

# **Web-based Imaging Management System Working Group**

**Printer Working Group  
Face-to-Face Meeting  
December 4, 2008  
Irvine, CA**

# WIMS WG Agenda

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- 13:00 – 13:10 Introduction
- 13:10 – 14:10 Proxy CIM Provider Prototype
- 14:10 – 14:25 Break
- 14:25 – 15:25 Future Projects/Potential MIB Activity
- 15:25 – 15:30 Wrapup

# Initial Details

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- Intellectual Properties Policy Statement

**This meeting is being held in accord with the PWG Intellectual Properties Policy.**

- Identify Minute Taker
- Agenda modifications
- Acceptance of Previous Minutes
  - F-2-F: <ftp://ftp.pwg.org/pub/pwg/wims/minutes/08OCT-Lexington-WIMS-CIM-face-to-face.pdf>
  - ConCall: [ftp://ftp.pwg.org/pub/pwg/wims/minutes/cim\\_081117.pdf](ftp://ftp.pwg.org/pub/pwg/wims/minutes/cim_081117.pdf)

# Dell CIM Provider Prototype

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- An SNMP to CIM Provider is being prototyped by Rick Landau. The primary purposes of this prototype are to:
  - Validate the updated Printer CIM Schema.
  - Provide one implementation of the CIM Schema to help advance the new elements from the experimental state.
- Rick >>

# Future Projects - Objectives

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- Evangelizing and perhaps sponsoring development activities for Web Service Management of Printers
  - Default consensus is to restrict our WS specific activities to creating CIM schema.
- Develop standardized management elements for MFD's.
  - Suggestion that existence of a standard will encourage implementation of the standard (in addition to proprietary).
  - Path to standard WS management elements may start with standard SNMP MIBs.

# Futures Discussion – PMP WG

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- No new leadership has emerged for PWG MIB WG (PMP). WIMS will assume PMP responsibilities.
- What form should be taken?
  - Keep PMP as separate WG?
  - Run two WGs in parallel?
  - Merge two WG into one hardcopy device management WG?
- Depends on level of PMP type activities

# Futures Discussion – PMP Projects

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- **Update and Publicize Printer MIB FAQ**

- Current FAQ is out of date and hidden
- Most of us are aware of implementation eccentricities
- Users and Fleet Management Agencies both need to understand some of these variations, and should have some place to voice their questions.

- **Printer Port Monitor MIB**

- update spec
- interoperability testing ?
- advance PPM to PWG standard ?

- **MDF MIB or MIB extensions?**

- Many attempts, of varying completeness, started in the past but were not complete
- MFD group is addressing service semantics; need to address management elements

- **Power Management objects “Green” Issue.**

- What elements? Existing private MIB/CIM Mapping?
- New MIB or Augmentation/Extension of existing MIB?

# Previous MFD Management Initiatives



- Network Scanner MIB – 2000 version based on Printer MIB from MFPA – Never completed or seriously reviewed  
<ftp://ftp.pwg.org/pub/pwg/pmp/contributions/Scanmib8.txt>
- Ira's initial Cut at an MFP MIB – 2004 – Considered too ambitious at the time. Some elements made it into Counter MIB and Printer Schema 2  
<ftp://ftp.pwg.org/pub/pwg/wims/mibs/imaging-system-mib-20040310.mib>
- Xerox 2006 Approach to changing HR MIB, Printer MIB to accommodate MFD Alerts – Dropped in favor of MIB Alert Table Groups Extension  
<ftp://ftp.pwg.org/pub/pwg/pmp/contributions/Xerox-Proposed-MFD-changes-for-Printer-related-RFCs-v2.pdf>
- PWG Printer for Multi-Function Devices, March 2007  
<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-mfp-alert-groups10-20070313.pdf>
  - enums-only extension to Printer MIB for scan, fax, etc., MFD alerts in existing prtAlertTable
  - Rationale:<ftp://ftp.pwg.org/pub/pwg/pmp/contributions/Rationale-for-MFD-Alert-Table-Extensions.pdf>
  - Status:ready for prototype - technically complete



# Futures Discussion –CIM

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- Print Services CIM Schema - In progress
- Printer Profile – Expose elements from networked printer MIB-II elements in CIM “networked Computer System” approach; also basis for the basic computing device in MFP
- Expansion to MFPs awaits establishment and implementation of standard MFP management elements

# PMP WG/WIMS-CIM WG

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- What form should combination take?
  - Keep PMP as separate WG?
    - ❖ Keep separate Names, Mail lists, FTP directories, Web Pages
    - ❖ Have separate meetings conference calls (when meetings are necessary)
  - Run two WGs in parallel?
    - ❖ Keep separate Names, Mail lists, FTP directories, Web Pages
    - ❖ Address MIB issues (when necessary) during WIMS meetings
    - ❖ Copy WIMS minutes to PMP directory/list when PMP topics discussed.
  - Merge two WG into one hardcopy device management WG?
    - ❖ Name? WIMS/PMP, WIMS, PMP, HCDM ?
    - ❖ Consideration of PMP role as identified printer MIB reference

# Wrapup

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- Summary of Conclusions
- Schedule Estimates
- Action Items

Thanks for your participation!