

WIMS Working Group

2009-12-8 Face-to-Face Meeting Minutes

1. Attendees

Lee Farrell	Canon
Jacob Brown	Dell
Rick Landau	Dell
Jody Steele	Dell
Glen Petrie*	Epson
Ira McDonald*	High North
Jerry Thrasher	Lexmark
Nancy Chen	Oki Data
Joe Murdock	Sharp
Bill Wagner	TIC
Pete Zehler*	Xerox

* via telephone

2. Agenda

On Tuesday afternoon, Bill Wagner led the Workgroup for Imaging Management Solutions (WIMS) Working Group meeting. He provided the planned agenda:

- Startup and Introduction
 - * Intellectual Property Statement
 - * Identify Minute Taker
 - * Introduce Participants
 - * Consider Agenda
- Action Items Review
 - * IANA Printer and Finisher MIB additions - Completed
 - * CIM Printer and Print Service MOFs and Change Requests
 - * PPM Device Id Command Set
- Device Id Command Set
- Imaging Power Management MIB
- Imaging Power Management Spec
- New Action Items & Wrap-up

3. Minutes Taker

Lee Farrell

4. PWG Operational Policy

It was noted that all attendees should be aware that the meeting is conducted under the PWG Membership and Intellectual Property rules. There were no objections.

5. Action Items Review

5.1 IANA Printer and Finisher MIB additions – Completed

Bill noted that the following enumerated names/values have been added to the Printer MIB for PrtInterpreterLangFamilyTC for XPS Language:

```
langXPS(66),      --Not in RFC 3805
                  --Microsoft XML Paper Specification
                  --http://www.microsoft.com/whdc/xps/xpsspec
langOpenXPS(67)  --Not in RFC 3805
                  --ECMA OpenXPS
                  --http://www.ecma-international.org/
                  --publications/standards/Ecma-388.htm
```

The exact text for this update is archived at: <ftp://ftp.pwg.org/pub/pwg/pmp/iana/langxps-20091102.txt>.

He also noted that the plasticMultiRing FinBindingTypeTC has been added to the Finisher MIB:

```
plasticMultiRing(12)
```

Both items have been registered by IANA.

5.2 CIM Printer and Print Service MOFs and Change Requests

Bill explained that new DMTF MOFs have been generated to achieve the following:

- address minor errors noted in the basic CIM Printer classes as a result of the CIM Provider exercise
- deprecate elements that appear elsewhere in the restructuring
- reference new IANA MIB enumerations

The MOFs affected are posted at <ftp://ftp.pwg.org/pub/pwg/wims/cim/mofinput/ira-20091130.zip>, and they include:

- CIM_Printer.mof / pdf (editorial fixups and deprecations)
- CIM_PrintChannel.mof / pdf (add new enums from IANA Printer MIB)
- CIM_PrintInputTray.mof / pdf (delete duplicate property)
- CIM_PrintInterpreter.mof / pdf (add new enums from IANA Printer MIB)

These are in addition to the Print Service MOFs that were done previously:

- CIM_PrintJob.mof
- CIM_PrintService.mof
- CIM_PrintServiceCapabilities.mof
- CIM_PrintServiceSettings.mof

Some of the Print Service MOFs recently posted need update to reflect recent IANA MIB additions.

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CIM Change Requests are needed for all new and changed MOFs

- New and Revised items in the CIM Print Service classes
- Update of the CIM Printer Class to reflect recent changes and to deprecate elements now included under Print Services

Ira hopes to complete the MOFs in [early?] 2010.

Rick Landau observed that acceptance of changes for CIM v2.24 was closed. Any Printer-related changes would be introduced in version 2.25 (or later.)

- The DMTF is requiring use of a new interactive change tool for changes to 2.25 and later. Although it might make creation of CRs easier, Ira notes that it was one more tool to learn
- Rick will take on learning the tool and creating the change requests reflecting upon Ira's updated MOFs.

Rick Landau said that the new update tool used by the DMTF is useful, but could benefit by a few improvements and/or changes.

Bill said that PrintQueue, PrintSAP, and other small classes still need to be modified.

Rick believes that the Printer Classes will be finished in January.

5.3 PPM Device ID Command Set

Ira McDonald has posted an updated (Nov 30) version with agreed-to changes from the October meeting. [<ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmp1284cmdset10-20091130.pdf>]

Bill explained that this document is of "Prototype" status. Much of what is in this document has already been implemented. By a review of an implementation and this latest draft at this meeting, the document can be put into WIMS WG Last Call, with the objective of resolving any working group issues by mid-January.

