


Universal Power Adapter for Mobile Devices (UPAMD) Working Group

Start Time: 23 November 2010 5:00 P.M. PDT UTC-7 (0100GMT/Zulu 24 Nov 2010)

Approved Minutes

- Call to Order UPAMD Working Group meeting - Bob Davis 0100Z 24 November 2010
- I. Introductions/Attendance
 - II. Approval of Agenda M Vern Brethour, S Ignatius Lee – Approved as modified with the Logo Discussion.
 - III. Approval of Minutes from 09 November 2010 meeting see [Minutes](#) – M- Vern Brethour, S- Edgar Brown. Approved as written.
 - IV. IEEE Patent slides presented. See <http://standards.ieee.org/board/pat/pat-slideset.ppt>
 - a. Patent slideset has moved – Bob will track it down and fix the pointer.
 - V. Communications Goals – Edgar Brown
 - a. Review Subcommittee Chair presentation and subcommittee progress.
 - i. Current discussions are centering around the use of the CAN bus for communications. CAN bus standards and documentation are on the private pages under CAN Bus. Still awaiting SAE documents on the single line CAN Bus. Messages for communications between the source and the device are under discussion. See the communication page under the UPAMD page.
 - VI. Power Goals – Paul Panepinto
 - a. Review Subcommittee Chair presentation and subcommittee progress.
 - i. Lively discussion of “Limited Power” and “Hazardous Power” per ISO 60950-1 (see private pages for standards) and could the top power level be raised. A vote of the committee would be required. Continued discussion on the spec for a 22-23V source and 21V delivered to sink under highest power demand. Some initial speculation on having a higher voltage setting to achieve higher top power point.
 - ii. Active direction to get to a state diagram for the power connection to include safety power level and negotiations. Please contribute.
 - VII. Connector Goals – Mark Anderson
 - a. Review Subcommittee Chair presentation and subcommittee progress.
 - i. Connector subcommittee is concentrating on the improvements of the 6pin connector design. Some potential length shrinking is still possible. Its current size is 5.9mm x 18mm and is capable of a lot more power than 130W. Discussion was started on possibly moving the power to a broader range. Up to 240VA would stay out of the “Hazardous Power” definitions of ISO 60950-1. This would allow the bigger adapters to supply some of the larger laptops. Opinions are welcome. Power connector drawing and models are on the website.
 - ii. The specification for the power cable, is most likely and extension of the Connector Goals.
Do we need another connector proposed? See current barrel connectors on webpage.
 - VIII. Conformity/Certification Goals – Jody Leber – No report.
 - a. Review possible goals
 - IX. New Business
 - a. LOGO Discussion. Clear winner is:

 - X. UPAMD Working Group Meeting Schedule:
 - a. 7 December 2010 at the 7am Pacific time slot

- b. 21 December 2010 at the 5pm Pacific time slot
 - c. 4 January 2011 at the 7am Pacific time slot
 - d. 18 January 2011 at the 5pm Pacific time slot
- XI. Other concerns of the group
 - a. Subcommittee meetings are schedule in the week between the main meetings.
- XII. Adjournment. M – Vern Brethour, 1828 PST adjourned.

Please send any changes or additions to Bob Davis bobd@scsi.com.