



INTERNATIONAL TELECOMMUNICATION UNION

**TELECOMMUNICATION  
STANDARDIZATION SECTOR**

STUDY PERIOD 2017-2020

**SG15-LS27  
STUDY GROUP 15**

**Original: English**

**Question(s):** 2/15

Geneva, 19-30 June 2017

**Ref. SG15-TD19R1/PLEN Annex 5**

**Source:** ITU-T Study Group 15

**Title:** Comments on convergence, wavelength plans, and ongoing communications

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**LIAISON STATEMENT**

**For action to:** IEEE P802.3ca

**For comment to:**

**For information to:**

**Approval:** ITU-T SG15 (Geneva, 30 June 2017)

**Deadline:** 31 July 2017

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**Keywords:** Insert keywords separated by semicolon (;)

**Abstract:** This liaison discusses the general concept of standards convergence for PONs, and specifically presents one key issue: the wavelength plan. Arrangements for further information exchanges are discussed.

Dear Mr. Knittle,

Question 2 would like to thank IEEE P802.3ca for your liaison of January 2017, which discussed the coexistence possibilities for various wavelength plans under consideration at that time. Our group is now working on a supplementary document (G.sup.HSP) to analyse all the possibilities for PON systems with per-wavelength speeds higher than 10 Gb/s. As mentioned in our previous reply, there is high interest in harmonizing our work with yours, because all our member companies recognize the high value of sharing a common market for optical and electronic devices.

Even at this early stage, our group agrees that certain coexistence capabilities are very important. It would be most advantageous if the IEEE P802.3ca group adopt a wavelength plan that allowed coexistence with the G.984 (G-PON), J.185/6 (RF-overlay), G.987 (XG-PON), G.987.1 (XGS-PON), and G.989 (NGPON2) systems, preferably by WDM means. If this could be made an objective of your task force, it would be a very strong indication of the support of PON convergence by the IEEE P802.3ca group.

Question 2 would also like to build up our communication channel to IEEE P802.3ca. Mr. Edward Walter ([ew8532@att.com](mailto:ew8532@att.com)) has been appointed as our liaison rapporteur to help facilitate this. On

an ongoing basis, he will prepare reports on the progress of each group and submit them to the other group. He will also help to conduct any liaisons from one group to the other. We hope that this will make our communications more efficient and timely.

We look forward to a successful future collaboration between our two groups.

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