



WIMS F2F Meeting

Workgroup for Imaging Management Solutions (WIMS/PMP)

February 9, 2012

Irvine, California

This meeting is being held in accord with the PWG Policy on Intellectual Property and Confidentiality, dated January 01, 2009.

The policy is accessible at:

<ftp://ftp.pwg.org/pub/pwg/general/pwg-ip-policy.pdf>.

PWG members have agreed to be bound by this policy as a condition of membership. Nonmember participants implicitly agree to be bound by this policy statement as a condition of participation.

In essence, the policy is that any information presented at an PWG or PWG working group meeting or conference call, or to any PWG mail list may be treated as public information and may be incorporated into a PWG specification or other PWG document.

Agenda



| When | What |
|-------------|---|
| 2:00 – 2:15 | Introduction and Administrative Issues Intellectual Property Policy Statement Identify Minute Taker Introduce Participants Consider Agenda Acceptance of Previous Minutes (ftp://ftp.pwg.org/pub/pwg/wims/minutes/wims_111110.pdf) |
| 2:15 – 2:30 | Status/Action Items Review |
| 2:30 – 2:45 | Discussion of Power MIB Interop Procedure |
| 2:45 – 3:15 | MIB Errata Page |
| 3:15 – 3:45 | Identification of Hardcopy Device Management Elements Not Currently in Semantic Model |
| 3:45 – 4:00 | Next Steps |

Officers

❖ Co-Chairs:

- Bill Wagner (Technical Interface Consulting)
- Danny M. Brennan (GTS Services Delivery)

❖ Secretary:

- NONE

❖ Document Editors:

- Ira McDonald (High North/Samsung)

Current Action Areas and Items



❖ MFD Alerts Document

- Draft at Prototype level, awaiting notice of MIB and IPP prototypes to proceed to Stable level and last calls
- Mike to post notice of prototyping for IPP printer-alert and printer-state-reasons values

❖ Power MIB Interop Test

- Test Procedure at:
- <http://pwg-wiki.wikispaces.com/Power+MIB+Interop>

❖ MIB Errata WIKI

- <http://pwg-wiki.wikispaces.com/MIB+Errata>
- Needs seed observations
- Add links from WIMS WEB and WIKI pages

❖ List of additional MFD Management Elements

- ftp://ftp.pwg.org/pub/pwg/wims/white/Management_elements-20120116.pdf

Power MIB Interop Procedure

❖ Procedure as posted:

1. If necessary, setup the printer and turn it on
2. Send one or more print jobs to the printer so that all of the printer's subunits are utilized
3. If the printer provides scanning or copying features, exercise those as well
4. Allow the printer to enter its sleep state
5. Do a plain text MIB walk of MIB-II, Host Resources MIB v2, Printer MIB v2, and PWG Power MIB
6. Note whether the MIB walk caused the printer to wake up
7. Note what the idle/sleep timeout period is for the printer
8. Send contents to Michael Sweet (msweet@apple.com)

Power MIB Interop Procedure

- ❖ Has anyone run the test following this procedure?
- ❖ Are instructions adequate?
 - Should suitable MIB–Walk tools be identified.
 - Should the form and contents of the MIB Walk record (the “output” in the procedure) be identified?
- ❖ We previously had suggested the following:
 - The MIB walk program records queries and responses in plaintext, CSV, or PDF (preferably without headers and footers, for ease of review) format. The following fields are to be provided for each object:
 - object name or OID (compiled object name is convenient for human browsing, but not necessary)
 - object instance - scalars are always '.0' - all Power MIB columnar objects are simple integers
 - object datatype - base or textual convention
 - object value - integer, string (w/ hex? optionally)

Power MIB Interop Procedure

- ❖ Should it be made clear that:
 - The MIB records will be reviewed by Michael Sweet (Apple) but he will not make these available to anyone else in the PWG?
 - Michael Sweet will do a summary that will indicate degree of implementation, and compliance with the standard, and will summarize observed defects and errors that may suggest unclear or unreasonable areas in the Standard?
 - The summary will not identify names of participants, and will seek to ensure that it does not provide information that can be used to identify a participant or a particular implementation?

- ❖ Should we better publicize this test and, if so, how?

MIB Errata Page

- ❖ Currently set up for
 - Finisher, Job Monitoring, Printer MIBs
 - Should we include Port Monitor, Counter, Power, Projector MIBs?
- ❖ Collect comments and questions to seed Errata and FAQ
- ❖ Add Statement of approach
 - e.g., comments and questions will be reviewed by WIMS with responses posted?
- ❖ How do we publicize the page as a Hardcopy Device MIB Resource?

Identification of Hardcopy Device Management Elements



- ❖ Conceptual intent is to suggest addition to the Semantic Model of management elements characteristically supported in Printer/MFD Devices
- ❖ Celstream identified elements typically derived from sources other than MIBs (next page)
 - Comments on initial list of network management elements at ftp://ftp.pwg.org/pub/pwg/wims/white/Management_elements-20120116.pdf
 - Should things such as IPsec and TLS settings be included?
 - Should areas other than Network elements be included (e.g., "Printing Settings"?)
 - Rick Landau suggests using CIM Elements (Printer Profile applicable)
 - - DSP1014, Ethernet Port Profile, latest version is 1.0.1
 - - DSP1035, Host LAN Network Port Profile, latest v1.0.2
 - - DSP1036, IP Interface Profile, latest v1.1.0
- ❖ Any interest in providing more elements?

Celstream Information Sources for CWMP Proxy



| Information | SNMP | EWS | Access |
|---|------------|-----------|--------------------------------|
| Network configuration | | | |
| DNS and WINS Configuration | No | Yes | Read-write |
| SMTP configuration | No | Yes | Read-write |
| FTP configuration | No | Yes | Read-write |
| HTTP configuration | No | Yes | Read-write |
| LPD and Port 9100 | No | Yes | Read-write |
| SNMP configuration | No | Yes | Read-write |
| Time configuration | No | Yes | Read-write |
| TCP/IP configuration | Yes | No | Read-write |
| Printing Settings | | | |
| Email alerts configuration | No | Yes | Read-write |
| Finishing configuration | No | Yes | Read-write |
| Scan, print, fax settings | No | Yes | Mixture of read and read-write |
| PCL settings | No | Yes | Read-write |
| PS settings | No | Yes | Read-write |
| Printer information | | | |
| Printer general, identification and asset information | Mostly Yes | Mostly no | Few are read-write |
| Consumables and paper usage | | | |
| Consumable status and estimates | Yes | No | Read |
| Service | Yes | No | Read |
| Paper – Metering | Yes | No | Read |
| Tray status | Yes | No | Read |
| Printer interaction | | | |
| SNMP and EWS connection settings | No | Yes | Read-write |

Next Steps



❖ PWG Power MIB Interop

- Publicize?

❖ MFD Alerts

- Prototype Volunteers?
- Schedule

❖ MIB Errata Page

- Links.
- Adding errata, comments, clarifications

❖ Additional Management Elements to be identified in Semantic Model

- More Elements?
- Review of Lists
- Form of submission to SM working group

Wrapup

- ❖ Comment and Questions?
- ❖ New Action Items
- ❖ Next Conference Call: 1PM EST, 23 February 2012