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| **Telecommunication StandardizationBureau** | ITU logo |
|  | Geneva, 27 November 2014 |
| Ref: | **TSB Circular 127**COM 5/CB | - To Administrations of Member States of the Union |
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| E-mail: | tsbsg5@itu.int  | **Copy:**- To ITU-T Sector Members;- To ITU-T Associates;- To ITU-T Academia;- To the Chairmen and Vice-Chairmen of all ITU-T Study Groups;- To the Director of the Telecommunication Development Bureau;- To the Director of the Radiocommunication Bureau |
| Subject: | **Questionnaire on electromagnetic interference (EMI) between radio devices and cable or equipment connected to broadband networks**  |

Dear Sir/Madam,

During the last meeting of Working Parties 1 and 2 of Study Group 5, which took place in Geneva from 23 to 29 July 2014, it was decided, within the framework of the study conducted under Question 8/5 (*EMC issues in home networks*), to produce the questionnaire which is described below:

# “Questionnaire on electromagnetic interference (EMI) between radio devices and cable or equipment connected to broadband networks”

This Questionnaire is aiming to collect information about interferences between radio devices and cable or equipment connected to broadband wired networks or cable television networks in house. Collected information will be analysed to be used to draft new Recommendation ITU-T K.mhn “Techniques to mitigate interference between radio devices and cable or equipment connected to wired broadband networks and cable television networks”.

Along with the advances in radiocommunication technologies, possible interference between in- home-use radio devices and cable or equipment connected to wired broadband networks and cable television networks may create a new phenomenon of interference between radio devices and telecommunication devices.

Recommendation ITU-T K.mhn is expected to give guidance to solve interference problems in home networking, produced by radio devices and cable or equipment connected to wired broadband networks and/or cable television networks. It is also expected to provide appropriate measures to be applied to the cable and the equipment connected to wired broadband networks (e.g. Asymmetric digital subscriber line (ADSL), Very-high-bit-rate digital subscriber line (VDSL), and Power Line telecommunications (PLT)) and/or cable television networks for solving the interference as well as to provide procedures to address these issues.

Interference between radio services and cable or equipment connected to broadband wired networks or cable television networks in home has been experienced by some telecommunication operators however there is insufficient information related to this phenomenon.

Therefore, this Questionnaire is issued in order to ask to all ITU-T Member States, Sector Members, Academia, and Associates to provide their input.

The web-based questionnaire can be accessed at the following address:

<https://www.itu.int/en/ITU-T/studygroups/2013-2016/05/Pages/questionnaires/radio-cable-equipment.aspx>

I would be very grateful if you could fill in the online questionnaire and submit it not later than
20 February 2015.

Should you have any questions, please do not hesitate to contact Ms. Cristina Bueti (tsbsg5@itu.int).

The success of this questionnaire depends on the responses that are received from ITU-T Member States, ITU-T Sector Members, Academia, and Associates. I urge you to take the time to fully respond to the survey and submit your responses before the above-mentioned deadline.

Thank you in advance for your cooperation.

Yours faithfully,

Malcolm Johnson
Director of the Telecommunication
Standardization Bureau