DYMO, SMF and REPORT MIBs

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Introduction

Three MIBs:

- DYMO-MIB <draft-ietf-manet-dymo-mib-02.txt> [1]
- SMF-MIB <draft-ietf-manet-smf-mib-00.txt> [2]
- REPORT-MIB <draft-cole-manet-report-mib-00.txt> [3]
Updates

- DYMO-MIB – No changes since last meeting.
- SMF-MIB – Rev’d as WG draft. Pulled out ReportsGroup and moved functionality into REPORT-MIB. Pulled out IfTables table (Is someone interested in developing an IpTables-MIB? The base existed in the previous version of the SMF-MIB).
- REPORT-MIB – New MIB developed based upon discussion in San Francisco. Pulled ReportGrp from SMF-MIB and replaced with this new MIB to provide similar functionality to all MIBs. Provides an RMON-lite capability.
REPORT-MIB

Mgmt Station

REPORT-MIB

MIB1

+---------+ +-----+

|弩建Report1 |+-------+| +--+ |

+----------------->||cntrl 1||<------>|PC| |

|+--------+|<+-| MIB2 |

| +--------+| | +--+ |

| +---->|PC| |

Build Rep2

+---------+ +-----+

|弩建Report2 |+-------+| +-->+--+--+

+----------------->||cntrl 2||<---+

|+-------+|

| |

|+-----+ |

<------------------||Rep2 | |

Notf Rep2

|+-----+ |

| |

|+-----+ |

| | Rep3 |

|+-----+ |

Get Rep2

|+-----+ |

| |

|+-----+ |

| | Rep 3 |

|+-----+ |

Send Rep2

Figure 1: REPORT MIB front-end report generation process.
Next Work Items

- **DYMO-MIB** – Is near complete; need to spend some thought against Notifications.
  - Currently has three; `dymoAdminStatusChange`, `dymoInterfaceAdminStatusChange`, and `dymoResponsibleAddrEntryChange`.

- **SMF-MIB** – Is pretty well fleshed out, except Notifications. Need to consider how to break up Conformance.

- **REPORT-MIB** – Currently identifies reports related to counters only. Can we generalize to other types (see U. Herberg’s presentation).
Questions

- Are RMON-style reports desirable across all the MIBs? (Does the approach taken in the REPORT-MIB seem reasonable?)
- SMF-MIB is a framework structure (in some sense) with a CapabilitiesGroup; objects related to supported RSSAs are necessarily to be developed within separate MIBs. Is this OK? Which RSSA MIBs need to be developed? And who is going to work these?
References

