

PWG Plenary Status Report

Workgroup for Imaging Management Solutions (WIMS)

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

**February 10, 2010
Scottsdale, Arizona**

Purpose of the effort



- **The WIMS 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 update and extension of the 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 - CIM



➤ **Printer Classes**

- Rick is using new DMTF CR tool to create change requests for updated MOFs
 - CIM_Printer.mof / pdf (editorial fixups and deprecations)
 - CIM_PrintChannel.mof / pdf (add new enums from IANA Printer MIB)
 - CIM_PrintInputTray.mof / pdf (delete duplicate property)
 - CIM_PrintInterpreter.mof / pdf (add new enums from IANA Printer MIB)

➤ **PrintService Classes**

- CIM_PrintJob, CIM_PrintService, CIM_PrintServiceCapabilities, and CIM_PrintServiceSettings mof's are done
- PrintQueue, PrintSAP and other small classes still need some update.
- Diagram of the extended CIM Printing classes must be written in Visio and PDF, per DMTF process
- New CIM Change Requests (CRs) must be written

➤ **Printer Proxy CIM Provider**

- Rick remains interested in feedback on user's experiences with the SNMP-CIM interpreter package. Information and code is available at:
 - ❑ ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_README.txt
 - ❑ ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_v10.zip

Current Activities - PMP



- Dell has reported that information in IEEE1284 Device Id "COMMAND SET" document has been prototyped. The Document status has been raised to "Stable"
- The current stable draft is posted at:
<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmp1284cmdset10-20100125.pdf>
- The document has been put into PWG Last Call, prior to being voted on for advancement to Candidate Standard. Last call will end nominally on 25 February.
- With the timely resolution of Last Call comments, it is anticipated that this document will be set for balloting for advancement to PWG Candidate Standard, with voting complete by the April 2010 Plenary meeting.

Current Activities – 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/>

- Proposed schedule has documents reviewed and awaiting MIB prototype implementation by February 2010. After prototype and adjustment of the documents to address issues that arise during prototype, specification documents will be up for PWG last call and Ballot.

Potential MIB Activities



- **Printer Port Monitor MIB**
 - update spec
 - interoperability testing ?
 - advance PPM to PWG standard ?
- **Identify Printer MIB Problems**
 - MIB will be basis for future WS management. Therefore, MIB problems will delay development and/or restrict effectiveness of WS Imaging Management utilities.
 - Users and Fleet Management Agencies both need to understand some of MIB implementation variations, and should have some place to voice the questions.
- **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

Next Steps



- Continue with the CIM effort, eventually to include the CIM Printer Profile
- Continue the Hardcopy Imaging Device Power Management Project, including prototype implementation of the Imaging System Power MIB
- Maintain and update existing set of Printer- and MFP-related specifications
- Attempt at increased contact with user community understand needs and identify real hardcopy device management requirements and use cases.

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>

- WIMS holds periodic phone conferences. Dates and agenda on PWG Google Calendar.

<http://www.google.com/calendar/embed?src=istopwg%40gmail.com>

- Contact WIMS Chair for phone number and access code.