DATE: 25 May 2023
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REQUESTED REVISION:
STANDARD: 802.3-2022
CLAUSE NUMBER: 87 (and 88 and 122)
CLAUSE TITLE: Physical Medium Dependent (PMD) sublayer and medium,
type 40GBASE-LR4 and 40GBASE-ER41

PROPOSED REVISION TEXT:
Measuring wavelength and SMSR.
In several optical clauses, 87.8.3, 88.8.2, and 122.8.2, "and side mode
suppression ratio (SMSR)" was added in the cj project to the "wavelength"
subclause under subclause "Definition of optical parameters and
measurement methods". In these subclauses compliance for SMSR is provided
with reference to a certain table, which are all wavelength tables and
not SMSR. SMSR is specified in the transmitter table.

This could be fixed as follows:
87.8.3: refer to Table 87-7 instead of 87-5.
88.8.2: refer to Table 88-7 instead of 88-5.
122.8.2:
Change:
The wavelength and SMSR of each optical lane shall be within the ranges
given in Table 122-9 for 200GBASE-FR4, 200GBASE-LR4, and 200GBASE-ER4 and in Table 122-10 for 400GBASE-FR8, 400GBASE-LR8, and
400GBASE-ER8, if measured per IEC 61280-1-3.
To:
The wavelength and SMSR of each optical lane shall be within the ranges
given in Table 122-9 for 200GBASE-FR4, 200GBASE-LR4, and 200GBASE-ER4 and
in Table 122-10 for 400GBASE-FR8, 400GBASE-LR8, and 400GBASE-ER8, if
measured per IEC 61280-1-3.

RATIONALE FOR REVISION:
In several optical clauses, 87.8.3, 88.8.2, and 122.8.2, "and side mode
suppression ratio (SMSR)" was added in the cj project to the "wavelength"
subclause under subclause "Definition of optical parameters and
measurement methods". In these subclauses compliance for SMSR is provided
with reference to a certain table, which are all wavelength tables and
not SMSR. SMSR is specified in the transmitter table.

IMPACT ON EXISTING NETWORKS:
None.
Please attach supporting material, if any

Submit to:  
David Law, Chair IEEE 802.3

and copy:  
Adam Healey, Vice-Chair IEEE 802.3

At:  
E-Mail: stds-802-3-maint-req@ieee.org

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REV REQ NUMBER: 1406
DATE RECEIVED: 26 May 2023
EDITORIAL/TECHNICAL
ACCEPTED/DENIED
BALLOT REQ'D   YES/NO
COMMENTS:

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1406

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Page 2