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| 8802-3/802.3 REVISION REQUEST 1246 |
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DATE: 16th July, 2013
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REQUESTED REVISION: Technical
STANDARD: 802.3
CLAUSE NUMBER: 86.10.2.1
CLAUSE TITLE: Physical Medium Dependent (PMD) sublayer and
medium, type 40GBASE-SR4 and 100GBASE-SR10

PROPOSED REVISION TEXT:
Note "a" of Table 86-13 replace "300 ps" with "0.6 ns".
Change the 2.5 ns value in Table 86-13 to 2.2 ns.

RATIONALE FOR REVISION:
The value of 300 ps stated in Note "a" to table 86-13 is too low by a
factor of two. This value is believed to have originated from
misapplication of the skew model kolesar_02_0508 which provides a value
for variation within a lane. This value must be multiplied by 2 to
account for variation across lanes. See kolesar_01_0613_mmf for more
details. Further, the units in Note "a" should ideally match those
for the other skew parameters in Table 86-13. Also the sum of the
Note "a" value and the value in Table 86-13 for Cabling Skew Variation
must equal the 2.8 ns allocation described in clause 86.3.2.

IMPACT ON EXISTING NETWORKS:
No impact. The Cabling Skew Variation in practice is far lower than
the allowed limits per above cited reference contributions. This change
corrects an in consequential error.

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| Please attach supporting material, if any |
| Submit to:- David Law, Chair IEEE 802.3 |
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3 |
| At:- E-Mail: stds-802-3-maint-req@ieee.org |
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| For information about this Revision Request see - |
| http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1246 |
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