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| **Telecommunication Standardization Bureau** | | ITU logo |
|  | | Geneva, 27 November 2014 |
| Ref: | **TSB Circular 128**  COM 5/CB | - To Administrations of Member States of the Union |
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| E-mail: | [tsbsg5@itu.int](mailto: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 EMI related to emission on AC mains below 150 kHz** | |

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 9/5 (*Generic and product family EMC recommendations for telecommunication equipment*), to produce the questionnaire which is described below:

**“*Questionnaire on Electromagnetic Interference (EMI) related to  
 emission on AC mains below 150 kHz*”**

This Questionnaire is aiming to collect information about Electromagnetic Interference (EMI) including malfunction on telecommunication or IT equipment caused by noise on AC mains (power line) below 150 kHz. Collected information will be analysed in order to establish appropriate EMC requirement below 150 kHz.

The number of emission sources below 150 kHz, such as a Power Conditioning Subsystem (PCS) and Uninterruptible Power Supply (UPS) is increasing. Therefore, it is foreseen that the electromagnetic noise below 150 kHz at AC mains will increase in telecommunication equipment and may cause interferences. Some interference to telecommunication systems has been reported for this study however at present 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/emission-on-acmains.aspx>

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

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

The success of this questionnaire is dependent 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