PoE ad-hoc Report

- ## Attendees:

  - Jeff Heath - Linear Technology   Dave Dwelley – Linear Technology

  - Martin McNarney – Broadcom   Wael Diab – Broadcom

  - Pat Thaler – Broadcom   Jean Picard – Texas Instruments

  - Mike McCormack – Texas Instruments

- ## Meeting opened 6:05, closed 6:55 HAST

IEEE 802.3bh Comment 80

- Recommend Reject:

  Without other changes not included in the comment, it is likely that an unstable condition could result. Specifically, it is likely that PDs would indefinitely cycle between powered and unpowered states.

IEEE 802.3bh Comment 79

- Recommend Reject:

  PDs that are not powered by a PSE will not receive LLDP messages that require a response; therefore, a locally powered and PSE unpowered PD will not need to reply to a compliant PSE. The standard addresses only interaction between compliant implementations, therefore the requested change is beyond the scope of IEEE 802.3 WG.

IEEE 802.3bh Comment 78

Accept in principle:

Suggested Remedy

1) Restore the 1ms allowance by adding an item "d) For Type 1 PSE, measurement of minimum I_{Inrush} requirement to be taken after 1ms to allow startup transients. It is highly recommended that new implementations of both Type 1 and Type 2 PSEs meet requirements a, b and c from t=0." at line 50.

2) *Add "NOTE 3-33.2.7.5 allows Type 1 PSEs to oscillate for up to 1ms during power on startup." in section 33.3.3.5, page 654, line 5 following Figure 33-16.*

   Since there was no consensus on bullet 2, it is shown in italics