



Printer Working Group

BOF – PWG MIB Implementer's Guide

PWG Meeting

Mt. Laurel, NJ

April 5th, 2006

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- SNMP – Has progressed through a series of levels over time.
- Currently Two Versions of MIB Syntax
 - SMIPv1 (STD 16)
 - SMIPv2 (STD 58)
- Printer MIB RFC's
 - RFC 1759 – SMIPv2 Compliant
 - RFC 3805 – SMIPv2 Compliant

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- Reasons for Considering a PWG MIB Implementer's Guide
 - Software Application Developers do not necessarily realize that SNMP management of a printer typically requires a MIB
 - Therefore new printer device management (ex. fleet management) applications do not necessarily cause pressure on printer manufacturer's to maintain awareness of improvements being made in MIB capabilities

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- Reasons for Considering a PWG MIB Implementer's Guide
 - Printer vendors may not realize that public domain MIB's exist to expand the management capabilities of their devices. This can lead to the development of proprietary MIB's, which can limit the ongoing interoperability of management applications and hardware devices.

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- Reasons for Considering a PWG MIB Implementer's Guide
 - Network and Device Management Application Software vendors simply reading RFC's and not checking for the current level of functionality in printer based MIB deployments found in the field could unfortunately learn that many of the items mentioned in the RFC's are not fully implemented in the field
 - This type of revelation could reflect badly on the excellent work performed by the PWG

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- PWG MIB Family's *(as of March 2006)*
 - Hardware Status of Components in a Printer
 - » RFC 3808 – IANA Charset MIB
 - » RFC 3806 – Finisher MIB Extension
 - » RFC 3805 – Printer MIB v2
 - » RFC 1759 – Printer MIB v1
 - Dependencies
 - » RFC 2790
 - » SNMP Related RFC's

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- PWG MIB Family's *(as of March 2006)*
 - Job Monitoring MIB
 - » RFC 2708 – Job Monitoring MIB v 1.0
 - » RFC 2707 – Job Submission Protocol Mapping Recommendations for the Job Monitoring MIB
 - Counter MIB
 - » PWG Imaging Counter MIB v1.0 – formally approved as PWG Informational Specification on 23 Dec 2005
 - Dependencies
 - » SNMP Related RFC's

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- PWG MIB Family's *(as of March 2006)*
 - Port Monitor MIB
 - » approved as PWG 5107.1 on 25 Oct 2005
 - Other Current BOF Activities
 - » MFP Alerts
 - Dependencies
 - » SNMP Related RFC's

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- **BOF – Discussion Points**
 - **Printer MIB v2 Bake Off**
 - » Good Marketing Event for PWG Standards?
 - » Is it necessary?
 - » Would it be useful and well attended?
 - **Marketing PWG Efforts to Printer Literate Organizations**
 - » Is a MIB Implementer's Guide a Useful Tool in this Regard?

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- BOF – Discussion Points
 - Other Ideas