(DRAFT) MEETING 3 MINUTES:
Call to Order  UPAMD Conformity/Certification meeting -- Bob Noseworthy  7am PT 21 Sept 2011

I. Introductions/Attendance
Alex Schneider, Bob Davis, Bob Noseworthy,

II. Approval of previous Meeting Notes
Not done

III. Approval of Agenda
Moved- Bob D. Seconded -Alex

Introductions/Attendance
Approval of previous Conformity Subgroup Meeting Notes (Null)
Approval of 08/24/2011 Conformity Subgroup Agenda
Patent Slides reviewed
Technical Review/Updates
Administrative Review/Updates
New business?

IV. IEEE Call for Patents.

V. Technical Review/Updates

Reviewed previous discussions of Conformity group with Alex.

1 Past Tech topics
1 Use of a Logical Channel 3 Test & Qualification possible uses
1 Cable tests – mechanical measurements, break strength, disconnect tests
   1 Various angles
   1 Connector/plug disconnect strength – when not locked- pops off easy with a ‘trip’ test, when locked, then it should remain firmly seated under high force.
   1 Drop shock test
   1 May require connector and plug manufacturers to validate design requirements (breaking strength, maximum pull before breaking when locked, etc) but these requirements *might* not be checked when in a final product
1 Accuracy needs  (tolerances below are placeholders only! Power committee should decide these)
   1 Default 21V
1 Communications Power
   1 first power on the wire – must be 12V +/- 10% at 25mA +/- ??
   1 Recv dev will assume >20 <21.
1 Supply range (PS – power sourcing device)
   1 Maintain proper voltage across supported current range
   1 Test C of PS (both PS with connector, and PS with fixed cable)
1 Cable loss range (cable resistance 100mOhms +/- ? )
   1 Length Expected – 0.5m -> 10m
   1 Every non-fixed cable must support maximum wattage
   1 For non-fixed cable – measure R / C / L (even for fixed cable)
   1 Need separate C specs for cable only, and PS-fixed cable
   1 Cables fixed to a power supply only need support that power supplies maximum
1 Tolerance of PD (powered device)
   1 PS is 21V out +/- 5% (check)
Meeting minutes from UPAMD Conformity / Certification Meeting 
Meeting 3 - 21 Sept 2011

I. Must test both full load and open circuit conditions
   1. Open circuit should not be >21v (+/- 5%). Under full load: 20-21
   2. Should output voltage be limited to only 20-21 under any condition (tolerances)
   3. Absolute maximum is 23v – higher than this requires more expensive Caps

II. Scope reminder:
   1. Power groups subcommittee’s task is to establish these bounds and test conditions
   2. Conformity group: provide feedback and oversight to the other technical subcommittees to ensure testability and coverage
   3. Conformity group also assists in the development of the administrative structure that ultimately provides the logo grant:
      1. What tests are required (subset of all conformance requirements, development of some interoperability use case scenarios)
      2. Will these tests be on the production line in any sense?
      3. Will there be audits of products in the field (likely for brand protection)
      4. Any special attention to test modes/etc that would benefit testing of devices on the manufacturing line

III. Goal reminders:
   1. Plug in and it should work
   2. Long working life
   3. Relative low cost

VI. Administrative Review/Updates
   1. Not reviewed

VII. New Business.

Adjourned circa 7:45am PT

Future Meetings:
5pm Pacific, Wednesday, October 5