

PWG WIMS

Conference Call Minutes

November 10, 2011

W.A. Wagner, CoChairman PWG WIMS/PMP

1 Attendees

Ira McDonald	High North/Samsung
Glen Petrie	Epson
Bill Wagner	TIC
Pete Zehler	Xerox

2 General

- Meeting was convened at 1 PM EST, November 10, 2011 and ended about 1:55 PM EST
- Notice was made that the meeting was held in accord with the PWG Intellectual Property Policy. There were no objections.
- Minutes of the last WIMS conference call(ftp://ftp.pwg.org/pub/pwg/wims/minutes/wims_111027.pdf) were accepted without comment
- Consideration of the December face-to-face meeting was added to the posted agenda.

3 Action Items Review

The action items listed in the previous meeting minutes were considered

- Ira to provide previously-used testing procedures for other MIBs to Mike – open, but see comments on Power MIB interoperability test below
- Mike to propose test procedure at December 2011 F2F - open
- MFD Alerts to be updated and discussed at IPP Conference call. (done)

Special mention was made that the agreed upon additions of 'matteToner' and 'matteInk' in the PRTMarkerSuppliesTypeTC have been made in the IANA Printer MIB:

4 MFD Alerts Document Review

- Agreed that the latest version (<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmpmfdalerts10-20111030-rev.pdf>) addresses comments from the last WIMS conference and was agreed to in the IPP conference
- The alerts information in Section 9 can be updated to be consistent with the more current information in Table 2.
- Some discussion on likelihood of getting prototype statement to allow document to advance to stable state and to proceed with last calls and balloting
 - Although IPP aspects may get prototype acknowledgement from Michael Sweet, there is some apprehension that notice of SNMP prototype will not be forthcoming and that document may languish.
 - Agreed that there should be a well justified Call for Prototype at both the December Plenary and December WIMS/PMP Face-to-Face meeting.
 - Ira indicated that he would encourage a prototype effort and acknowledgement from Samsung.

5 Power MIB Interop

Ira provided an email message outlining an approach to the PWG Power MIB Interop test. Main points are:

- Suggest usable free MIB walk tools, although any tool providing required MIB Walk record could be used

- Stress that test is run by participating company on their premises using any implementation from lashup to prototype to production level machine, as they wish; and that participants and specific results are not made public. Rather, test results are processed by Michael Sweet to illustrate consistent valid implementation versus non-interoperable aspects, potentially indicating errors, inconsistencies or ambiguities in document.
- Stress that test is just to demonstrate interoperability, or to indicate areas in the document requiring correction or clarification.
- Basis of test is SNMP MIB walks *public* MIBs, including the following MIBs:
 - IETF MIB-II (RFC 1213)
 - IETF Host Resources MIB v2 (RFC 2790)
 - IETF Printer MIB v2 (RFC 3805)
 - PWG Power MIB (PWG 5106.5)
 The MIB walk includes the set of public MIBS because the PWG Power MIB specifies consistency/correlation between responses to certain PWG Power MIB objects and the responses to object requests in the other MIBS
- The MIB walk programs must record queries and responses in plaintext, CSV, or PDF (preferably without headers and footers, for ease of review) format and should include the following fields 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)
- Interop editor will review MIB walks and produce a table of object groups and individual objects, showing coverage, implementation issues, etc. in a summary report for the April or June F2F (according to the timing of the event).

It was questioned whether this approach would provide some instance of all mandatory object values of all required objects (which was a desirable objective of the interop test); and further, whether the testers should run the MIB walks with the device in various power states.

- The latter question was first assumed to apply to using the Power MIB to alter power states. In this vein, it was considered that Xerox could be requested to make its client application available to exercise power state change objects. This should be pursued.
- The original suggestion was clarified to mean that the power state could be changed by any means (sending a job, allowing the device to go into sleep mode, using local control panel options, etc)
- It was then observed that typically any SNMP (or HTTP) status request would “wake up” a printer or MFD. That being so, any current power state reading will indicate “ON”. This appears to be an important issue that should be further discussed. One suggestion was that the power state response should apply to the state just prior to receiving the SNMP request.
- At any rate, this issue points out the importance of the log.

6 Subjects for December Meetings

- Primary subjects for December meetings are the MFD Alerts Document and the Power MIB Interop test, as described above.
- The disposition of the Xerox requests for additions to ‘PrtMarkerSuppliesSupplyUnitTC’ and ‘PrtMarkerSuppliesTypeTC’ should be reported.
- In conjunction with the consideration of the Power MIB Interop test, the unfortunate and counterproductive reported tendency for devices to always go to the ON power state when responding to status requests should be discussed.
- It was suggested that Rick Landau should be contacted for possible input on projected resumption of DMTF/CIM activity.
- Ira noted that the documentation from the prioritization of Printer MIB objects done as part of the original CIM effort was extremely useful in establishing printer input tray and output tray attributes for IPP. He suggested that that document would also be a useful resource in generating the CIM

printer profile, where there should be a close correlation between A-level and required objects and between B-level and recommended objects.

7 Action Items

- Next meeting : Potentially joint IDS/WIMS conference call on December 1 to discuss slides. Then December Face to Face on December 8 in Austin
- Ira to work with Mike to propose test procedure at December 2011 F2F (input for slides prior to December 1)
- Ira to update MFD Alerts document prior to December 8.
- Rick to be queried on CIM print profile approach information for possible slides input (prior to Nov 17)
- Bill to prepare Plenary and WIMS/PMP meeting slides and post prior to November 22.