

802.3ab STATUS REPORT 11 March 99

SPONSOR BALLOT STATUS

60 eligible people in the ballot group

39 affirmative votes

7 negative votes

0 abstention votes

$46/60=76\%$ return rate

$39/46=85\%$ affirmative

COMMENT STATUS

89 comments were received:

15 TR

9 T

65 E

TR:

The task force has generated responses to all 15 TR comments.

3 rejected as outside scope

1 rejected as not needed

1 withdrawn

10 accepted

T:

1 withdrawn

8 accepted

E:

In reviewing the editorial comments two related problems were identified.

The editor identified four additional problems that require editorial changes.

Regarding the disapprove ballots containing TR comments which raise the issue of requiring working hardware prior to standard approval, the task force finds that these comments propose no changes to the text of the draft which will resolve them. Accordingly, the task force rejects these comments.

Additionally, in response to the concerns raised in these comments, the task force notes the following:

- IEEE802.3ab (1000BASE-T) D5.1 has passed the LMSC recirculation ballot.
- IEEE802.3ab has satisfied the PAR to the best of their ability.
- It has not been shown or demonstrated that there are any flaws in the 1000BASE-T specification that would affect interoperability.
- Broad market potential as been demonstrated in the PAR.
- The standard is based on approximately five years of effort by an acknowledged group of experts.
- Multiple independent simulations have verified the technology.
- At least six vendors have indicated that they are implementing 1000BASE-T technology and that they do not anticipate any technical changes to the draft.
- The 802 maintenance process will allow for changes to the 1000BASE-T specification, should they be needed.
- It is not the responsibility of 802.3 to ensure the commercial success of 1000BASE-T.

M: DiMinico

S: Jover

Approved unanimously, no abstentions

We, IEEE 802 members, representing the companies listed below, have reviewed the IEEE 802.3ab draft and are confident in the technology specified.

We are currently implementing this technology and we do not anticipate any technical changes to the draft. We have independently performed simulations of this technology (i.e., multiple independent simulations) and are confident in coming Si implementations.

We fully anticipate that any issues resulting from early Si testing will be due to specific Si implementation and will not be the result of technical shortcomings in the draft.

Analog Devices

Broadcom


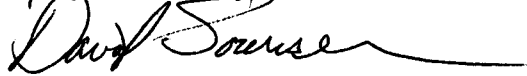
Level One



Micro Linear

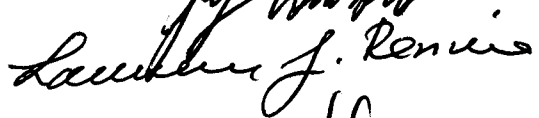
National

RocketChips

TDK







TECHNICAL CHANGES TO 802.3ab D5.1 (TO REVIEW)

In 40.3.1.3.1 tune the text to clarify initialization of scrambler bits. (18TR)

In 40.4.4.1.1 tune the heading and text to generalize the example solution. (20TR)

In 40.6.1.3.3 tune the text to more crisply defined grounding requirements. (15TR)

In 40.8.2 tune text to reflect the status of repeaters in 1000BASE-T. (88TR)

In 40.8.2 tune the text on crossover to ensure consistency. (87TR)

In 40.11.1 delete the current text on telephony voltage and replace it with telephony voltage text from clause 14. (10TR)

In 40.11.3, change “bits” to “bit times.” In tables 40-13, 40-14 and 40-15, change “bits” in header columns to “Bit Times” and remove “BT” from body cells. (8TR)

In 40.3.1.3.5 tune the text to harmonize with the subclause introduction by replacing “PCS Transmit” with “by mapping”—four instances. (63, 64, 65, 91—all T)

In 40.3.1.3.5 tune text to more adequately reflect the state machine and remove “shalls.” (65T)

In 40-9 add two transition descriptors to state machine. (67T)

In 40.4.5.1 tune text to remove redundant “shall.” (55T)

In Figure 40-17 change "POWER_ON = TRUE + RESET = TRUE" to "pma_reset=ON". Remove variable POWER_ON and RESET from 40.4.5.1 on page 40-48. (50T)

In 40.4.5.1 modify the text defining the variable Link_Det by changing "link_status=READY" to "link_status=READY or link_status=OK" (42E)

MOTION 1 (Technical---approved)

“Move that the 802.3ab Chair ask 802.3 Working Group to forward the 1000BASE-T draft standard to the 802 Executive Committee for submission to RevCom for consideration at the June 1999 meeting, under the 802 contingent approval policy.”

**Moved by J. Jover, seconded by C. Mick.
Passed unanimously with no abstentions.**

RESULTS OF THE REVIEW PROCESS:

4 negative ballots remain

Changes resulting from the resolution of 15 comments are deemed necessary of recirculation and review by the Sponsor Ballot Group.

The task force will recirculate 802.3ab to allow the sponsor ballot group to review technical changes made to the draft in response to comments received during the just-completed sponsor ballot recirculation.

The task force believes that the recirculation process will be completed in time for 802.3ab to be placed on the June REVCOM agenda for review and subsequent approval as a standard.

EXECUTIVE COMMITTEE FOR SUBMISSION TO REVCOM FOR
consideration at the June 1999 meeting, under the 802 contingent
approval policy.

M:

S:

Y: _____ N: _____ A: _____