The document can then be offered for PWG-wide Last Call, intended to continue through the February 2010 Plenary.

Balloting for advancement to PWG Candidate Standard should be complete by the April 2010 meetings.

Ira gave a brief review of the changes in the latest draft of the Device ID Command Set document.

It was noted that conforming implementations of this specification SHOULD use IANA Printer MIB Interpreter Types (primary) or MIME Media Types (secondary) instead of private types, for interoperability.

Ira explained that the ABNF rules were modified to refine the interpreter-type and mime-media-type definitions to eliminate white space. Ira did not include vertical tab characters, but asked people to consider whether it should be allowed.

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Bill reminded everyone that final comments would be appreciated, so that the group can move forward on the approval process for the document.

6. Imaging Power Management MIB

Bill explained that the MIB is a binding of the Power Management Model for Imaging Systems document.

Ira McDonald led a review of the Power MIB content, and asked for comments.

There was a question raised about the term “flea power”—and its interpretation or implied behavior.

It was suggested that the normative behavior of the [power] states will be discussed further during the review of the Power Management specification.

NOTE to Editor: There is a misspelling of “Thursday”—both in this document and in the Model document.

NOTE to Editor: Change “Weekday” to “Day of Week”—both in this document and in the Model document.

NOTE to Editor: Change “none” to “any” (under calendar type only)—both in this document and in the Model document.

There was a question raised about `powSupportCanUseInterfaces`, as to whether local interfaces are also applicable. Some people suggested that the Power Model only applies to network-connected devices, not free-standing local devices.

It was pointed out that the `CalendarHour` is 0-23. [NOTE: This should be checked for consistency with the MFD schema.]

NOTE to Editor: Change the description of `CalendarHour` to explain that there is *no* value for “none” (or “any”), and explain that the value of 0 represents midnight.

7. Imaging Power Management Specification

Bill Wagner provided some background information:

- The Power Management Model for Imaging Systems 1.0 document has been reviewed with a version posted at: <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspower10-20091204.pdf>
- This document is of “Prototype” status. Because the document defines a model, inherently an abstraction of an actual protocol or process, prototype implementation consists of defining and implementing a binding to an actual protocol.
- The provisions of the document are being implemented in the Imaging System Power MIB. Things learned in the MIB binding may be used to correct, clarify or improve the Power Model.
- When that MIB is implemented and exercised over SNMP, both the MIB and the Model documents can be considered stable and may be subjected to PWG last call and balloting.

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It was suggested that the text in the Use Cases should be changed to be consistent with power state names.

8. Proposal for Power Counter Group

Ira McDonald explained that Samsung has indicated that they would like a “Power Meter” and/or general power usage tracking capability. Although no specific Use Cases have been identified, it is felt that these items might be useful for field support and/or fleet management diagnostics.

In response, Ira generated a proposal for several counter elements that would keep track of power state transitions and entries into particular power states.

Ira led a review of the document: <ftp://ftp.pwg.org/pub/pwg/wims/white/Power-Counter-Proposal-20091206.htm>

It was suggested that the proposed objects be split into two Groups—one for counters that don’t require additional hardware, and one for gauges and counters that do require meters or measurement sensors.

It was suggested that CurrentActualWatts should be defined as a running average over a specified time duration. Other opinions suggested that the running average might not be necessary, but only consumption at the time of query.

PeakActualWatts was also suggested as a potentially useful object, but later the group decided against it.

After some discussion of the objects—and their speculated usage, the group agreed that specific Use Cases would be very useful in terms of determining the benefit and/or sufficiency of the proposed objects.

For the purposes of billing reports, Ira indicated that MonthlyKilowattHours (which is perhaps better named PreviousMonthKWH, or something similar?) is critical.

At the end of the review, the group was encouraged to consider the benefit and applicability of the proposed objects. An updated version of the document will be issued to reflect the comments and agreements reached.

9. Schedule

Bill presented a revised schedule for Power Management documents:

- Power Management Model
 - * Prototype draft – Current
 - Although more use cases were solicited, none were forthcoming
 - * Energy Groups to be better documented and then added
 - mid January
 - * Stable draft – Concurrent with the Power MIB Stable Draft
 - for PWG Last Call

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- Power Management MIB
 - * Initial draft – Current – ASN.1 only
 - * Complete text (MS Word) – now
 - * Prototype Draft – February 2010
 - * Prototype Report – April 2010
 - * Stable Draft – May 2010 for PWG Last Call

10. Next Teleconference

The next teleconference will be held on December 14, and then January 11.

WIMS meeting adjourned.