Workgroup for Imaging Management Solutions

Workgroup Session

Printer Working Group/WIMS Face-to-Face Meeting

December 8, 2009
Dell – Austin, Texas

Intellectual Properties Policy Statement

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
  - ➢ Consider Agenda
- 1:30 – 2:00   Action Items Review
  - ➢ IANA Printer and Finisher MIB additions - Completed
  - ➢ CIM Printer and Print Service MOFs and Change Requests
  - ➢ PPM Device Id Command Set
- 2:00 – 2:45   Device Id Command Set
- 2:45 – 3:00   Break
- 3:00 – 4:00   Imaging Power Management MIB
- 4:00 – 4:45   Imaging Power Management Spec
- 4:45 – 5:00   New Action Items & Wrap-up

XPS Language Addition to IANA Printer MIB

- Update: IANA Printer MIB http://www.iana.org/assignments/ianaprinter-mib
- Permanent enumerated name/value added to PrtInterpreterLangFamilyTC after
  . langC4(65):

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 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
Description :
 Proposed by Mike Fenelon (Microsoft) and Peter Zehler (Xerox).
 Reviewed by email discussion on Printer MIB WG mailing list.
 Approved by Ira McDonald (IETF Designated Expert for IANA Printer MIB).
Additional Info :
 IANA Printer MIB originally published in RFC 3805.
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- Exact text for this update is archived at:

  ftp://ftp.pwg.org/pub/pwg/pmp/iana/langxps-20091102.txt

plasticMultiRing FinBindingTypeTC Addition to IANA Finisher MIB

- Update: IANA Finisher MIB http://www.iana.org/assignments/ianafinisher-mib
- Permanent enumerated name/value added to FinBindingTypeTC after padding(11):

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        plasticMultiRing(12)
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Description :
Proposed by Harry Lewis (InfoPrint Solutions Company).
Reviewed by email discussion on Finisher MIB WG mailing list.
Approved by Ira McDonald (IETF Designated Expert for IANA Finisher MIB).

Additional Info :
IANA Finisher MIB originally published in RFC 3806.
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CIM Printer and Print Service MOFs

- ➢ New DMTF MOFs have been generated to:
  - 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
- ➢ MOFs affected are posted at

  ftp://ftp.pwg.org/pub/pwg/wims/cim/mofinput/ira-20091130.zip

  and 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 done previously
  - CIM_PrintJob.mof
  - CIM_PrintService.mof
  - CIM_PrintServiceCapabilities.mof
  - CIM_PrintServiceSettings.mof
- ➢ Still to be tweaked are PrintQueue, PrintSAP, and other small classes.

CIM Printer and Print Service CRs

- Some of the Print Service MOFs recently posted need update to reflect recent IANA MIB additions.
- 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 todeprecate elements now included under Print Services.
- Rick Landau observed that acceptance of changes for CIM 2.24 were closed. Any Printer-related changes would come under no version earlier than 2.25
  - 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.
- Update on activity related to CIM Provider initiative.

Command Set Format for IEEE 1284 Device ID

- We extensively reviewed this document at the last face-to-face.
- Ira has posted a new version, with agreed-to changes, at
  ftp://ftp.pwg.org/pub/pwg/pmp/wd/wd-pmp1284cmdset10-20091130.pdf
- 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 Last Call, with the objective of resolving any working group issues by mid-January.
- The document can then be offered for PWG Last Call, intended to continue though the February 2010 Plenary
- Balloting for advancement to PWG Candidate Standard should be complete by the April 2010 meetings.

Imaging Power Management MIB

- ➢ 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-wimspowermib10-20091204.mib
- ➢ A Spec version is posted at:
  ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20091204.pdf
- ➢ Ira has also posted a proposed additional Power Counter group
  ftp://ftp.pwg.org/pub/pwg/wims/white/Power-Counter-Proposal-20091206.htm
- ➢ The MIB compiles correctly on several compilers, but it would be helpful to have as wide an exposure as possible, so please try it with your compiler.
- ➢ Generating the MIB binding also acts to exercise the provisions of the Power Management Model, potentially exposing issues of clarity and consistency in that document.
- >> Run through (Ira)
- ➢ Questions and comments?

Imaging Power Management Spec

➤ 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.

>>Run Through (Ira).

Revised Schedule for Power Management Documents

➤ Power Management Model
- Prototype draft – Current
  - Although more use cases were solicited, none were forthcoming
- 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) –January 2010
- Prototype Draft – February 2010
- Stable Draft – after prototype implementation and report

Wrapup

- Summary of Conclusions
- Schedule Estimates
- Action Items

- Next WIMS Conference Call:
    2 PM ET 14 December 2009
    2 PM ET 11 January 2010

Thanks for your participation!