

802.3az Task Force Layer 2 Ad-Hoc Report

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Vancouver, BC, Canada

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Ad-Hoc Participants – Thank You!

<u>Name</u>	<u>Affiliation</u>
Hugh Barrass	Cisco
Mike Bennett	LBNL
Wael William Diab	Broadcom
Bryan Dietz	Alcatel-Lucent
Norm Finn	Cisco
Eric Mann	Intel
Ramesh Sastry	Cisco
Anoop Vetteth	Cisco

Agenda

- Report on February ad-hoc meeting
 - Meeting agenda
 - Outcome of draft review
 - Contributions
 - Straw polls
 - Consensus recommendations
 - Big ticket items
- Motions to adopt ad-hoc recommendations
- Future work discussion

February Ad-Hoc Meeting

- Met 1 time on 23rd of February at 1PM PST for 2 hours
- Agenda of meeting
 - Review the patent policy
 - Review updated draft relative to incorporating the L2 baseline adopted in January
 - Make a list of big ticket items for L2
 - Review any contributions
 - Discuss next meeting / steps of the Ad Hoc

Outcome of Draft Review

- Layer 2 baseline adopted in 0109 interim
- Material incorporated into draft D1.2.1
 - Thank you to Anoop and Sanjay for their help
- Spent about 50% of the ad-hoc time walking through the draft section by section
 - No BIG errors
 - Transposition errors from .PPT to .FM
 - Minor errors described in consensus section

Contributions

- Received 1 contribution
 - After the deadline. There was no objection to hearing the contribution
 - Allocated about 25% to presentation and discussion
- Contribution discussed the merit of using a SM vs. textual description of behaviour
- *Consensus recommendation was to make no changes to the draft based on the contribution*

Straw Polls

- Affirm that all the functionality currently captured in the State Machines and associated text
 - Y: 4
 - N: 1
 - Abstain / Did not vote / Left Call: 2
- Prefer to have L2 behaviour described in State Machines as opposed to text
 - Y: 5
 - Y*: 1
 - N: 0
 - Abstain / Did not vote / Left Call: 1

Consensus Recommendations

- Delete refresh duty cycle from 78.4.2
- Mapping of DLL_Ready
 - Add to Table 78-3 the following entry
 - aEEEDLLReady <= dll_ready
 - Entry into both SM be !dll_ready + !dll_enabled
- Left exit condition on TX UPDATE >= instead of =
- Swap the exit condition on the TX UPDATE
- On RX SM
 - change LocResolvedRxSystemValue <= NEW_RX_VALUE to
 - LocRxSystemValue <= NEW_RX_VALUE
- Fix formatting issue on RX machine
- Line 1 page 244 Transmitter instead of Receiver

Big Ticket Items for Layer 2

- Editorial
 - Fix transposition errors on diagrams
 - Redraw the diagram in frame for maintainability*
- * Not a requirement for technical completeness
- Continue to refine section
- Management and containment for Layer 2
 - Contingent on 802.3bc decision
- Changes in PHY autoneg SM to set DLL_Enable
- Proposal mentioned for fallback states
- Overall in much better shape with D1.2.1!

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Motion

- Move

- IEEE P802.3az Task Force adopt the recommendations from the Layer 2 ad-hoc as captured in ad-hoc report, diab_01_0309.pdf. Editorial team to incorporate changes into D1.3.

- M: W. Diab

- S: A. Vetteth

- All Y: 17 N: 0 A:4

- Tech (75%)

- Motion Passes 11.59AM March 11th 2009

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Future Work of the Ad-Hoc

- Overall in much better shape with D1.2.1!
 - Thank you to all the reviewers and participants
- Suggest another meeting to allow for additional review
 - Review at the end of the week based on progress