

Battery MIB Module

draft-ietf-eman-battery-mib-09

J. Quittek, R. Winter, T. Dietz

Solved Open Issues of Version -08

- Full integration of ENTITY MIB
 - ◆ ENTITY-MIB Version 4 (RFC6933) support is now MANDATORY
- Kind of entity
 - ◆ ENTITY-MIB comes with a new entity type 'battery', RECOMMENDED to use
- Per-Cell reporting
 - ◆ Extended four notifications (batteryLow, batteryCritical, temperature, aging) by means to report per cell or set of cells

Solved Open Issues of Version -08

- New notifications
 - ◆ Notifications for removable batteries
 - Added batteryConnectedNotification and batteryDisconnectedNotification
 - ◆ Notification on locally initiated charging state changes
 - ◆ Notification on (ACPI) critical battery state
- Merged two notifications
 - ◆ HighTemperature, LowTemperature --> Temperature

New Open Issues in version -09

- Identifying replacable batteries
 - ◆ Proposed solution: Use two IDs
 - ◆ entPhysicalUUID (ENTITY-MIB) for the (fixed) battery connector
 - generated by the EMAN implementation
 - remains with the slot/connector
 - ◆ batteryIdentifier (BATTERY-MIB) for the (moving) battery
 - generated by manufacturer
 - moves with the battery
- Compliance of notification implementations
 - ◆ Proposal: Any set of notifications may be implemented, none is mandatory

Next Steps

- Agree on solutions for open issues at IETF #87
- Post new version -10 during IETF week
 - ◆ revised notification compliance statements are needed anyway
- Enter WGLC