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North American Broadcasters Association (NABA)

FUTURE STUDIES ON RECOMMENDATION ITU-T G.9960

Rapporteur group on high data-rate power line telecommunications

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.

It was noted at the last meeting of Working Party 1A in February 2010 that the Recommendation ITU-T G.9960 entitled “*Unified high-speed wire-line based home networking transceivers*” extends the frequency range for Power Line Telecommunication (PLT) devices up to 200 MHz. Unfortunately, Document 6A/360 clearly demonstrates that the frequency range of these new PLT devices goes well beyond 200 MHz.

NABA has confirmed the measurements reported in ITU-R Document 6A/360. In fact, it was determined that a PLT device can produce signals as high as 1.9 GHz. It is clear that Recommendation ITU-T G.9960 has not adequately limited unintentional radiation in multiple frequency bands.

The concerned Study Group Chairmen have indicated that a joint action should be undertaken to revise Recommendation ITU-T G.9960. This action should be accomplished by setting up a Rapporteur Group in ITU-R Study Group 1 allowing participation of ITU-T Experts. NABA notes that Italy in Document 1/111 has agreed with this course of action.

NABA strongly supports this course of action, and would like to offer the following considerations and suggestions to enhance the efficiency of the work of this Rapporteur Group:

- 1 An early availability of the results of the work of the Rapporteur Group is of paramount importance to enable reviewing Recommendation ITU-T G.9960 before transceivers will be built and commercialised that do not include sufficient protection to existing radiocommunication services. This action is of critical interest not only to broadcasting but also to all the other concerned radio services in the ITU-R.
- 2 It is also recognized that the results of the work of the Rapporteur Group should be reflected in a document that the Rapporteur Group will submit to the parent Study Group for approval, before they can be formally transmitted to ITU-T SG 15 to proceed for a suitable revision of Recommendation ITU-T G.9960.
- 3 The next meeting of ITU-R Study Group 1 is scheduled on June 2-3 2011. This date appears to be the only possibility to get approved results that could significantly contribute to an urgent review of Recommendation ITU-T G.9960, as outlined in 1 above.
- 4 As stated in § 2.14 of Resolution ITU-R 1-5, a Rapporteur Group should “handle urgent or specific issues”. Therefore, NABA proposes that the terms of reference of the Rapporteur Group should include a specific reporting date that allows consideration of the results of the work by Study Group 1 at its next meeting, as indicated in 3 above.

NABA wishes to express its full support to the establishment of this Rapporteur Group and its commitment to actively participate in its work.
