



WIMS WG – Status Update PWG Power Management Project

4 August 2010

Bagsvaerd, Denmark – PWG F2F Meeting

Power Project – Status



- PWG Imaging System Power Management Model
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspower10-20100428.pdf>
- PWG Imaging System Power MIB
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20100428.pdf>
- MPSA Power Focus Group – 20 May 2010
 - Bill Wagner (WIMS Chair) and Ira McDonald (Power Editor)
 - Jim Fitzpatrick (MPSA Chair) and 5 other MPSA members
- PWG Meeting – 10 June 2010
 - MPSA Power Focus Group – stronger conformance needed?
- WIMS WG Teleconferences – July 2010
 - MPSA Power Focus Group – stronger conformance needed?
- Samsung Power MIB Prototype – 4 August 2010
 - Phase 1 Results – clarifications and additions (Samsung slides)

Power Model – Summary



- Status Groups
 - Power General (REQUIRED) – supported features
 - Power Monitor (REQUIRED) – current state
 - Power Log (REQUIRED) – state transition w/ timestamp
 - Power Counter (OPTIONAL) – state transition counters
 - Power Meter (OPTIONAL*) – power usage meters
 - Capabilities Groups
 - Power Support (RECOMMENDED) – list of stable states
 - Power Transition (RECOMMENDED) – list of transitions
 - Settings Groups
 - Power Request (OPTIONAL) – state change request
 - Power Timeout (OPTIONAL*) – list of timeout policies
 - Power Calendar (OPTIONAL) – list of calendar policies
 - Power Event (OPTIONAL) – list of event policies
- * Group is proposed to become RECOMMENDED (see slide 5)

Power MIB – Summary



- Status – powGeneralXxx
- Status – powMonitorTable
- Status – powLogTable
- Status – powCounterTable
- Status – pow MeterTable
- Capabilities – powSupportTable
- Capabilities – powTransitionTable
- Settings – powRequestTable
- Settings – powTimeoutTable
- Settings – powCalendarTable
- Settings – powEventTable

Power MIB – Proposed Updates



- Samsung – Power MIB (Phase 1 Prototype)
 - Clarifications and additions (see Samsung slides)
- MPSA – Power MIB (Standby and Suspend)
 - SHOULD support network queries *without* wakeup
- MPSA – Power MIB (Monitor, Log, and Policies)
 - SHOULD support Scanner and Marker components
- MPSA – Power MIB (Meter)
 - SHOULD support current/lifetime usage meters?
- MPSA – Power MIB (Timeout)
 - SHOULD support timeouts (common private feature)?
- MPSA – Power MIB (Timeout, Calendar, Event)
 - SHOULD support automatic policies based on history?

Power Project – Next Steps



- Samsung Prototype
 - Phase 2 – September 2010 – Support, Transition, and Timeout
- PWG Imaging System Power Management Model
 - Prototype draft – September 2010 – clarifications/additions
 - Stable draft – October 2010 – into PWG Last Call
- PWG Imaging System Power MIB
 - Prototype draft – September 2010 – clarifications/additions
 - Stable draft – October 2010 – into PWG Last Call
- PWG Last Call – PWG Meeting – October 2010
 - Review – technical and editorial comments welcome
- PWG Formal Vote – November/December 2010
 - YES – MAY have editorial comments ONLY
 - NO – MUST have technical comments ONLY