



Question(s): 2, 4, 5/5

Kochi, 8-19 December 2014

Ref.: TD 0917 (GEN/5)**Source:** ITU-T Study Group 5**Title:** LS/o on the new ITU-T SG5 Recommendations related to Ethernet port protection

LIAISON STATEMENT**For action to:** -**For comment to:** -**For information to:** IEEE 802.3 Ethernet Working Group**Approval:** ITU-T Study Group 5 (Kochi, India, 19 December 2014)**Deadline:** 1 April 2015

Contact: Célio Fonseca Barbosa
CPqD
BrazilTel: +55 19 3705 6258
Fax: +55 19 3705 6130
Email: gcelio@cpqd.com.br

Contact: Michael J Maytum
Bourns Ltd
UKTel: +44 (0)1234 838589
Email: m.j.maytum@ieee.org

IEEE 802.3 Ethernet Working Group advised ITU-T Study Group 5 that it would like to share information between the two groups on the topic of protection of Ethernet ports and that the possible issuance of new or revised ITU-T K-series Recommendations, is of great interest to the IEEE 802.3 Ethernet Working Group.

The IEEE 802.3 Ethernet Working Group would like to request that any draft material of ITU-T K-series Recommendations concerning Ethernet port protection be made available for comment by the group.

Since the last SG5 liaison message to the IEEE 802.3 group ([LS77](#)), made from the ITU-T SG5 meeting at Seoul, 20-28 September 2011, a new ITU-T Recommendation has been developed and published.

ITU-T K.95 (02/2014) Surge parameters of isolating transformers used in telecommunication devices and equipment: Telecommunication devices and equipment can use non-linear limiting, linear attenuating, or both types of functions to mitigate surges occurring on services. Isolating transformers attenuate common-mode voltage surges on a service. Recommendation ITU-T K.95 gives test methods and preferred values for the isolating transformer surge parameters that are harmonized with established international standards on insulation coordination levels and test techniques.

This document is available for download at <http://www.itu.int/rec/T-REC-K.95-201402-I>.

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A new ITU-T Recommendation on generic surge protection techniques has been published and this may be of interest to the IEEE 802.3 group.

ITU-T K.96 (02/2014) Surge protective components: Overview of surge mitigation functions and technologies: Recommendation ITU-T K.96 presents information on the basic forms of surge mitigation and component technologies available to device and equipment designers. Following this basic Recommendation, further Recommendations in this surge protective components series will describe the applications principles of specific component technologies.

This document is available for download at <http://www.itu.int/rec/T-REC-K.96-201402-I> .

ITU-T Study group 5 has also been working on revising Recommendation ITU-T K.20: “Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents”, Recommendation ITU-T K.21 “Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents” and Recommendation ITU-T K.44 “Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents – Basic Recommendation”.

It is expected that work will continue on the protection of Ethernet network equipment in this 2013-2016 study period.

ITU-T Study Group 5 would like to continue to share information on this topic.
