

Workgroup for Imaging Management Solutions

Workgroup Session

Printer Working Group/WIMS
Face-to-Face Meeting

April 6, 2010
Camas, Washington

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

WIMS Agenda



- 1:15 – 1:30 Startup and Introduction
 - Intellectual Property Statement
 - Identify Minute Taker
 - Introduce Participants
 - Acceptance of Previous Minutes (WIMS_100209, WIMS_100329)
 - Consider Agenda
- 1:30 – 2:45 MPSA Liaison Discussion
- 2:45 – 3:00 Action Items Status
- 3:00 – 3:15 Break
- 3:15 – 4:15 IEEE 1284 Device ID Command Set Format - PWG Last Call Comments Resolution
- 4:15 – 4:45 Imaging Power Management
- 4:45 – 5:00 New Action Items & Wrap-up

MPSA Liaison Discussion - WIMS/PMP Effectiveness



- The PWG is chartered to make printers, multi-function devices, and the applications and operating systems supporting them work together better
- In considering device and service management, we have often conjured up use cases without substantive input from the user community.
- Sometimes, it appears that standards we have put so much effort into developing are not understood, not used, or not even known of by those for whom they were intended.
- It is not always clear to manufacturers that the provisions of the standards we produce are desired by their customers or, in other cases, are adequate.

The Managed Print Services Association is a new organization that includes in its membership end users and those supplying the management applications that the ultimate customers use to monitor, manage and maintain their hardcopy services.

- Evolved out of the 2009 Photizo Managed Print Services convention at San Antonio
- Board and membership include end users, device manufacturers, resellers, imaging service providers and supporting maintenance and monitoring software companies, consultants
- Membership is open and was (until 31 March) free. It is presently approaching 1000 members
- Website is <http://yourmpsa.org/>. This (very extensive) site includes the association charter, which states the Objectives and Goals of the association.

MPSA Goals



- Define and share common end-user problems in office print environments via vendor-neutral research, documentation and marketing
- Develop and Set compatible hardware and software standards for MPS industry
- Develop and Set Best Practices for MPS industry (Plan, analysis, design, implementation, support)
- Develop and Maintain MPSA certification process and guidelines for different categories of MPS industry. (Hardware, Software, Infrastructure, Dealer, Service Providers)

MPSA Board



Last Updated on Tuesday, 19 January 2010 19:22

- The Managed Print Services Association President, Jim Fitzgerald, has noted that education of its members is an important component of the MPSA mission and further suggested that the MPSA could use:
 - focus groups,
 - surveys,
 - “best practice” reportsand other means to provide the PWG with information on what is important and what user priorities are with respect to device management
- An active interchange between the PWG and the MPSA to provide better communication among the standards writers, manufacturers, management software providers and their mutual customers should be beneficial to all parties.

MPSA Liaison – Information Exchange



- User information potentially applicable to standards development includes:
 - desired scenario (what users would like to be able to do on information they would like to have)
 - longer term environment (anticipated changes in networking, managing modes, methods of use)
 - problems with current implementations and standards (what does not work well).
- Users may find it useful to:
 - know what existing standards exist to address their requirements
 - be able to determine what products support these standards
- An active interchange between the PWG and the MPSA to provide better communication among the standards writers, manufacturers, management software providers and their mutual customers should be beneficial to all parties.

- An example of specific immediate areas of interest to PWG are in the Imaging Power Management Model and MIB. Considering the Scenarios and Requirements in the Model document:
 - Are these realistic use cases?
 - Are there other use cases that should be addressed?
 - Prioritize requirements!
- When new standards are being developed in a particular area, what would be the effective mechanisms for informing MPSA membership of the efforts and soliciting specific use case and priority information?
- Can the MPSA extract from their ongoing activities an identification of problem areas and new circumstances for which standardization document would be helpful?

- There are longer term questions for users that affect device management (as well as other aspects).
 - Security issues with Imaging Device Maintenance
 - Remote access issues
 - Actual demand for /understanding of SNMPV3
 - Phase-over to management by Web-Services rather than SNMP
 - IPv6/IPSec issues
- There are longer term questions for users that affect work in other PWG workgroups. With respect to NAC for example:
 - Need for Imaging Device Network Access Control compatibility?
 - Which NAC system?
 - When?
 - What attributes?
 - Is SCCM approach worthwhile for interim?
- Other Questions?

MPSA Liaison - Mechanisms



- Mutual Activity and Status Updates
 - Reports at Meetings?
 - Update page for each on the other's Website?
- Request for Information
 - Email request to designated representative in opposite organization?
 - Match-up PWG WorkGroups with corresponding MPSA Committees for continuing communication?
- Unsolicited Observations and Suggestions
 - Linked-in MPS group?
 - Set up PWG Wiki page so MPSA members can enter comments?
- Other Ideas?
- Next Steps - Action Items!

Action Item Review



- query relative to additions to PrtInterpreterLangFamilyTC
 - No significant additions requested
 - No Objection to addition of JDF, JMF and PPML
 - Question on usefulness of adding entries for separate versions of languages already listed
 - Resolution – Action?
- PWG last call for Device ID "COMMAND SET" PWG spec (done)
- complete CR for Printer Classes and submit to CIM (done)
- review Print Service related MOFs, generate CRs, and submit to CIM (open: Rick L and Ira M)
- Power Management documents issues (Ira M - Ongoing)

Command Set Format for IEEE 1284 Device ID



- The current “stable” version is
<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmp1284cmdset10-20100125.pdf> (Update?)
- This document completed PWG Last call.
- There have been no additional last call comments beyond those identified in the February meeting.
 - Incorrect link on line 111 and alternate link preferred on line 116
 - Specification does not provide for distinguishing PDL “emulations” from base PDL
 - Specification does not provide for distinguishing different versions of PDL
- Last Call Comments Resolution: (Ira)

Imaging Power Management Spec



- The current “prototype” version of the Power Management Model for Imaging Systems 1.0 Document is posted at:
<ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspower10-20100202.pdf>
- Items raised included:
 - clarification of Operational vs Power states (although relationship between states has been defined as implementation dependent)
 - stable states resulting from requests for transitory states
 - reporting of transition states (e.g., startup between off-soft and on); assumed to be of no interest
 - Defining “flea-power” (presumably some low power consumption level) and “mechanical unplug” (presumably no power consumption at all, although perhaps solid state switches could be used) further; not possible because existing implementations vary, although a “best practices” section could be generated
- Any Updates?
- Any Comments or Questions?

Imaging Power Management MIB and MIB spec.



- The MIB is a binding of the Power Management Model for Imaging Systems Document. An ASN.1 version is posted at <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20100108.mib>
- A MIB Spec is posted at:
<ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20100202.mib>
- Any Updates?
- Any Comments or Questions?

Schedule for Power Management Documents



➤ Power Management Model

- Stable draft – Concurrent with the Power MIB Stable Draft – for PWG Last Call

➤ Power Management MIB

- Initial draft – Current – ASN.1 only
- Complete text (MS Word) – Current
- Prototype Drafts – Current
- Stable Draft – after prototype implementation and report (after Mid Year 2010)

Wrapup



- Summary of Conclusions
- Schedule Estimates
- Action Items

- Next WIMS Conference Call:
2 PM EDT 19 April 2010

Thanks for your participation!