

# Web-based Imaging Management System WG

**Printer Working Group  
Face-to-Face Meeting  
26 April 2007**

26 April 2007

PWG WIMS Activity



# Agenda

- **Counter Spec/ Counter MIB (11-12)**
  - **Counter Spec Call for Objections**
  - **Counter MIB V2 – General**
  - **Counter MIB V2 – Review (Ira McDonald, High North)**
- **CIM Realignment-Summary CIM (1:30-3)**
- **Realignment – Progress Details**
  - **Rick Landau, Dell; Ira McDonald, High North**

# Web-based Imaging Management System WG Counter Spec & MIB

26 April 2007

PWG WIMS Activity



# Current Activities

- **Counter Spec Update in Call for Objections**
  - Revised Draft posted and Call for Objections - 9 April
- **Version 2 of Counter MIB**
  - Reflects addition to Counter Spec.
  - Supports monitoring of the counters and state 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).
  - Counter MIB v2 is 100% backward compatible with Counter MIB v1 (all new objects have new compliance groups).

# Counter Spec Update

- **Counter Spec Update in Call for Objections**
  - a significant issue was identified with regard to the approved PWG Candidate Standard 5106.1-2005- PWG Standard for Imaging System Counters, commonly know as the "Counter Spec"
  - **Changes**
    - Page 8: added to definition of "Datastream", "...including associated job processing instructions (e.g., job ticket.)"
    - Page 11: Added definition of "Raw Traffic"
    - Page 12: Added definition of "Single-sided"
    - Page 28, Table 5.3.1:
      - Modified introductory paragraph
      - Modified definition of MediaUsed.MediaInfo
      - Added MediaUsed.MediaAccountingKey element to table

# Counter Spec Update

- **PWG Steering Committee Ruled**
  - **Because of the low impact changes, the revised standard does not need to go through a formal approval cycle by the PWG as a whole, but that the PWG should be presented with the opportunity to comment via a Call for Objections**
- **Are there any objections?**

# Counter MIB

- **Version 2 of Counter MIB**
  - Ira posted Version 2 of the Counter MIB
    - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscountmib20-20070331.mib>
      - ASN.1 only - compiles without warnings in Epilogue and SMICng
    - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscountmib20-20070331.pdf>
      - PDF - color-highlighted ASN.1 of MIB

# Counter MIB

- Counter MIB v2 is 100% backward compatible with Counter MIB v1 (all new objects have new compliance groups).
- Counter MIB v2 adds objects to three existing tables and adds one new table, so it must pass through the full PWG Process: Initial, Interim, Prototype, Stable, PWG Last Call, and PWG Formal Vote.
- We understand that there is an effort to prototype the Counter MIB. This would allow the MIB to proceed through the process to a Candidate Standard rather than just an informational document.
- **Detailed Discussion as desired (Ira)**



# Web-based Imaging Management System WG CIM Printer Realignment

26 April 2007

PWG WIMS Activity



# Review of CIM Relationship Background

- The PWG has long been concerned with maintaining a printer device and service management model that is consistent over the various protocols and applications that may be used for management.
- The management model for a printer device was formalized in the Printer MIBs. Aspects of device and service are also addressed in IPP and WIMS.

# Review of CIM Relationship Background

- Although not in extensive use for printers, the DMTF CIM did address printer devices, but in a way that was incomplete and incompatible with the model represented by the Printer MIBs.
  - **Some PWG Members felt that, since CIM was being used for management in general, it should consistently and adequately address printers**
- Moreover, it was believed within the PWG that management over the network would migrate to a Web Services approach. Members wanted to ensure that printers (and eventually MFDs) were properly modeled.

# 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)**

## CIM Realignment Activities Since last F2F

- Turn over to Rick Landau