

# 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

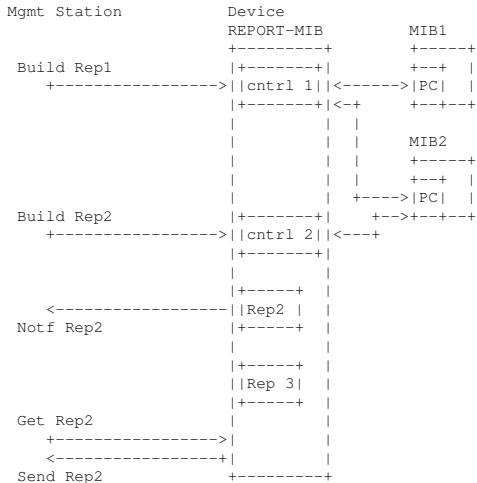


Figure 1: REPORT MIB front-end report generation process.

## 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

- 1 Harnedy, S., Cole, R.G. and I.D. Chakeres, *Definition of Managed Objects for the DYMO Manet Routing Protocol*, IETF Draft, <draft-ietf-manet-dymo-mib-02.txt>, February 2009.
- 2 Cole, R.G. Macker, J., Adamson, B. and S. Harnedy, *Definition of Managed Objects for the Manet Simplified Multicast Framework Relay Set Process*, IETF Draft, <draft-ietf-manet-smf-mib-00.txt>, April 2009.
- 3 Cole, R.G., Macker, J. and A. Morton, *Definition of Managed Objects for the REPORT-MIB*, IETF Draft, <draft-cole-manet-report-mib-00.txt>, May 2009.