

## 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),

## RES953-2

*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.