Power and Energy Monitoring MIB

draft-claise-energy-monitoring-mib-07

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Power and Energy Monitoring MIB claise-energy-monitoring-mib-07

- Draft based on Working Charter
  “4. Power and Energy Monitoring MIB document -
  The EMAN WG will develop a document defining managed objects for
  monitoring of power states and energy consumption/production ...”

- Areas of focus
  - Power measurement
    - attributes of the power measurement
  - Power Levels
  - Energy measurement
  - Power Quality
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- What is new in version 07?
  - Based on IETF-79 EMAN WG discussion
  - Version 07 is the merge the 2 MIB modules
    - draft-claise-energy-monitoring-mib-06
    - draft-quittek-power-mib-02.txt
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▪ What is new in version 07?

▪ Relationship to Entity MIB
  ▪ Index for the pmPowerEntry Table - pmPowerIndex
    ▪ If Energy-Aware MIB is implemented then pmPowerIndex = pmIndex
    ▪ If Energy-Aware MIB is not implemented and if Entity MIB is implemented, then pmPowerIndex = entPhysicalIndex
    ▪ If neither, pmPowerIndex = arbitrary, unique index, persistent

▪ Assumption
  ▪ Entity MIB may not implemented in all devices in scope –
    ▪ PC with a power supply
  ▪ Devices with dual power supply – can not be modeled in Entity MIB
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- What is new in version 07?
  - Added MIB variables from the draft-quittekk-power-mib-02.txt MIB — compliance to requirements draft
    - `pmPowerStateEnterReason` — reason for power state transition
    - `pmPowerStateTotalTime` — reason for power state transition
    - `pmPowerStateEnterCount` — reason for power state transition
    - `pmEnergyIntervalDiscontinuityTime` — to indicate discontinuity in the energy measurement
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- What’s next?
  - Relationship to Entity MIB - Listen to Juergen’s presentation
  - Take into account the decision on the Power States
  - Revise the draft based on feedback, improve the text
    - A typo in the pmPowerMonitorId in the figures – Section 6.
    - Shall be corrected in the next version of draft
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Summary

- Merged the two MIB modules
  - draft-claise-energy-monitoring-mib-06
  - draft-quittek-power-mib-02.txt

- Waiting for feedback
  - Power States, Entity MIB

Comments, Feedback