

RESOLUTION 909 (WRC-12)

Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz

The World Radiocommunication Conference (Geneva, 2012),

considering

- a)* that WRC-03 introduced provisions relating to the use of earth stations on board vessels (ESVs) in certain bands allocated to the fixed-satellite service (FSS);
- b)* that the technology used by ESVs has advanced considerably since their introduction, including the use of spread-spectrum modulation and other techniques which may improve compatibility with terrestrial co-frequency services;
- c)* that ESV applications can provide high-bandwidth connectivity in areas where no alternative exists;
- d)* that ESVs may have the potential to cause unacceptable interference to terrestrial services operating in the same bands;
- e)* that earlier ITU-R studies, using technical criteria appropriate at the time, resulted in a set of limitations on the operation of ESVs contained in Resolution **902 (WRC-03)**, in order to protect terrestrial services operating in the same bands;
- f)* that these limitations and restrictions need to be reviewed in light of the new technologies being deployed;
- g)* that there are situations where there is no potential for unacceptable interference but current rules still require that an agreement be obtained from concerned administrations,

recognizing

- a)* that there are several other services than FSS to which the frequency bands 5 925-6 425 MHz and 14-14.5 GHz are allocated;
- b)* that these other services need to be protected,

resolves to invite ITU-R

1 to review the provisions relating to ESVs which operate in the FSS in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz and consider possible modifications to Resolution **902 (WRC-03)** in order to reflect current ESV technologies and technical characteristics that are being used or planned to be used, while protecting the other services referred to in *recognizing a)* and *b)* above;

2 to complete the referenced studies in time for WRC-15.