

# PWG WIMS CIM Alignment

## Conference Call Minutes

August 11, 2005

Craig Whittle - PWG WIMS/CIM Co-chair

### Agenda

1. Acceptance of the last meeting's minutes:
2. Conclusion on discussion of the disposition of existing "current" CIM elements.
3. Continuing consideration of Ira's document <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscimprint10-20050728.htm>, (or any later document he might post)
4. Consideration of last week's questions:
  - Do we do to update the Semantic Model to reflect the WIMS/CIM changes?
  - How do we represent both physical and logical printer objects?
5. Next steps: tasks and assignments.

Meeting was called to order by Bill Wagner - PWG WIMS w/g Chairman at approximately 2 p.m. EDT. August 11, 2005.

### Attendees

Rick Landau	Dell
Harry Lewis	IBM
Ira McDonald	High North
Craig Whittle	Sharp
Bill Wagner	TIC
Lee Fowler	Canon
Pete Zehler	Xerox

### General Discussion

- Minutes accepted from last week
- Harry has not received an e-mail response to earlier messages sent to Steve German (HP CIM contributor) nor John Crandall (CIM core). Harry to send a follow-up e-mail.

- CurrentCharSet and CurrentNaturalLanguage should map to charset-configured and natural-language-configured in IPP. See also prtGeneralCurrentLocalization in Printer MIB.
- How much realignment visibility to we want to give to the Printer MIB, IPP, and Semantic Model? Do we fix the current problems and add the missing elements later? This should be discussed with representatives from CIM core.
- The CIM Printer should represent device (physical printer) and a separate class should define a CIM Print Service (logical printer). The appropriate elements need to be moved. Semantic model needs to clarify Print Device and Print Service.
- Semantic model and the CIM model should be harmonized. The two should be changed at the same time.

## Review of Rick's document

(see [ftp://ftp.pwg.org/pub/pwg/wims/cim/alignment\\_suggestions\\_RBL\\_20050810.pdf](ftp://ftp.pwg.org/pub/pwg/wims/cim/alignment_suggestions_RBL_20050810.pdf))

### Vague or Meaningless Properties

- There is a need to reevaluate the properties in the CIM\_Printer and or CIM\_PrintService class. Efforts should be made to move relevant elements to the appropriate CIM class.
- CIM has an unclear definition for paper orientation elements. Horizontal (X-feed) and Vertical (feed) resolutions (addressability) are ambiguous. The description clause for these elements should be updated to disambiguate meaning. Units should also be standardized.
- Consensus reached on CurrentXxxx properties (see e-mail thread)

### Errors in MappingStrings

- Ira may have caught most of these

### Improvements to Mapping Strings and ModelCorrespondences

- Rick will remove JobCountSinceLastReset comment from document.
- CIM\_Printer.DefaultPaperType change looks OK

- TimeOfLastReset needs to be calculated (provided you have a “wall clock”).

### **Read/Write**

- Need to modify descriptions of some CIM elements to allow them to be writable
- Writable elements in the Printer MIB / IPP should be carried over to CIM. Semantic Model does not specify read/write/modifiable attributes. IPP specifies required attributes for creation. This may also need to be carried forward as part of CIM realignment.

### **Mutable**

- Attributes should specify persistence and scope. CIM does not have a way to express this attribute. This is important for console operators to know what they can safely cache. Mutability should be specified in description clause. “Hot plugging” devices make this difficult.

### **Structural Suggestions**

- Add DefaultNumberUp to CIM\_PrintService

### **Next Steps**

- Harry to send e-mail to John Crandall (CIM core) and Steve German.
- Rick to modify document and read/write/modifiable/mutable objects?
- Ira will *try* and get another spin of his document before next week’s meeting. New attributes for the object will not be covered.
- Teleconference scheduled for next week.