

Web-based Imaging Management System Working Group - WIMS

**Printer Working Group Plenary
July 2005**

12 July 2005

PWG WIMS Activity



WIMS Working Group Goals

- **Consolidate an Imaging Systems Management Model in line with the PWG Semantic Model, and including:**
 - **The device-oriented elements of the Printer MIB**
 - **The service-oriented elements identified in the various aspects of IPP**
 - **The most critical elements of imaging and multifunction services**
- **Generate Web Services compatible XML schema reflecting this model**

WIMS Working Group Goals

- Design a System to
 - **Monitor, Manage and Administer:**
 - Hardcopy imaging devices and systems
 - Image processing services (print spoolers, facsimile, format transform services, etc)
 - **In a context supporting both**
 - fleet management (across the Internet by outside service providers) and
 - enterprise management (within an administrative domain by in-house staff)

WIMS WG Efforts

- **WIMS Protocol Document**
- **Standard for Imaging System Counters**
 - **Counter Specification**
 - **Mapping to Counter MIB**
 - **Mapping to Counter XML W3C Schema**
- **Other XML W3C Schema**
 - **Printer MIB and Related MIB objects,**
 - **WIMS and Printer Semantic Model elements**

WIMS Protocol Document

- Purpose: To define Operations and Actions supporting Remote Third-Party management of Imaging Systems
- Current Document:
<ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimscount10-20050323rev.pdf>
- Status: Prototype
- Remaining Activities:
 - Refinement and update of section 3, Scenarios and Requirements
 - Review and Alignment check
 - Last Call and Analysis of Comments and Questions

Standard for Imaging System Counters

- **The “Counter Spec”:**
 - Defines the usage counters for an Imaging System and the Services in that system.
- **Status:**
 - Went into PWG “Last Call” 29 March 2005
 - Last Call comments have been addressed
- **Current Version:**
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/lcrc-wimscount10-20050629.pdf>
- **Remaining Steps**
 - Working Group review (internal alignment)
 - PWG Vote - August

Counter MIB

- **Purpose:**
 - **SNMP compatible mapping of Imaging System Counters and other Semantics for Imaging System and Component Usage and Status\Status:**
 - **Went into PWG “Last Call” 29 March 2005**
 - **Last Call comments have been addressed**
 - **Document has been updated and reviewed**
- **Current Version:**
 - **<ftp://ftp.pwg.org/pub/pwg/wims/wd/lcrc-wimscountmib10-20050616.htm>**
- **Remaining Steps**
 - **Final Working Group review (internal alignment)**
 - **PWG Vote - August**

XML W3C Schema

- **Purpose:**
 - XML Schema mapping of elements for monitoring and managing Imaging Services and Systems with Web Services Technologies
- **Sources**
 - RFC2790- HR MIB
 - RFC3805- Printer MIB V2
 - RFC3806- Printer Finishing MIB
 - Counter MIB
 - WIMS Contributions/Extensions to the Semantic Model
- **Current Versions:**
 - <ftp://ftp.pwg.org/pub/pwg/wims/schemas/>
- **Next Steps**
 - Unclear whether these work items will simply be retained as resources or be subjected to a more formal documentation procedure.