Power and Energy Monitoring  MIB

draft-ietf-eman-energy-monitoring-mib-03

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Summary

• Added new MIB object on Capabilities of Devices

• Waiting for resolution on IANA States

• Waiting for Requirements to go to Last Call

• We seem ready!
What is new in version?

- A new MIB object to indicate Energy Device capability

  eoMeterCapabilitiesTable(1)
  |  
  +---- eoMeterCapabilitiesEntry(1) [entPhysicalIndex]
  |    +---- r-n BITS eoMeterCapability

- Terminology adopted from draft-parello-eman-definitions-06
  - Power-Quality-MIB -> Power-Characteristics-MIB
  - Renamed many MIB objects consistent with new terminology

- Closed open issues as discussed in the last WG meeting
device capability

eoMeterCapabilitiesEntry OBJECT-TYPE
   INDEX     { entPhysicalIndex }  
::= { eoMeterCapabilitiesTable 1 }

eoMeterCapability OBJECT-TYPE
   SYNTAX   BITS {  
     none(0),  
     powermetering(1),  -- power measurement  
     energymetering(2),  -- energy measurement  
     powercharacteristics(3)  -- Power Characteristics  
   }  
::= { eoMeterCapabilitiesEntry 1 }

• it is possible to quickly infer the Device capability instead of polling each MIB OID in the tables.
• design similar to probeCapabilities in RMON-MIB
Open Issues

- Open Issue 1 - IEEE-ISTO PWG in the IANA list of Power State Set?
  - Proposal - Procedure is in place for the Printer Power Series addition if needed.

- Open Issue 2 – IANA Registered Power State Sets
  - Proposal – deferred to EMAN-FMWK
  - Power states (levels adopted by ASHRAE 201p)

- Open Issue 3 – Check if all requirements are met
  - Proposal – baseline the EMAN requirements
Summary

- Revised the MIB module based on WG feedback
- Closed many open issues
- This MIB module is almost complete;
  - but requirements, framework should be finalized
    - Last call?

Comments, feedback