

Web-based Imaging Management System WG

**Printer Working Group
Face-to-Face Meeting
9 July 2007**

9 July 2007

PWG WIMS Activity



Agenda

- **General WIMS (11:00-11:15)**
 - **Update of Charter**
- **Imaging State & Counter MIB (11:15 -11:45)**
 - **Rational behind expanded MIB**
 - **Differences from Counter MIB V1**
(Ira McDonald, High North)
- **DMTF Alliance Partner update (11:45-~12:00)**
 - **Alliance Partner Technical Symposium presentation**
(Craig Whittle, Sharp)
- **CIM Realignment – Progress (1:30-3)**
 - **Rick Landau, Dell; Ira McDonald, High North**

Web-based Imaging Management System WG Charter

9 July 2007

PWG WIMS Activity



Proposed Revised Charter

Objectives

The WIMS working group is concerned with the management of imaging services and devices via the Web. The Objectives are:

- Continuing support and update of the protocols and specifications produced by the working group, including:
- PWG Candidate Standard 5106.1-2007 - PWG Standardized Imaging System Counters
- PWG Candidate Standard 5106.2-2006 - Web-based Imaging Management Service
- PWG Imaging Counter MIB V1.0 (now Imaging System State and Counter MIB)
- Definition of new and the recasting of previously defined imaging device and service management elements into a web management compatible context.
- Continuing update and upgrade of the DMTF/CIM printing classes in anticipation of this forming the basis for imaging service and device management over the Web.

Milestones

The WIMS WG is engaged in a continuing effort. Current activities and projected schedules are posted on the

<http://pwg-wiki.wikispaces.com/WIMS> and
<http://pwg-wiki.wikispaces.com/WIMS-CIM> sites.

Officers

- Co-Chairs: [William Wagner](#) and [Craig Whittle](#)
- Secretary: [Harry Lewis](#),
- Editors: Rick Landau, Ira McDonald

Web-based Imaging Management System WG Imaging State & Counter MIB

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PWG WIMS Activity



Counter Spec and Counter MIBv2

- **Updated Counter Spec**
 - Approved in April
 - PWG Candidate Standard 5106.1-2007
- **Version 2 of Counter MIB expanded to Imaging State and Counter MIB**
 - Reflects addition to Counter Spec.
 - Supports monitoring of the counters and states of all imaging services and subunits independent of any other MIB (but coherent with Printer MIB, Finisher MIB, and Host Resources MIB).
 - Resolves the main problem of MFP alerts (ambiguity about which services are affected when a given subunit has a fault).
 - Addresses issues raised by those concerned with MFP; name change reflects broader scope
- **Why MIB?**
 - Immediate use. Samsung Prototyping effort.

Comments on Counter Spec

Jeremiah Wittevrongel, Print Audit

..I think the PWG standard for Imaging System Counters has great utility in the field, for all three of the use models discussed in section 3.2. In particular, the amount of granularity on the counters (like separating inbound and outbound faxes, and counting PSTN faxes separately from network-originated faxes. This type of information would be useful when doing assessments and determining device usage patterns and identifying workflow / process improvements in businesses. With our current assessment products we can get a very rich set of data for print jobs, and some reasonable data for non-print processes (copying, faxing, etc.). Many networked printers do not support anything even approaching the level of detail described in the PWG standard, which makes assessment using the data more difficult and requires more assumptions or outright guesswork.

The other part of the PWG standard that is really interesting to me is the standardization of Availability measures. Right now we can build a crude approximation of some of these measures with our current technology, but this would make it very easy to report these measures with far greater accuracy. I'm not sure how many of our customers would make use of this information, but with the current trend of outsourcing IT wherever possible, customers will appreciate the ability to hold vendors accountable for agreed-to service levels without a lot of effort.

Imaging State & Counter MIB

- **Version 2 of Counter MIB**
 - Ira posted current Version 2
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscountmib20-20070601.zip>

DMTF Alliance Partner Update

- The PWG is an Alliance Partner with DMTF
- Alliance Partner Technical Symposium in Portland, OR on July 18th.
- Craig Whittle will represent PWG
 - Review material for one hour slot presenting updated status on our work register (CIM Realignment).

Web-based Imaging Management System WG CIM Printer Realignment

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PWG WIMS Activity



Review of Background

- Since DMTF CIM appeared to be the common path for modeling things for Web Services management, an PWG aligned CIM printer/printing model appeared desirable
- Therefore, an agreement was made with DMTF/CIM to align the CIM Printer MOF with the PWG printer device management model.
 - The PWG obligations under this agreement were met under Phase 1 of the PWG/WIMS/CIM effort.
 - The WG has gone on to phases 2 and 3 of the effort, to update and bring management coverage up to a reasonable level, but there have been unexpected difficulties in accommodating DMTF/CIM requirements.
 - However, the WG has concluded that expanding the MOFs to provide more complete modeling is a necessary step in preparation for Management by Web Services

Review of Background

- **Continuing Phases 2 and 3 of the CIM Realignment Activity**
 - Fix definitions of ambiguous properties, deprecate non-interoperable properties; move properties to correct parent class
 - Add needed management items that are available through existing printer management methods (e.g., MIBs & IPP)

Approved and Incorporated Changes

CIMCoreCR00829	Editorial changes, CIM_Printer	v2.13
CIMCoreCR00855	Editorial changes, CIM_OwningPrintQueue	v2.14
CIMCoreCR00856	Editorial changes, CIM_PrintJobadopted	v2.14
CIMCoreCR00857	Editorial changes, CIM_PrintQueueadopted	v2.14
CIMCoreCR00858	Editorial changes, CIM_PrintSAPadopted	v2.14
CIMCoreCR00859	Editorial changes, CIM_PrintServiceadopted	v2.14
CIMCoreCR00860	Editorial changes, CIM_QueueForPrintService	v2.14
CIMCoreCR00901	Add class CIM_PrintOutputTray	v2.16

CR's in Ballot or Revision

CIMCoreCR00930	Add class CIM_PrintInputTray
CIMCore00945	Add class CIM_PrintMarkerBeing
CIMCore00946	Add class CIM_PrintSupplyBeing
CIMCore00947	Add class CIM_AssociatedPrintSupply

Next Areas being addressed

Add class CIM_PrintAlertLognext

Add class CIM_PrintAlertRecordnext

CIM Realignment Activities Since last F2F

- Turn over to Rick Landau