

RESOLUTION 953 (WRC-07)

**Protection of radiocommunication services from
emissions by short-range radio devices**

The World Radiocommunication Conference (Geneva, 2007),

considering

- a)* that short-range radio devices (SRDs) are radio transmitters or receivers, or both, and hence are not considered as industrial, scientific and medical (ISM) applications under No. **1.15**;
- b)* that SRDs, including devices using ultra-wideband (UWB) technologies, radio-frequency identification devices (RFIDs), and other similar devices, generate and use radio frequencies locally;
- c)* that SRDs cannot claim protection from interference from radio services and therefore have been developed in priority in ISM frequency bands;
- d)* that there is an increasing amount of SRDs proliferating across various frequencies throughout the spectrum, such as devices using UWB technologies or RFIDs, etc.;
- e)* that in some cases considerable energy may be radiated by RFIDs;
- f)* that some radio services, especially those using low field strengths, may suffer harmful interference from SRDs, in particular RFIDs, a risk which is unacceptable, particularly in the case of radionavigation or other safety services,

recognizing

- a)* the work carried out by ITU-R resulting in relevant ITU-R Recommendations (see ITU-R SM.1538, ITU-R SM.1754, ITU-R SM.1755, ITU-R SM.1756, ITU-R SM.1757);
- b)* the work carried out by ITU-T on RFID;
- c)* that SRDs, in particular RFIDs, hold promise for an array of new applications that may provide benefits for users;
- d)* that the characteristics of RFIDs, including the power of the transmitter, are standardized in the framework of the International Organization for Standardization (ISO),

recognizing further

Resolution ITU-R 54 of the Radiocommunication Assembly (Geneva, 2007), which resolves that ITU-R should study the capabilities of SRDs while ensuring protection of radiocommunication services,

resolves

that, to ensure that radiocommunication services are adequately protected, further studies are required on the emissions from SRDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications,

invites ITU-R

to study emissions from SRDs, in particular RFIDs, inside and outside the frequency bands designated in the Radio Regulations for ISM applications to ensure adequate protection of radiocommunication services,

invites administrations

to participate in the studies by submitting contributions to ITU-R,

instructs the Director of the Radiocommunication Bureau

- 1 to bring this Resolution to the attention of ITU-T, ISO and the International Electrotechnical Commission (IEC);
- 2 to provide the results of these studies to WRC-11 for its considerations and actions.