Outline-Coherent MFD Management Interfaces

1. Introduction

2. Terminology

3. Requirements

4. SNMP Management Interfaces

4.1. SNMP Overview (versions, transports, security, etc.)

1. SNMPv1c
2. SNMPv2c
3. SNMPv2p (Party) - ???
4. SNMPv3
5. SNMP over SSH
6. SNMP over TLS

4.2. IETF MIB Requirements

4.2.1 IETF Core MIBs

1. IETF MIB-II (RFC 1213)
2. IETF Host Resources MIB v2 (RFC 2790)
3. IETF Entity MIB v3 (RFC 4133)
4. IETF Syslog Message MIB (RFC 5676)

4.2.2 IETF Updates to MIB-II

1. IETF Interfaces MIB (RFC 2863)
2. IETF TCP MIB (RFC 4022)
3. IETF UDP MIB (RFC 4113)
4. IETF IP MIB (RFC 4193)
5. IETF SNMP Agent MIB (RFC 3418)

4.2.3 IETF SNMP Protocol MIBs

1. SNMP group in IETF MIB-II (RFC 1213)
2. SNMPv3 Framework MIB (RFC 3411)
3. SNMPv3 Message Processing MIB (RFC 3412)
4. SNMPv3 Target MIB (RFC 3413) - for traps
5. SNMPv3 Notification MIB (RFC 3413) - for traps
6. SNMPv3 User-based Security MIB (RFC 3414)
7. SNMPv3 View-based Access Control MIB (RFC 3415)
8. SNMP Community MIB (RFC 3584)
9. SNMP Transport Security Model MIB (RFC 5591)
10. SNMP SSH Transport Model MIB (RFC 5592)
11. SNMP TLS Transport Model MIB (RFC 5953)

4.3. PWG MIB Requirements

4.3.1 PWG Core MIBs

1. PWG Job Monitoring MIB (RFC 2707)
2. PWG Printer MIB v2 (RFC 3805)
3. PWG Finisher MIB (RFC 3806)
4. IANA Charset MIB (RFC 3808)

4.3.2 PWG Extension MIBs

1. PWG Printer Port Monitor MIB (PWG 5107.1)
2. PWG Imaging System State and Counter MIB v2 (PWG 5106.3)
3. PWG Imaging System Power MIB v1 (PWG 5106.5)

4.4. Vendor MIB Recommendations

- Should always implement equivalent public MIB (when available) for any functionality present in private MIBs

5. IPP Management Interfaces

a. IPP Overview (versions, transports, security, etc.)

b. IETF IPP Requirements

c. PWG IPP Requirements

d. Vendor IPP Recommendations

6. Web Services Management Interfaces

a. Web Services Overview (PWG SM, MFD Services, WS-\* specs, etc.)

b. WSI Web Services Requirements

c. PWG Web Services Requirements

d. Vendor Web Services Recommendations

7. DMTF CIM Management Interfaces

a. CIM Overview (versions, transports, security, etc.)

b. DMTF CIM Requirements

c. PWG CIM Requirements (Printer Profile, extensions, etc.)

d. Vendor CIM Recommendations

8. NETCONF Management Interfaces

1. NETCONF Overview (versions, transports, security, etc.)
2. IETF NETCONF Requirements
3. PWG NETCONF Requirements
4. Vendor NETCONF Recommendations

9. IANA and PWG Considerations

10. Internationalization Considerations

11. Security Considerations

12. References

a. Normative References

b. Informative References

13. Editors' Addresses

14. Appendix X - Change Log

Ira M. 1/19/2011(4/3/2011)