Battery MIB Module

draft-quittek-power-mib-02

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Battery MIB module

- contained in draft-quittek-power-mib
- but as separate MIB module
- to be moved into separate draft

- was not in the very first set of requirements
- but several people stated interest
What to monitor?

- current charge of battery
- age of battery (charging cycles)
- state of battery (e.g. being re-charged)
- last usage of battery
- nominal and remaining capacity
- notifications
  - low battery
  - battery replacement
Battery table

batteryTable(1)
  ---> batteryEntry(1) [entPhysicalIndex]
    ---> r-n Enumeration batteryType(1)
    ---> r-n Enumeration batteryTechnology(2)
    ---> r-n Unsigned32 batteryNominalVoltage(3)
    ---> r-n Unsigned32 batteryNumberOfCells(4)
    ---> r-n Unsigned32 batteryNominalCapacity(5)
    ---> r-n Unsigned32 batteryRemainingCapacity(6)
    ---> r-n Counter32 batteryChargingCycleCount(7)
    ---> r-n DateAndTime batteryLastChargingCycleTime(8)
    ---> r-n Enumeration batteryState(9)
    ---> r-n Unsigned32 batteryCurrentCharge(10)
    ---> r-n Unsigned32 batteryCurrentChargePercentage(11)
    ---> r-n Unsigned32 batteryCurrentVoltage(12)
    ---> r-n Integer32 batteryCurrentCurrent(13)
    ---> r-n Unsigned32 batteryLowAlarmPercentage(14)
    ---> r-n Unsigned32 batteryLowAlarmVoltage(15)
    ---> r-n Unsigned32 batteryReplacementAlarmCapacity(16)
    ---> r-n Unsigned32 batteryReplacementAlarmCycles(17)
Open issues

- still homework to be done
  - alignment with UPS MIB
  - comparison with existing private MIB modules

- do we need a battery ID?