



Proposed Alert Table Extension For Multi-Function Printers

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Confidential

- Table index (prtAlertIndex)
- Criticality indicator (prtAlertSeverityLevel)
- Competency indicator (prtAlertTrainingLevel)
- Module identifier (prtAlertGroup)
- Module index identifier (prtAlertGroupIndex)
- Vendor unique identifier (prtAlertLocation)
- Alert type code (prtAlertCode)
- Vendor defined description (prtAlertDescription)
- Time of occurrence (prtAlertTime)

- Alert Type Codes were very specific to the Alert Group
 - coverOpen(3)
 - coverClosed(3)
 - inputMediaTrayMissing(801)
 - outputMediaTrayFull(903)
 - markerTonerEmpty(1102)
 - markerOcpLifeOver(1112)
 - InterpreterResouceDelete(1506)

- RFC 3805 added generic Alert Type Codes
 - subunitMissing(9)
 - subunitLifeOver(11)
 - subunitEmpty(13)
 - subunitFull(15)
 - subunitOffLine(22)
 - subunitResourceAdded(27)
 - subunitUnrecoverableFailure(30)
 - subunitOverTemperature(36)

- **Module identifier (prtAlertGroup)**
 - Defines where the alert occurred
 - Values are the group OID arcs in the Printer MIB
 - Values are defined in PrtAlertGroupTC
 - PWG can define without re-publishing Printer MIB
- **Module Index Identifier (prtAlertGroupIndex)**
 - Provides more detail concerning the location
 - The index values of the group OIDs

- Printer
 - Fully described by the Printer MIB
 - Alerts supported
- Scanner
 - No standard MIB
 - No alerts
- Modem
 - IETF Modem MIB
 - No alerts

- Print
 - Printer Device
- Scan
 - Scanner Device
- Copy
 - Printer and Scanner Devices
- FAX Send
 - Scanner and Modem Devices
- FAX Receive
 - Modem and Printer Devices

- Define an extension to the Printer MIB
 - Include all groups required for an MFP
 - Minimal number of objects in each group
 - Allow capability for future expansion
- Restrictions
 - Keep it simple... Only to support Alerts
 - Not an IETF sponsored project

- **WIMS**
 - Target is multi-function devices
- **Image Counter MIB**
 - Defines multi-function services
 - Defines Scanner and Printer subgroups
- **Job Monitoring MIB**
 - Defines service types:
 - Scan
 - FAX (in, out)
 - File (get, put)
 - Mail List

- **Modem MIB (RFC 1696) Defines:**
 - Device Manufacturer
 - Modem Line Capabilities
 - Modem Interface Settings
 - Modem Call Control Configuration
 - Stored Call Numbers
 - Data Compression in Use
 - Signal Converter Table
 - Modem Statistics

- **Internet FAX**
 - Uses email technology
 - Defined in Image Counters MIB
 - RFC 2532 Extended Facsimile Using Internet Mail
 - RFC 2542 Terminology and Goals for Internet Fax
 - RFC 3249 Implementers Guide for Facsimile Using Internet Mail
 - RFC 3965 A Simple Mode of Facsimile Using Internet Mail
 - For additional information:
 - www.imc.org/ietf-fax/index.html

- **Scanner MIB contents:**
 - Original Document Handler Group
 - Image Sensor Group
 - Color Space Group
 - Data Channel and Control Group
 - Control Language Group
 - Image Format Group
- **Modem MIB**
 - Provides General Information
 - Augments the IETF Modem MIB

- **Scanner Device & Service Templates**
 - Scan Service
 - Feeder Service
 - External Activity Service
 - Scan Operation Characteristics
 - Configuration

- **BOF - January 2006 PWG Meeting**
 - Establish Working Group (Charter)
- **First Draft Document - April 2006 PWG Meeting**
 - Public review of Working Group documents
- **Second Draft Document - June 2000 PWG Meeting**
 - Update from WG including any outside comments
- **Final (?) Document - October 2006 PWG Meeting**
 - Approved specification!