DATE: 10/1/2020
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REQUESTED REVISION:
STANDARD: 802.3-2018
CLAUSE NUMBER: 82
CLAUSE TITLE: Physical Coding Sublayer (PCS) for the 64B/66B type 40GBASE-R and 100GBASE-R

PROPOSED REVISION TEXT: Change footnote (a) of Table 82-1 to read “INCITS T11 Fibre Channel uses 0 code 0x5C for the Signal ordered set. OIF uses 0 code 0x5 for the FlexE [B58] ordered set. ITU-T uses 0 code 0xC for the G.8312 [Bx] MTN Path ordered set." Add a bibliographical reference to "ITU-T G.8312 Interfaces for the metro transport network" in Annex A.

RATIONALE FOR REVISION: ITU-T SG15 sent communicated their intention to use this 0 code value in a Sept. 2020 liaison to IEEE 802.3. The liaison indicated that 802.3 could expect an associated maintenance request. The ITU-T draft Recommendation text was attached in https://www.ieee802.org/3/private/liaison_docs/itu/0920_SG15-LS269-att-TD568R1.docx.

IMPACT ON EXISTING NETWORKS: None. The revision would document an ordered set O code used on ITU-T defined MTN PHYs, similar to the Fibre Channel “signal ordered set” that is not expected to be received on an Ethernet interface. Receiving that ordered set is an error today, and would still be an error after the change. The change would only alert future 802.3 projects of the ITU-T use of the code to allow this to be taken into consideration if a future IEEE 802.3 project needs to define a new type of ordered set.

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

For information about this Revision Request see - http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1381