WIMS Working Group
2009-06-24 Face-to-Face Meeting Minutes

1. <u>Attendees</u>

Lee Farrell	Canon
Rick Landau*	Dell
Glen Petrie*	Epson
Ira McDonald*	High North
Jerry Thrasher	Lexmark
Dave Whitehead*	Lexmark
Ole Skov	MPI Tech
Nancy Chen	Oki Data
Joe Murdock	Sharp
Bill Wagner	TIC
Pete Zehler	Xerox

  * via telephone

2. <u>Administrivia</u>

Bill Wagner led the Workgroup for Imaging Management Solutions (WIMS) Working Group meeting.
He provided the planned agenda:

- Proxy CIM Provider –Conclusion
- Update on Other CIM Class efforts
- Imaging Power Management Project
- Futures Discussion & Wrap-up

3. <u>Minutes Taker</u>

Lee Farrell

4. <u>PWG Operational Policy</u>

It was noted that all attendees should be aware that the meeting is conducted under the PWG
Membership and Intellectual Property rules. There were no objections.

5. <u>Proxy CIM Provider – Conclusion</u>

Bill reported the following:

- Rick Landau has completed the Printer Proxy CIM Provider code and has posted the code
  and documentation package at:
    * ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_README.txt
    * ftp://ftp.pwg.org/pub/pwg/wims/cim/DellPrinterProviderProxyPrototype_v10.zip
- This program is donated by Dell, Inc., to the Printer Working Group, and through PWG to
  the open source community, in the hope that it will be useful. The program is provided under
  the terms of the license stated in the README file and all of the original contributed files.

Some additional files included are copyrighted by DMTF and IETF, and are redistributed as permitted by those parties.

Bill noted that the Provider can be used to evaluate a printer's current MIB and shows the degree to which it translates to DMTF CIM and Web Services.

Rick stressed that it is a *translator*, not a full Provider. It takes MIB input (SNMP format in the form of a MIB dump.)

The zip archive that Rick has made available contains 92 files:

- Documentation in MS-Word format
- Python source code of the translator
- Shell scripts (for CygWin bash) to run various tests
- Text output of tests of the translation for all CIM classes across all sample printers
- Plaintext .ini files to generate runtime tables for the translation
- Sample MIB dumps from a variety of network printers
- Plaintext RFCs that define a network printer's management information
- DMTF MOFs that define the CIM model of a Printer device
- PDF Visio diagram of the CIM Printer model
- Makefile to collect the files included in the kit

Rick says that a file called "Classes and Processes" contains a detailed description that is worth reading.

Rick is interested in feedback on user's experiences with the package, including:

- problems in running the package or bugs in the code
- difficulty following the code or making customizations.

It is encouraged that any modifications or additions made to the code to improve usability or functionality will also be made publicly available.

Rick plans to attend the August Face-to-face meeting and will provide a full presentation of the Proxy Provider functionality and code package.

Bill pointed out that Rick's tool output samples could be used for verifying Rick's translation as well as the completeness and accuracy of current MIB implementations.

6. <u>Update on CIM Class efforts</u>

Bill identified some of the tasks that still remain related to the CIM effort:

- CIM Print Services
- Cleanup of remaining Printer issues
- Printer Profile effort

7. **Imaging Power Management Project**

It was announced that Ira McDonald has volunteered to be the technical lead on the Imaging Power Management project, and the WIMS group has decided to proceed with the task of defining Power Management elements.

Bill provided a brief status:

- Ira has generated a Project Charter
- Bill has agreed to assist in editing
- The project needs more contributors… Volunteers?
- When the charter is accepted, Bill plans to contact survey participants for additional comments and input

Bill stressed that the project participants need to make sure that the industry community is aware of this project, and solicit their expertise as much as possible.

Bill explained a few of the project guidelines:

- must deal with real use cases
- must address the major power management issues in a simple straightforward way while having provision for proprietary expansion
- must not be specific to one binding

He said that although the immediate interest may be a MIB, the purpose of the project must be to define elements in an abstract way that is compatible with all of the likely management mechanisms.

The abstract spec must be validated by prototyping an appropriate binding (a MIB in this case) before it is submitted for advancement to Candidate Standard.

A few classes of elements have already been identified:

- Power State Monitoring (e.g., reading power state)
- Power Operations (e.g., for changing power state)
- Power Policy (e.g., scheduled or operationally determined changes in power state)
- Power Capabilities (e.g., valid state transitions and nominal transition durations)
- Power History (e.g., log of state transition and timestamps)

Ira led a review of his first pass on an abstract Power Management Model outline. He described several proposed Power Element Groups as a starting point for initial discussions:

- PowerMonitor Group (REQUIRED)
- PowerTransition Group (REQUIRED)
- PowerMode Group (REQUIRED)
- PowerRequest Group (OPTIONAL)
- PowerLog Group (OPTIONAL)
- PowerPolicy Group (OPTIONAL)

Bill encouraged everyone to pass the document around within their respective companies, and solicit feedback and additions to the starting set of elements.

Ira requested that the Steering Committee add an acceptance review of the Imaging Power Management Project Charter during the Plenary.

8. <u>Futures Discussion & Wrap-up</u>

Bill listed some possible projects for future efforts within the WIMS Working Group:

- CIM Printer Profile Effort
- Printer Port Monitor MIB Advancement
- Identify Printer MIB Problems
- Resume work on MFD Alerts Document
- MFD MIB or MIB extensions

WIMS meeting adjourned.