Cl **00** *SC* **0** *P* *L* # 116

Anslow, Pete — Ciena

Comment Type **TR** *Comment Status* **A** *25G*

The objectives of the P802.3bq project were changed by motion #32 of the Berlin plenary to include:
"Support a data rate of 25 Gb/s at the MAC/PLS Service Interface
Define a single 25 Gb/s PHY supporting operation on the link segment"

This draft does not include a PHY to satisfy these objectives

SuggestedRemedy

Either:
remove the objectives
or:
modify the project PAR and CSD responses to reflect the additional objectives and revise the draft to include a suitable PHY

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.
Objectives are removed AND
PAR modifications were accidently omitted from motions at Berlin plenary - project CSD modifications were approved.
Move project PAR for WG approval and progress project documentation at earliest opportunity.

Cl **01** *SC* **1.3** *P* **20** *L* **8** # 228

Booth, Brad — Microsoft

Comment Type **TR** *Comment Status* **R** *Cablingrefs*

Reference to ANSI specification is incorrect. This draft specification must reference an existing specification or draft specification, not a pending specification.

SuggestedRemedy

Provide the correct reference.

Response *Response Status* **U**

REJECT.
Referenced document is a draft specification.

Cl **113** *SC* **113.7.1** *P* **174** *L* **3** # 480

Thompson, Geoff — GraCaSI S.A.

Comment Type **TR** *Comment Status* **A** *Cabling*

It says in this line that 40GBASE-T uses "star topology". That is untrue. It uses point-to-point topology as do ALL 802.3 devices which utilize "Link Segments".

SuggestedRemedy

Replace "star" with "point-to-point"

Response *Response Status* **U**

ACCEPT IN PRINCIPLE.

Change: a) 40GBASE-T uses a star topology with balanced cabling listed in Table 113–22 used to connect PHY
entities.

To: a) 40GBASE-T uses balanced cabling listed in Table 113–22 in a star topology to connect PHY entities.

Cl **113** *SC* **113.8.1** *P* **183** *L* **3** # 466

Lackner, Hans — QoSCom GmbH

Comment Type **TR** *Comment Status* **R** *MDI*

IEC 60603-7-51/81 is not suitable for all applications. It should be possible to use as alternative connector IEC 61076-3-110 or 60603-7-82.

SuggestedRemedy

If backward compatibility offered with IEC 60603-7-81 is not required, the interface specified in IEC 61076-3-110 or 60603-7-82 may be used.

Response *Response Status* **U**

REJECT.

Motion: To implement suggest remedy "If backward compatibility offered with IEC 60603-7-81 is not required, the interface specified in IEC 61076-3-110 or 60603-7-82 may be used."
M: Val Maguire
S: Yakov Belopolsky
Y:6
N:16
A:2

IEC 60603-7-51/81 shall be used. 113.8.1 MDI connectors
Eight-pin connectors meeting the requirements of IEC 60603-7-51 (published) with the improved characteristics and frequency extensions specified in IEC 60603-7-81 shall be used as the mechanical interface to the balanced cabling. The plug connector shall be used on the balanced cabling and the jack on
the PHY.

Cl **113** *SC* **3** *P* **99** *L* # 403

Wang, Zhongfeng
Broadcom Corp.

Comment Type **TR** *Comment Status* **R** *PCS*

Table 113-2
title: Trancoded bocks including control blocks (without leading 0).

Given the trancoding operation shown in Table 113-2, we always move control blocks to the top and dmove ata blocks to the bottom. Since data blocks in original 512B block can be in any row, this operation will involve muxing logic for all 64 bits for every data and control block, which casue extra hardware. In addition, at the receiver side, we need wait until entire 513B data is received before finishing reverse trancoding.

SuggestedRemedy

1) We only need swap location of first byte for each data or control block.
This leads to much reduced muxing logic.
2) We transmit the first bytes of each data and control block immediately after leading 0. Then we transmit the rest 7 bytes for each data and control block. This will save signiifcant processing latency at receiver side.

The aboves changes fully maintain data mapping of original trancoding operation for each data byte. Only data reordering is involved. So there is no performance hurt.

Please see wang's contributions for detailed description.

Response *Response Status* **U**

REJECT.
Attempt at accept-in-principle:

Make changes documented in Text-comments-40G-T-transcoding.pdf, with the following changes:
give Editor license to connect text edit (3) in "comments…" correctly to referenced 'above case with pure data blocks'.

Straw Poll: Y: 8 N: 11

No consensus to make change