Samsung Prototype of PWG Imaging System Power MIB

Printer Working Group Meeting in Bagsvaerd, Denmark 4 August 2010

Prototype of PWG Power MIB

- Prototype implemented on Samsung CLX-9350
- Initial results made available today to PWG
- Phase 1 – 3 object groups now implemented
  - Required – General (features), Monitor (current), Log
- Phase 2 – 3 object groups are planned
  - Recommended – Support and Transition (states)
  - Optional – Timeout (policies)
- Out-of-Scope – 5 object groups not planned
  - Optional – Request, Calendar, Event, Counter, Meter

Phase 1 Prototype – Summary

- Prototype Coverage – Good
  - All required object groups
- Prototype Structure – Excellent
  - Accuracy of table indexing
- Prototype Content – Excellent
  - Accuracy of object values
- Ease of implementation – Good
  - Questions about structure and object usage

Phase 1 Prototype - Issues

- **Clarifications needed**
  - powGeneralNaturalLanguage – change MAX-ACCESS to ‘read-only’
  - powMonitorPowerState – use standard states first, e.g., standby(30)
  - powMonitorComponentType/ReferenceId – need more usage info
  - powLogPowerState – show state *transitions* only (no heartbeats)
  - powSupportTable – show only Stable power states (not Transitional)
  - powSupportPowerActiveWatts – should Marker be active for on(20)?
- **Additions needed**
  - powGeneralSupportedPowerStates (NEW) – simple list of states
  - powGeneralMaxCounterRecords (NEW)
  - powGeneralMaxMeterRecords (NEW)
  - GROUP macros for Counter and Meter (NEW)
  - OBJECT macros for MIN-ACCESS of ‘read-only’ (NEW)