which is close to Last call. Last call is intended for the June face-to-face. The consensus appear to be that the CR group should become formally established for maintenance of the current document and continuing work in this field. It was suggested that this activity proceed using the in-process process.

5.3 IPP FAX - IFX

Most technical issues have been resolved. The objective of this weeks meeting is to address the remaining document issues and prepare for last call. All options removed. Last call is intended in the next few weeks. Last major item is IP statement from Adobe legal. Rick is dealing with this.

5.4 XHTML-Print

The current PFW document was presented during the March W3C Plenary to the HTML Working group and the associated CSS profile to CSS working group. It was well received, with the W3C agreeing to pick up ownership. Jim Bigelow would continue as editor. There are IP issues still to be resolved before hand off.

The "last call" for the document was 100% approved. The group will reissue the document as an approved candidate standard. Aside that these actions, the work of this working group is complete and there will be no more WG meetings unless W3C handoff is dropped.

The present plan is that within the PWG, this specification will not go beyond candidate standard. However the candidate standard will continue to be available at the PWG site for use as an interim definition because the W3C will not make their version available until it gets to some point.

It is anticipated that the W3C will make some changes to the document, particularly to keep it consistent with changes in general CSS handling. This is desirable, although it may require some workarounds in early implementations.

5.5 Semantic Model - SM

The activity is moving along well. Main activities are on the Document Object and incorporation of the character repertoire reference. There have been a few changes -- the current version was posted this week. The Version 0.93 schema is now available. The primary issue is tool compatibility versus optimum XML.

Nine issues remain in Document Object. The intent is to put to last call as soon as reference documents are stable. Little change relative to the current version is envisioned.

5.6 Print Services Interface -PSI

Current draft spec now out for last call- expected finish on 21 April. Phone interop anticipated in next few weeks. Phone conferences – this Friday. Discussion points are the Developers Guide as well as the spec. There will be an overview presentation of PSI for Free Software Group members and other new parties.

Some new parameters have been added on basis of trial implementations. HP has put up public PSI server 60-70% implementation. Some new WSDL has been posted referencing the version .93 SM. Not fully stable, but working version for interops.

5.7 Universal Print Driver Format - UPDF

There has been a continuing effort to synchronize this with the semantic model and PSI and to go with common schema based on SM.

Group is addressing user interface data. The objective is not to specify appearance of interface, but to define group accessible features. Is current implementation deep enough?

5.8 PWG -IPP Extensions

There has been formal approval of the new extensions. The group considered the need for a new bakeoff because the new extensions have caused some incompatibility. There currently is no formal, active PWG group working on IPP. The new documents have been put up as Candidate Standards – but with last call and no formal vote. That is, PWG extensions are not being addressed according to Process document.

IPP URL scheme has been published by the IETF as RF C3510 and the IPP URL Scheme has been added to IANA.

5.9 Mobs

Finisher MIB and Printer MIB have received a recommendation to be published. The next step is the four week last call. It is anticipated to be 6-8 months to final RFC. However, there are no basic technical changes from the version first offered 6 years ago, when document was first submitted to IETF. There have been structural changes including getting the textual conventions out of the MIB and into IANA MIBS for better handling mechanism for type 2& 3 changes. Type 1 changes require a change to the Printer MIB RFC. But Type 2 and 3 are merged and are 2 are in the char set and IANA MIB.

All documents ON PWG FTP site. Thanks to Bert and SNMP V3 people for assistance to move this along.

6 Status of related Projects

6.1 FSG – Ira and Harry

Group is concerned with Open Linux printing, although the API could be considered more generally applicable. Specific activities include:

PAPI – c-language binding of IPP
JTAPI – neutral job ticket API, initially addressing JDF
Linux Drivers Font metrics and installation

Some documents and links are on the PWG web site under RELATED STANDARDS.

6.2 CIP4

JDF is a comprehensive XML-based file format/proposed industry standard for end-to-end job ticket specifications. The JDF job ticket uses IPP mapping with additional color work. There are 20 working groups working on various parts of JDF. The spec is massive (580 pages).

There have been three private Interops. A Public interop is scheduled for May 2004 Conformance and interface documents for the JDF document are available at www.cip4.org. Some documents and links are on the PWG web site under RELATED STANDARDS.

6.3 PODI –

This closed group, but is doing significant work in Print on Demand that is much needed.

6.4 uPnP –

This closed group that is presently considering the architecture for the next phase.

7 General PWG Business

7.1 Membership Renewal

The annual PWG Membership fees are due. Statements have been sent out over EMAIL and hardcopies were distributed to attendees at the last face-to-face. The organization would appreciate participates efforts to expedite timely payment.

7.2 Review of the Latest Process Document

The organization has been working with the SM and other working groups to modify the basic documentation of the standards development and publication process. The draft reviewed was posted by Dennis Carney on 27 March at:

<ftp://ftp.pwg.org/pub/pwg/general/process/pwg-process20-20030327->

Specific changes will be published, but area discussed included the following:

Maturity Level

A four-value Maturity level keyword is to be used rather than a version number. There was discussion of the specific keywords chosen. Decision was to modify the keywords and (because there is no clear universal denotative meaning to any such words) to include a description of keywords in the boilerplate section of the document.

Candidate Standard Numbering

The Candidate Standard now gets a number, with a “CS” prefix. If the specification reverts to a working draft, the working draft keeps the assigned number but uses a “WD” prefix.

Should “PWG” be used as pre-prefix for candidate standards? - Yes. The “IEEE_ISTO” prefix is to be used only for standards.

Additional Areas to be Documented

There was a suggestion that Document Naming Schemes and web page presentation should be proscribed in the process document

Process Document Category

What is the nature of the process document itself? Subject to Last Call and Voting? The Procedure to be followed for the revision to the process document is to revise, discuss in conference call, and submit for last call.

Is the Process document a “standard”? No. Although it is a formal document, it is not clear into what category it belongs. It will not have a number, but may have revisions.

IP Issues

The objective is to minimize unnecessary changes so as to not require legal re-review by legal departments of member companies. However, the changes to the naming and number of standard generation steps must be reflected in the Intellectual Property section.

It must be ensured that policy with regard to the identification of intellectual property issues is clear and well disseminated.

LOA – send out LOA to any company that may have intellectual property rights that apply to the subject of the standard. Member companies must agree to comply.

The proposal to allow process improvement to progress is to make no changes to Section 9 of the Version 2 Process draft, except to reflect the changes in terms and paragraph numbers elsewhere in the document. The intent is to allow easy agreement on the part of legal departments. A separate effort would be made to address IP issues cleanly and clearly so that final approval will not be difficult.

The plenary adjourned at 3:00 PM. EST (12:00PST)