

# PWG WIMS CIM Alignment

## Longmont Face-to-Face Minutes

### June 25, 2008

Craig Whittle - PWG WIMS/CIM Co-chair

#### Attendees

Bill Wagner	Konica-Minolta	Sha Bhatti	Samsung
Ira McDonald	High North	Glen Petrie	Epson
Rick Landau	Dell	Nancy Chen	Okidata
Pete Zehler	Xerox	Peter Cybuck	Sharp
Harry Lewis	IBM	Mike Fenelon	Microsoft
Lee Farrell	Canon	Dave Whitehead	Lexmark
Ron Bergman	Ricoh	Joe Murdock	Sharp
Jerry Thasher	Lexmark	Craig Whittle	Sharp
MPI Tech	Ole Skov	Ron Nevo	Sharp
Ron Bergman	Ricoh		

#### General Discussion

- ❖ Bill went over WIMS-CIM project status and plans including the most recent Visio diagrams for the counter classes (see <ftp://ftp.pwg.org/pub/pwg/wims/cim/PWG-F2F-200806-WIMS-CIM-WG-session-00.pdf>).
- ❖ An updated CIM version of the Counter MIB was posted by Ira (see <ftp://ftp.pwg.org/pub/pwg/wims/cim/mofinput/ira-20080615.zip>). Several issues were reviewed:
  - Mapping string length – how to deal with overflow
  - Base class includes config changes. Include?
    - Does not include state just configuration at the node in the tree.
    - Should include the most recent item that changed
  - Should there be a timestamp (TOD or counter) with the counters?
    - Not in MIB (new content)
    - Would need to update to Counter MIB and schema

- May implement as delta from SysUpTime
- ❖ Rick gave an update on the CIM\_Printer prototype
- ❖ MIB-CIM Converter for WS-MAN
  - MIB-CIM Provider (gateway)
    - Useful for legacy SNMP devices
  - MIB to MOF tools have limitations
  - The Dell prototype cannot be used
  - The MIB-CIM provider
    - Is a stronger enabler to new Web services management than a deterrent
    - Standardizes current vendor differences (in private MIBs) like click counts
    - Helps foster the transition strategy to WS-Management
    - Moves the standard printing classes in the MOF from experimental to final
    - Needs to be developed as an open source product
  - MIB-CIM provider business model
    - Is a seed for print industry or public community
    - Is core technology (no differentiation)
  - Straw Poll: Is there value in a SNMP proxy provider?
    - Yes: 9 companies
    - No: 0 companies
    - Abstain: 3
  - Options:
    - Open Printing FSG only deals with Open Source
  - Approaches:
    - Engineering contribution
    - Monetary contribution
    - FSF

- Work scope for MIB-CIM provider:
  - First: CIM Printer and Association Classes / subunits classes / alerts / finisher
  - Estimated 2,500 – 10,000 lines of code (Ira)
  - Table driven
  - Not an SDK
  - SNMPv1 / SNMPv2 (not v3)
  - CIM object packaging -- already in open source
  - Timeline (with mentoring) : 4 – 6 man months
  - JAVA / C++
  - Binaries prepackages for target OS – unlikely
    - RPM for RH or SuSE?
- License
  - MIT or better. Else link to more restrictive license
- Action items:
  - Get a feel for support from interested companies in supporting this effort
    - \$5 -10K
    - manpower
  - Can we find a sponsor (MS, IBM, Apple...) to help drive this?
  - Feedback from open print summit in July in Japan

## **Next Steps / Open Actions:**

- Harry will follow up with PWG membership invitations to printer management companies contacted by Bill.
- Jerry to add a note to the existing informational Counter MIB referring to the current revision activity.
- Pete to update media-used counters into new Semantic Model