

Universal Power Adapter for Mobile Devices (UPAMD) Study Group
Microprocessor Standards Committee

Tuesday 23 March, 2010 at 5:00PM PDT(0000GMT)

Teleconference ONLY

Start Time: 23 March 5:00 p.m. PDT End Time: 6:00 p.m. PDT UTC-7

Start Time: 23 March 8:00 p.m. EDT End Time: 9:00 p.m. EDT UTC-4

Start Time: 24 March 8:00 a.m. Taiwan End Time: 9:00 a.m. UTC+7?

Start Time: 24 March 9:00 a.m. Japan End Time: 10:00 a.m. UTC+8?

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Minutes

Call to Order UPAMD Study Group meeting - Bob Davis

0000Z 24March2010

- I. Introductions: Bob Davis, Leonard Tsai, CT Chang, K. Takeda, Guangyong Zhu
- II. Approval of Agenda, Leonard moved, no
- III. IEEE Patent slides presented.
- IV. Review/Refinement of Project Authorization Request statements
 - a. Proposed Scope of project
 - i. The Universal Power Adapter for Mobile Devices (UPAMD) defines a power delivery connection between a power adapter and a power using device in the 10 Watt to 130 Watt range. A communications link between the power adapter and the mobile power using device is also defined. The communications will be used to coordinate the power delivery and provide identification between the power adapter and the power using device. While intended for portable computing and entertainment devices, this standard will also service other mobile devices in use around the office, home or vehicle.
 - b. Proposed Purpose for the project
 - i. UPAMD's purpose is to create a common interconnect for power delivery in the 10W to 130W power range to portable and possibly fixed devices. This standard will support more universal use and reuse of power adapters replacing brand specific and model specific power adapters. The UPAMD adapter system will be usable in portable computing and entertainment systems, security, household and office equipment within the power range. Universality and reuse are among the primary driving factors. Communications will support the adaption of the powered device performance to the power available.
 - c. Proposed Rational for the project
 - i. Rational for this project is to greatly reduce the electronic waste caused by the inability to reuse a power adapter with changing mobile devices. Current design practice is to design a power adapter system for each mobile device, laptop, netbook, or other portable systems. Optimization for each device design specifies a different adapter is designed to best fit that system power need.
 - ii. Most portable systems are being served by more than one power adapter. The inability to reuse existing power adapters with new devices leads to disposal problem of 100s of millions power adapters. Laptops, netbooks, notebooks, and similarly powered devices will reach a shipment levels well over 200 million this year with multiple adapters for each. This Universal Power Adapter for Mobile Devices will also help reduce user costs for power adapters.
 - iii. Adoption of a single standard will encourage better, more efficient, design of each adapter. With a known adapter standard, each portable device design can optimize for the standard. This common

adapter can also promote portable power ports being available for public use in hotels and conference centers and other facilities.

- V. Request Approval of Study Group for Scope, Purpose and Rational for PAR submission to MSC as modified in committee above - Leonard Tsai moved, CT Chuang seconds.

Approved by Study Group without objection.

- VI. Contributions to the Goal and Objectives of the project not covered above

- VII. Tentative Next Meetings – BiWeekly at this time

- a. Submit PAR to MSC on April 12 2010.
- b. Next meeting of Study Group on 13 April to do preliminary work on the project. Starting goals and objectives.

- VIII. Adjournment – Moved Leonard Tsai. No objections.