

PWG Plenary Status Report

Workgroup for Imaging Management Solutions (WIMS/PMP)

**Printer Working Group/WIMS
Face-to-Face Meeting**

**June 10, 2010
Webster, New York**

Purpose of the effort



- **The WIMS/PMP working group is concerned with:**
 - Supporting the remote management of Hardcopy Imaging devices by the definition of new and the recasting of previously-defined imaging device and service management elements for mapping into standard management semantics and protocols, including but not limited to SNMP, CIM, and Web Services Management
 - Continuing support of DMTF/CIM classes concerned with Imaging Devices and Services.
 - Continuing support and update of the printer-related PWG and IETF published MIB documents
 - Continuing support and update of the specifications produced by the former PWG MIB Working Group (PMP) as well as by the PWG WIMS Working Group.

Work Items for the WG



• **What We're Doing**

- Supporting the existing IETF and PWG Printer and related MIB documents, including the advancement, extension and expansion of these specifications.
- Advancing a basic public management elements structure for Hardcopy Services and Devices that draws upon existing structures and that utilizes a set of management elements that is consistent over the various management protocols and methods.
- Update, Create and Prototype DMTF/CIM Imaging MOFs, with the objective of ensuring Hardcopy Device and Service management via a Web Services approach that is consistent with the basic public management elements structure

• **What We're NOT Doing**

- We are not addressing the delivery of Hardcopy services.
- We are not specifically concerned with security issues related to Hardcopy Devices or Services, although management must recognize and accommodate the requirements and constraints demanded by security.
- We are not defining a management service or protocol.

Current Activities



- Command Set Format for IEEE 1284 Device ID
- Update of IANA Printer MIB
- DMTF/CIM for Imaging Devices
- Imaging Power Management
- Managed Print Services Association Liaison

Command Set Format for IEEE 1284 Device ID



- PWG Ballot for advancing
PWG Command Set Format for IEEE 1284 Device ID
Version 1.0
to PWG Candidate Standard
Ten Official Votes, one non-official
 10 yes,
 0 no,
 1 Abstain
- Request Steering Committee to approve vote and instruct Secretary to prepare the document and issue as PWG Candidate Standard.
- Thanks to Ira as editor, to Dell for prototype confirmation, and to members for reviewing and voting in this document.

Additions to IANA Printer MIB PrtInterpreterLangFamilyTC



- langJDF(68), CIP4 Job Definition Format - http://www.cip4.org/documents/jdf_specifications/JDF1.4a.pdf
 - langJMF(69), CIP4 Job Messaging Format -- http://www.cip4.org/documents/jdf_specifications/JDF1.4a.pdf
 - langPPML(70), PODI Personalized Print Markup Language -- <http://ppml.podi.org/ppml-docs/ppml-specifications.php>
 - langXHTMLPrint(71) W3C XHTML-Print -- <http://www.w3.org/TR/xhtml-print/>
 - langPDFis(72), PWG PDF Image-Streamable (PWG 5102.3) - <ftp://pwg.org/pub/pwg/candidates/cs-ifxpdfis10-20040315-5102.3.pdf>
 - langPDF13(73), Adobe Portable Document Format v1.3 - <http://www.adobe.com/devnet/pdf/pdfs/PDFReference13.pdf>
 - langPDF14(74), Adobe Portable Document Format v1.4 - <http://www.adobe.com/devnet/pdf/pdfs/PDFReference.pdf>
 - langPDF15(75), Adobe Portable Document Format v1.5- http://www.adobe.com/devnet/pdf/pdfs/PDFReference15_v5.pdf
 - langPDF16(76), Adobe Portable Document Format v1.6 - <http://www.adobe.com/devnet/pdf/pdfs/PDFReference16.pdf>
 - langPDF17(77), Adobe Portable Document Format v1.7 - http://www.adobe.com/devnet/acrobat/pdfs/pdf_reference_1-7.pdf
 - langPS2(78), Adobe PostScript Second Edition - <http://partners.adobe.com/public/developer/en/ps/psrefman.pdf>
 - langPS3(79), Adobe PostScript Third Edition - <http://www.adobe.com/products/postscript/pdfs/PLRM.pdf>
 - langPCL3(80), HP Printer Command Language 3 - No technical reference manual online
 - langPCL3GUI(81), HP Printer Command Language 3 GUI - No technical reference manual online
 - langPCL5e(82), HP Printer Command Language 5 Enhanced -
<http://h20000.www2.hp.com/bc/docs/support/SupportManual/bpl13210/bpl13210.pdf>
 - langPCL5c(83) HP Printer Command Language 5 Color -
<http://h20000.www2.hp.com/bc/docs/support/SupportManual/bpl13212/bpl13212.pdf>
- Updated ASN.1 source for IANA Printer MIB at: <http://www.iana.org/assignments/ianaprinter-mib>

DMTF/CIM



- No additional activity since the last PWG Plenary

Imaging Power Management



- The Power Management Imaging Systems Documents include:
 - Power Management Model for Imaging Systems 1.0
 - Imaging System Power MIB v1.0
 - PWG-IMAGING-SYSTEM-POWER-MIB

- See the most recent versions of these “wd-wimspower10” documents at:
<ftp://ftp.pwg.org/pub/pwg/wims/wd/>

- Some embellishment of / additions to these documents may be warranted on basis of MSPA Focus Group input.
- These documents are reviewed and awaiting MIB prototype implementation. Prototype is not anticipate until sometime after mid-year 2010.
- After prototype and adjustment of the documents to address issues that arise during prototype, specification documents well be up for PWG last call and Ballot.

Current Activities -MPSA Liaison



- The Managed Print Services Association (MPSA) is a organization of Imaging Service end users, device manufacturers, resellers, consultants, imaging service providers and supporting management, maintenance and monitoring software companies
- MPSA Goals include developing and setting compatible hardware and software standards for MPS industry
- The organization agrees that, in pursuit of it's goals, it is desirable to work with more technically oriented groups such as the PWG
- With the support of Jim Fitzpatrick, MPSA President, in May WIMS conducted a Focus group with seven MPSA member volunteers on the Imaging Power Management Scenarios. The results of this were useful both in providing user input on the scenarios and in better understanding the format, limitations and advantages of these focus groups.

Potential WIMS Activities



- Printer Port Monitor MIB?
 - update spec
 - interoperability testing ?
 - advance PPM to PWG standard ?
- MFD MIB or MIB extensions?
 - Many attempts, of varying completeness, started in the past, especially MFD Alerts.
 - MFD group is addressing service semantics; need to address management elements
- CIM Activities?
 - CIM Printer Profile
 - MFD Elements

Next Steps



- Continue the Hardcopy Imaging Device Power Management Project, including prototype implementation of the Imaging System Power MIB
- However:
 - WIMS has been without Vice Chair or Secretary for several years. There appear to be no volunteers.
 - Participation in bi-weekly conference calls has been meager, to the point of occasionally cancelling the call for insufficient participants.
 - Member interest in device/service management standards is waning.

Therefore, after the next phone conference, WIMS will go into a “sleep” state to be awakened only by specific, pertinent events. The WIMS and PMP mail lists will be monitored.

More Info/How to participate



- We welcome participation from PWG member companies and input from the user community
- The group maintains a Web Page and separate WIKI pages for WIMS and for CIM update

<http://www.pwg.org/wims/index.html>

<http://pwg-wiki.wikispaces.com/WIMS>

<http://pwg-wiki.wikispaces.com/WIMS-CIM>

- To subscribe to the WIMS mailing list, go to :

<https://www.pwg.org/mailman/listinfo/wims>