

MPSA/PWG Power Management Survey Results for WIMS WG Session

**Printer Working Group
Face-to-Face Meeting**

**3 February 2011
Wailea-Makena, HI**

Specs, Survey, and Results Summary



- PWG Power Model and MIB (in Formal Vote) are archived at:
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspower10-20110107.pdf>
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20110107.pdf>
 - <ftp://ftp.pwg.org/pub/pwg/wims/wd/wd-wimspowermib10-20110107.mib>
- MPSA/PWG Power Article/Survey is archived at:
 - <ftp://ftp.pwg.org/pub/pwg/wims/white/mpsa-pwg-power-article-dec-2010.doc>
- Summary of results from 2-30 January 2011 (39 replies)
 - Power monitoring and management interest is high
 - Power monitoring and management deployment is low
 - Power usage monitoring interest is high
 - Power state change remote operations interest is high
 - Power state change notifications interest is moderate
 - Power management calendar/timeout policy interest is high
 - Power public standards awareness is low

Power Management Survey Results



- Q1. How important is power usage to your clients when making purchasing decisions for printers and multifunction hardcopy devices (choose one)?
 - 1 – 4 – Not important
 - 2 – 18 – Somewhat important
 - 3 – 11 – Important
 - 4 – 5 – Very important
 - 5 – 1 – Critical

Power Management Survey Results



- Q2. When considering printer and multifunction hardcopy device power usage, what factors do your clients include (check all that apply)?
 - A – 32 – Published power consumption (by manufacturer and/or evaluation labs)
 - B – 11 – Support for configuration of power state change policies
 - C – 15 – Idle power consumption (i.e., warmed up but not currently processing jobs)
 - D – 12 – Hibernate power consumption (i.e., lowest power state that preserves context)
 - <no response> – 2

Power Management Survey Results



- Q3. Do you or your clients currently use fleet management tools that include power management for printers and multifunction hardcopy devices?
 - no – 26
 - yes – 13
- Q4. Do you or your clients want power state monitoring and logging for printers and multifunction hardcopy devices?
 - no – 10
 - yes – 29
- Q5. Do you or your clients want power usage meters for printers and multifunction hardcopy devices?
 - no – 13
 - yes – 26

Power Management Survey Results



- Q6. Do you or your clients want power state change notifications from printers and multifunction hardcopy devices?
 - no – 21
 - yes – 18
- Q7. Do you or your clients want to know detailed power state capabilities for printers and multifunction hardcopy devices?
 - no – 13
 - yes – 24
 - <no response> – 2
- Q8. Do you or your clients want to use remote power state change operations for printers and multifunction hardcopy devices?
 - no – 16
 - yes – 23

Power Management Survey Results



- Q9. Do you or your clients want to configure power state change policies for printers and multifunction hardcopy devices?
 - A – 33 – Calendar-based (e.g., Friday at 5pm --> Hibernate)?
 - B – 15 – Event-based (e.g., paper jam --> Suspend)?
 - C – 27 – Timeout-based (e.g., 300 seconds idle --> Standby)?
- Q10. Are you or your clients aware of the ongoing PWG Power Management project?
 - no - 30
 - yes - 9
- Q11. Are you or your clients aware of the new IETF Energy Management project?
 - no - 32
 - yes - 7

Power Management Survey Results



- Q12. Are you or your clients aware of the DMTF CIM and ACPI power management standards?
 - no – 32
 - yes – 6
 - <no response> – 1
- Q13. Do your clients or does your company require that new hardcopy equipment be compliant with some power efficiency standard? If so, which one?
 - <response> – 14
 - <no response> – 25