

# 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!

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- 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-parelo-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

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## 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

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## 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

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- 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