

Radio Conference Subcommittee (RCS)

Preparation for ITU Radiocommunication Conferences

UNITED STATES OF AMERICA

DRAFT PRELIMINARY VIEWS ON WRC-11

AGENDA ITEM 1.22: to examine the effect of emissions from short-range devices on radiocommunication services, in accordance with Resolution **953 (WRC-07)**

ISSUE: Resolution 953 (WRC-07) invites the ITU-R to study the emissions from short-range devices (SRDs), and in particular radio-frequency identification devices (RFIDs), inside and outside the ISM bands. It further emphasizes the need to ensure adequate protection of radiocommunication services from SRD emissions.

BACKGROUND: Short-range devices have been studied in the past in both Working Parties 1A and 1B. ITU-R Question 213/1, “Technical and operating parameters and spectrum requirements for short-range devices” was adopted in 1997, resulting in Recommendation ITU-R SM.1538, “Technical and operating parameters and spectrum requirements for short range radiocommunication devices” in 2001. The ITU-R revised this recommendation in 2003 and in 2006, and work on further revisions continues in Working Party 1B.

Resolution **953 (WRC-07)** mentions ultra-wideband systems in *Considerings (b) and (d)*. Such devices have been studied extensively in Task Group 1/8, resulting in the production of four Recommendations: ITU-R SM.1754 (Measurement techniques of ultra-wideband transmissions), SM.1755 (Characteristics of ultra-wideband technology), SM.1756 (Framework for the introduction of devices using ultra-wideband technology) and SM.1757 (Impact of devices using ultra-wideband technology on systems operating within radiocommunication services).

Resolution **953 (WRC-07)** notes all of these recommendations in *Recognizing (a)*.

The primary change in direction between the current Resolution and past work seems to be the focus on the effect of emissions from short-range devices in general on radiocommunications, rather than technical characteristics of such devices and regulatory regimes or the emissions from a specific type of device.

U.S. VIEW: The United States views the regulation of short-range devices as primarily a national matter. The United States supports studies into the characteristics of short-range devices, including emissions and the effects of those emissions on radiocommunication services. (August 7, 2008)
