



WIMS F2F Meeting

# Workgroup for Imaging Management Solutions (WIMS/PMP)

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April 26, 2012

Cupertino, 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
3:30 – 3:45	Introduction and Administrative Issues Intellectual Property Policy Statement Identify Minute Taker Introduce Participants Consider Agenda Acceptance of Previous Minutes ( <a href="ftp://ftp.pwg.org/pub/pwg/wims/minutes/wimslastphone.pdf">ftp://ftp.pwg.org/pub/pwg/wims/minutes/wimslastphone.pdf</a> )
3:45 – 4:45	Status/Action Items Review MFD Alerts Document Power MIB Interop Test PWG Power MIB/ IETF EMAN Activities Relationship MIB Errata Page Identification of Hardcopy Device Management Elements Not Currently in Semantic Model
4:45 – 5:00	Next Steps

# Officers

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## ❖ 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

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## ❖ Background

- Allows support of Multifunction Device status and alert reporting using Printer MIB Alerts mechanism and/or IPP “printer-state-reasons” and “printer-alert” attributes
- Update and completion of “Printer MIB Alert Table Groups Extension for Multi-Function Devices” document from 2007
- Formalizes and expands upon existing practice in several printers

## ❖ Status

- Completed PWG Last Call (Last Call resolution at <ftp://ftp.pwg.org/pub/pwg/pmp/wd/mfdalerts-last-call-comment-resolution-20120415.txt>)
- Updated Redlined draft at <ftp://ftp.pwg.org/pub/pwg/pmp/wd/lcrc-pmpmfdalerts10-20120415-rev.pdf>
- Review resolution and prepare for PWG Vote

# Status/Action Items Review

## Power MIB Interop Test

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### ❖ Background

- Approved as PWG Candidate Standard 5106.5-2011 - PWG Imaging System Power MIB v1.0
- Per Charter, effort to include interoperability test

### ❖ Status

- 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

### ❖ Responses and proposed adjustment

- Responses have not been sufficient to satisfy Interop objective
- Solicitation of MIB Walk records will remain open indefinitely
- Potential of Michael Sweet running tests on devices in Apple Labs.

# PWG Power MIB/ IETF EMAN Activities Relationship

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## ❖ Background

- Definition of the PWG Power Model, of which the Power MIB is an SNMP 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

# Status/Action Items Review

## MIB Errata WIKI

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### ❖ 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
- Need more comments, observations, questions
- Need to be publicized so that both manager and agent developers/users know about it.



# Status/Action Items Review

## Additional MFD Management Elements



### ❖ Background

- As part of CWMP BOF effort, a proxy is being developed to access necessary management information via SNMP or IPP. However, it was noted that many of the management elements needed to set up and configure (or just to determine the configuration of) a printer or MFD are not accessible via standard MIBs or IPP.
- The additional management elements are typically accessed via private MIBs, internal web servers, and/or an operator control panel.
- It was realized that this was not only a CWMP problem, but reflected a configuration information hole in the PWG Semantic Model that will affect the consistency of how such management elements are handled as new management methods are incorporated (especially DMTF/CIM and the Web Services approach to service and device management.)

# Status/Action Items Review

## 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 initial list has been added to and is posted at [ftp://ftp.pwg.org/pub/pwg/wims/white/Management\\_elements-20120420.pdf](ftp://ftp.pwg.org/pub/pwg/wims/white/Management_elements-20120420.pdf)
- However, significantly more contributions must be made to this list if it is to become reasonably complete

### ❖ 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.

# Next Steps

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- ❖ PWG Power MIB Interop
  - Publicize?
- ❖ MFD Alerts
  - Put up for Vote
- ❖ PWG Power MIB/ IETF EMAN Activities
  - Put up white paper and review
- ❖ 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
- ❖ Next Project?

# Wrapup

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- ❖ Comment and Questions?
- ❖ New Action Items
- ❖ Next Conference Call: 1PM EDT, 24 May 2012