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North American Broadcasters Association (NABA)

DRAFT REVISION TO QUESTION ITU-R 221-1/1

The North American Broadcasters Association (NABA, www.nabanet.com) is an association of broadcasters in Canada, Mexico, and the United States, and the NABA Technical Committee is its standing technical body. NABA is thus in a position to present the technical viewpoints of the most authoritative association of professional North American Broadcasters in television and sound programme production, post-production, and distribution for terrestrial, satellite, and cable broadcasting.

NABA is a Sector Member of ITU-R and a long-time participant in ITU-R Study Groups, Working Parties, Task Groups, Rapporteur groups, etc. NABA numbers among its members Chairmen, Vice-Chairmen and members of the above groups. NABA also participates widely in the ITU work on radio, television and multimedia services and has a strong interest in spectrum management studies including spectrum engineering techniques, spectrum management fundamentals, spectrum monitoring, and inter-service sharing, interference and compatibility. NABA supports the view that sound technical studies and testing are the only practical way to lead to the establishment of effective protection criteria.

In this context, NABA notes the liaison statement from Working Party 6A to Study Group 1 (Document 1/86) that the ITU-T Sector Study Group 15 has approved a new Recommendation G.9960 “Unified high-speed wire-line based home networking transceivers – Foundation” authorizing domestic transceivers to operate in the Power Line Telecommunication (PLT) mode in bands up to 200 MHz and beyond, thereby increasing the potential for severe interference into the broadcast services. This Recommendation exposes all radiocommunication services to uncontrolled interference in frequency bands up to 200 MHz (including the broadcast AM, FM, VHF analog and digital TV bands) and possibly up to 1 GHz according to some indication in a contribution that Working Party 6A has received from Japan.

Consequently, the Question ITU-R 221-1/1 entitled “Compatibility between radiocommunication systems and high data rate telecommunication systems using wired electrical power supply” needs to be revised in order to address and assess the impact on the performance of radiocommunication systems. NABA offers a revision to Question ITU-R 221-1/1 which addresses this extended threat to radiocommunications.

Annex

DRAFT REVISION TO QUESTION ITU-R 221-1/1

Compatibility between radiocommunication systems and high data rate telecommunication systems using wired electrical power supply

(2000-2007)

The ITU Radiocommunication Assembly,

considering

- a) that electricity power supply continues to be used for low data rate telemetry or control purposes in LF bands;
- b) that electricity power supply is generally not designed or installed in such a way that RF radiation will be minimised;
- c) that new telecommunication systems are being designed which will operate with data rates up to 1 Gb/s, with carrier frequencies in the HF, VHF, and UHF bands;
- d) that any radiation from such systems may affect the use of radiocommunication systems, particularly at LF, MF, HF, VHF, and UHF,

decides that the following Question shall be studied

1 What are the acceptable levels of radiation from telecommunication systems utilising wired electrical power supply so as not to impair the performance of radiocommunication systems?

further decides

- 1** that the results of the above studies should be included in a Recommendation or a Report;
- 2** that the studies should be completed by 2012.

Category: S2
