INTERNATIONAL TELECOMMUNICATION UNION

TELECOMMUNICATION STANDARDIZATION SECTOR

STUDY PERIOD 2017-2020

SG15-LS269

STUDY GROUP 15

Original: English

Question(s):	11/15	E-meeting, 7-18 September 2020

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Ref.:SG15-TD560-PLEN-Annex D

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Source:	ITU-T Study Group 15
Title:	LS on ITU-T use of a distinct Ethernet O code in G.8312

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LIAISON STATEMENT

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For action to:	-
For comment to:	-
For information to:	IEEE 802.3 Maintenance Task Force
Approval:	ITU-T SG15 meeting (E-meeting, 18 September 2020)
Deadline:	-

Contact:	Steve Gorshe Rapporteur Q11/15	Tel: +1 503 479 2337 E-mail: steve.gorshe@microchip.com
Contact:	Tom Huber Associate Rapporteur Q11/15	Tel: +1 630 352 9005 E-mail: tom.huber@nokia.com

Keywords:

Abstract: Liaison regarding G.8312 use of a distinct Ethernet O code for MTN Path OAM blocks.

ITU-T SG15 has recently consented new Recommendation G.8312 *Interfaces for a metro transport network*. The interface is specified as a shim layer within the IEEE 802.3 clause 82 PCS, existing between the PCS encoder/decoder and scramble/descramble functions. The client signals and operational, administrative and maintenance (OAM) are encoded into sequences of clause 82 conformant 64B/66B blocks. The MTN Path Layer OAM is carried in Type 0x4B control blocks (Ordered set block type) that is inserted by the MTN Path source and removed by the MTN Path sink. In order for the MTN sink to properly distinguish these MTN OAM blocks from Ethernet Ordered set blocks, G.8312 specifies the use of the 0xC O code value. This O code value was chosen to provide reasonable Hamming distance from the Ethernet 0x0 O code of IEEE 802.3 Table 82-1 and those used by INCITS T11 and OIF, as listed in the note below the table.

We wanted to inform you of this new Recommendation and new O code use so that you will have the proper context when you receive a maintenance request at a future meeting to add it to the Table 82-1 note.

Attachment TD568R1/Plen