

## **Universal Power Adapter for Mobile Devices (UPAMD) Working Group**

### **UnApproved Minutes**

Call to Order UPAMD Working Group meeting - Bob Davis

0008Z 31 August 2011

- I. Introductions/Attendance
- II. Approval of Agenda – M- Leonard Tsai, S- Gary Pettit - Approved as presented
- III. Approval of Minutes from 16 August 2011 meeting see [Minutes](#) – M- Alex Schneider, S- Vern Brethour - Approved as posted.
- IV. IEEE Patent slides presented. See <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>
- V. Communications Goals – Edgar Brown
  - a. Review Subcommittee Chair presentation and subcommittee progress.
  - b. Progress on CAN bus and header proposal of priority, class, and command – The latest version of the headers with the class, priorities and socket structure were reviewed. This now is ready for review as it looks like it works.
  - c. Data transfer for packets of data between devices is still very much an open issue. How are packets addressed and formed and how sent.
  - d. Identification of attached devices (source and sinks) and paths - Discovery of the devices in a given multi-node environment that may include circular connections needs to be developed.
  - e. Communication Diagrams are still being developed
- VI. Power Goals – Paul Panepinto
  - a. Review Subcommittee Chair presentation and subcommittee progress.
  - b. Adapter/Source power priority strategy - First packet was discussed along with the revised method of sending and receiving power control information.
  - c. Sockets and new message structure will require some rework of the power state diagrams. Paul is working on the theory of operation for the power operations.
- VII. Connector Goals – Mark Anderson
  - a. Review Subcommittee Chair presentation and subcommittee progress.
  - b. [Target](#) definition and target pin surface shape, single com pin [Target](#)
  - c. Report from Foxconn on Cable construction options – issues include cable thickness. The connector has a width of 5.1 mm and low loss cables have thicknesses up to 8.5 mm to achieve the 100mohm total cable specification for 10 meters.
  - d. Cables are still intended to be 0.1ohm total resistance through both power leads. Should a different strategy be used? Review connector testing concepts – see connector page on website.
- VIII. Conformity/Certification Goals – Bob Noseworthy
  - a. Objectives - Bob reviewed the first Conformity working group meeting (Minutes posted on Conformity webpage). Starting to look at options to present the confidence to the user through the potential testing environments.
  - b. Planned meeting schedule week following this meeting on Wednesday. – please attend this meeting to bring your opinions to the conformity assessment group.
- IX. New Business
  - a.
- X. UPAMD Working Group Meeting Schedule:
  - a. 13 September 2011 at the 7am Pacific time slot
  - b. 27 September 2011 at the 5pm Pacific time slot
  - c. 11 October 2011 at the 7am Pacific time slot
  - d. 25 October 2011 at the 5pm Pacific time slot
  - e. 08 November 2011 at the 7am Pacific time slot
  - f. 22 November 2011 at the 5pm Pacific time slot
  - g. 06 December 2011 at the 7am Pacific time slot
- XI. Other concerns of the group

- a. Subcommittee meetings are scheduled in same time slot as Working Group meeting.
    - i. Connector Committee – same week on Thursday.
    - ii. Communication Committee meets following week on Tuesday
    - iii. Conformity Committee – meets following week on Wednesday
    - iv. Power Committee - meets following week, on Thursday
- XII. Adjournment. M - Alex Schneider Adjourned 1843 PDT

Please send any changes or additions to Bob Davis [bobd@scsi.com](mailto:bobd@scsi.com).