WIMS F2F Meeting

Workgroup for Imaging Management Solutions (WIMS/PMP)

June 7, 2012

Webster, New York

Intellectual Property Policy Statement

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
1:00 – 1:15	**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/wimslastphone.pdf)
1:15 – 1:30	**Status/Action Items Review** MFD Alerts Document Power MIB Interop Test
1:30 – 2:15	MIB Errata Page
2:15 – 2:30	Identification of Hardcopy Device Management Elements
2:30 – 2:45	PWG Power MIB/ IETF EMAN Activities Relationship
2:45 – 3:00	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)

Status/Action Items Review

❖ **MFD Alerts Document**

  ➢ Allows support of Multifunction Device status and alert reporting using Printer MIB Alerts mechanism and/or IPP "printer-state-reasons" and "printer-alert" attributes

  ➢ Presently in PWG formal vote, to end 15 June. Three responses so far.

  ➢ ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmpmfdalerts10-20120517.pdf

❖ **Power MIB Interop Test**

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

  ➢ Procedure is primarily providing record of MIB walks of associated MIBs; results will be analyzed by independent individual

  ➢ Intent of Interop is to ensure that specification is sufficiently complete, clear, and unambiguous to allow independent developers to produce consistent implementations interoperable with standard SNMP applications

  ➢ One response so far.

MIB Errata WIKI

❖ **Background**

➢ Intent is to provide central location for comments, questions and recommendations concerning imaging-device related MIBs

➢ Questions posted by members, or sent to the WIMS/PMP group and considered to be of general interest, will be posted with comments and suggestions.

➢ Potential problems relative to the MIB specifications and/or typical implementations will be posted

➢ If problems appear to be significant enough to warrant it, errata developed by the WIMS/PMP workgroup will be posted.

❖ **Status**

➢ Errata page is accessible at http://pwg-wiki.wikispaces.com/MIB+Errata

➢ Needs seed observations – Comments on Port Monitor MIB added but need to be more brief and clear

➢ Recent issues with Printer MIB V2 noted. They should be added to page.

MIB Errata WIKI

❖ **Printer MIB Comments**

➢ Printer MIB V2 (RFC3805) has been out for 8 years

➢ Although issues have been noted anecdotally, no clear compilation has been published and no errata are on the RFC Errata page

➢ A recent observation is that prtChannelInformation uses CR alone as terminator (?)

❖ **Printer Port Monitor (PPM) MIB Comments**

➢ PWG Candidate Standard at:
ftp://ftp.pwg.org/pub/pwg/candidates/cs-pmpportmib10-20051025-5107.1.pdf

➢ Although widely implemented, some inconsistencies have been observed

➢ Issues once reported have been posted, but validity and resolution is unclear.

➢ Consider, clarify and clean-up PPM comments on
http://pwg-wiki.wikispaces.com/MIB+Errata

Printer Port Monitor Issues

1. In Relationships to other MIBs, use of "MAY" is unclear
2. PPM MIB definition should indicate that the use of common values for like elements in all supported MIBs is mandatory.
3. Meaning of defining the value of an PPM object as "zero if not specified" should be clarified
4. PPM MIB defines the 'ppmPrinterSnmpStatusQueryEnabled' object, to enable or disable SNMP status queries by port monitor applications, suggesting that MIB allows the value of this object to be set.
5. Should make clear whether 'ppmGeneralNumberOfPorts' and 'ppmPrinterNumberOfPorts' requires listing all ALL ports
6. Clarification of what and how ports are to be listed in ppmPortServiceNameOrURI

Additional MFD Management Elements

❖ Status

➢ An investigatory effort was started to identify management elements typical of Printers and MFDs that may not already be included in the PWG Semantic and/or may not be specifically identified in the standard MIBS associated with Printers and MFDs.

➢ The list is at ftp://ftp.pwg.org/pub/pwg/wims/white/Management_elements-20120530.pdf

➢ Corrections and additions must be made to this list, as well as identification of suggested MIB or other method of determining element value

❖ Intent

➢ It is NOT the intention of WIMS/PMP to develop specific MIBS or other management structures to address these elements. Rather, we will request that those elements which are considered typical for management of MFDS be added to the Semantic Model (SM).

➢ Presumably, these elements would be added as "Status" elements, accessible as read-only elements and not subject to the element value *Set* operations of the SM. This is because of the interrelations between the values of different elements and the difficulties in setting the value of one element at a time. The SM group would consider separate "First-Class" operations for setting values.

PWG Power MIB/ IETF EMAN Activities Relationship

❖ Background

➢ Definition of the PWG Power Model, of which the Power MIB is an SMNP binding, was started in May, 2009.

- The intent was to develop a standard approach for _power management_ of Imaging Systems supporting cost saving and environmental impact efforts.

- No new protocols were to be defined and Power States were to be a subset of those already defined by ACPI and DMTF/CIM.

- The effort culminated with PWG approved candidate standards in February 2011

➢ The IETF EMAN effort was started in September 2010.

- It is concerned with _power and energy monitoring of_ energy-aware networks and devices, among other things.

- Although charged with developing several RFCs and MIBs, none has yet passed the state of Internet Draft.

➢ There is some confusion on the degree of overlap between these two efforts

Next Steps

- ❖ MIB Errata Page
  - ➢ Add comments, clarifications
  - ➢ Publicize
- ❖ Additional Management Elements to be identified in Semantic Model
  - ➢ More Elements
  - ➢ Review of Lists
  - ➢ Defining these elements for incorporation into SM
- ❖ PWG Power MIB/ IETF EMAN Activities
  - ➢ Put up white paper and review
- ❖ CIM Printer Profile?

Wrapup

❖ Comment and Questions?

❖ New Action Items

❖ Next Conference Call: 1PM EDT, 21 June 2012