

# Power and Energy Monitoring MIB

draft-claise-energy-monitoring-mib-07

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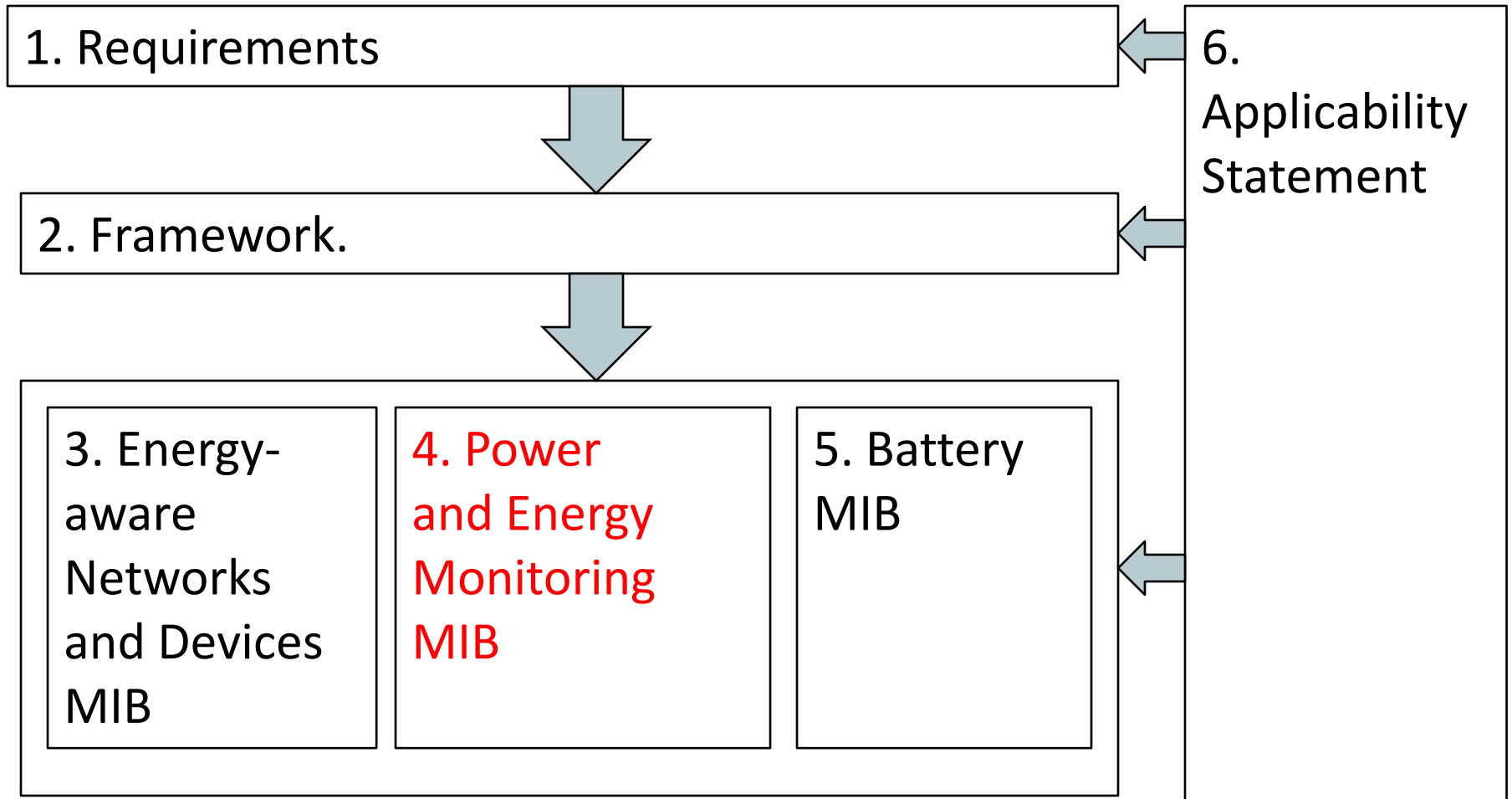
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# EMAN WG Charter: Documents



# Power and Energy Monitoring MIB claipse-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

# Power and Energy Monitoring MIB claize-energy-monitoring-mib-07

- What is new in version 07 ?
  - Based on IETF-79 EMAN WG discussion
  - Version 07 is the merge the 2 MIB modules
    - draft-claize-energy-monitoring-mib-06
    - draft-quittek-power-mib-02.txt

# Power and Energy Monitoring MIB

## claipse-energy-monitoring-mib-07

- 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-quittek-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

# Power and Energy Monitoring MIB claize-energy-monitoring-mib-07

- ▶ Summary
  - ▶ Merged the two MIB modules
    - ▶ draft-claize-energy-monitoring-mib-06
    - ▶ draft-quittek-power-mib-02.txt
  - ▶ Waiting for feedback
    - ▶ Power States, Entity MIB
- ▶ Comments , Feedback