



Question(s): 4, 5, 6, 8, 10, 11, 13/5

31 May 2011

LIAISON STATEMENT**Source:** ITU-T Study Group 5**Title:** Request for a liaison on Ethernet port isolation between ITU-T SG5 Home Networks Special Group and the IEEE 802.3 Group

LIAISON STATEMENT**For action to:** IEEE 802.3 group**For comment to:****For information to:****Approval:** ITU-T SG5 Management team by correspondence (31 May 2011)**Deadline:** 15 September 2011

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In November 2008, the ITU-T Study Group 5 (SG5) agreed to set up a Home Networks Special Group. This Focus Group would study some issues regarding damage to equipment in the home environment previously reported in the 2005 – 2008 study period. A description of the Home Networks Special Group can be found at:

<http://www.itu.int/en/ITU-T/studygroups/com05/Pages/hnsg.aspx>

The Home Networks Special Group is comprised of ITU-T SG 5 Questions 4, 5, 6, 8, 10, 11 and 13. Details of these Questions can be found at:

<http://www.itu.int/net/ITU-T/lists/questions.aspx?Group=5&Period=14>

A two-hour Technical Session on “Home Networks” was held at the 27 April - 5 May 2011 SG 5 meeting. This technical session provided information on damage occurring to Home networks in Japan and the US. The critical issue is that Home Networks connected to an Optical Network Termination (ONT) are not immune from lightning damage as may be expected. Information on providing protection against such events was provided.

The results of this study will be to modify existing and create new ITU-T K-series Recommendations. Without some document coordination between the IEEE 802.3 Group and the ITU-T SG 5 Home Networks Special Group interpretation conflicts are likely to arise on Ethernet

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equipment and ports in terms of lightning surge resistibility and isolation. We are therefore requesting a liaison with IEEE 802.3 group for each to understand the others' position and to mitigate potential conflicts for stakeholders.
