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World Broadcasting Unions - Technical Committee (WBU-TC)¹

ON THE STUDY OF SOFTWARE-DEFINED RADIO AND COGNITIVE RADIO SYSTEMS FOR WRC-11 AGENDA ITEM 1.19

As the technical arm of the World Broadcasting Unions, the Technical Committee (WBU-TC) is responsible for technical broadcasting issues of importance to the members of the World Broadcasting Unions. The work of the WBU-TC focuses on issues and areas to which all Unions are welcome to contribute to, and which materially affect broadcasting in all regions of the world.

The WBU-TC and its members have been following, with great interest, the discussions in ITU-R Working Party 1B concerning WRC-11 Agenda item 1.19, Resolution **956 (WRC-07)** “Regulatory measures and their relevance to enable the introduction of software-defined radio and cognitive radio systems” as described in the Chairman’s Report (Document 1B/40). The WBU-TC is quite concerned with the need and methods to protect broadcasting services from interference.

The WBU-TC fully supports the contributions from NABA in Document 1B/59 and from Working Party 6A in Document 1B/49 offering revisions to the definitions of software-defined radio (SDR) and cognitive radio systems (CRS). The WBU-TC agrees that SDR and CRS should not jeopardize the performance of the Broadcasting Service. NABA also expects that the application of SDR and CRS technologies within any radiocommunication service will not result in interference to the Broadcasting Service.

The WBU-TC is likewise deeply concerned that cognitive radio technologies will not provide adequate protection to a noise-limited radiocommunication service and, in particular, the Broadcasting Service. The WBU-TC supports the request that the CPM text addressing WRC-11 Agenda item 1.19 reflect the concern that SDR and CRS shall not jeopardize the performance of nor result in interference to the Broadcasting Service.

¹ The WBU-TC is the standing technical body of the World Broadcasting Unions, whose members are:

- Asia-Pacific Broadcasting Union (ABU)
- Arab States Broadcasting Union (ASBU)
- The African Union of Broadcasting (AUB)
- Caribbean Broadcasting Union (CBU)
- European Broadcasting Union (EBU)
- International Association of Broadcasting (IAB)
- North American Broadcasters Association (NABA)
- Organizacion de Telecomunicaciones Iberoamericanas (OTI)