RESOLUTION [COM4/6]

Development of protection criteria for land mobile services using narrow-band frequency modulation interfered with by terrestrial audio broadcasting systems

The first session of the Regional Radiocommunication Conference (Geneva, 2004),

considering

a) that the bands 174-230 MHz and 470-862 MHz are allocated on a primary basis to the broadcasting service in the Regional Radiocommunication Conference (RRC) planning area;

b) that the band 174-223 MHz is also allocated on a primary basis to the land mobile service to countries listed in RR No. 5.235. Protection is required only between the countries mentioned in that provision;

c) that the band 174-230 MHz is allocated on a primary basis to the mobile service in the Islamic Republic of Iran, in Region 3;

d) that relevant protection criteria are required for the analysis of interference from terrestrial digital audio broadcasting (T-DAB) systems to land mobile radio services using narrow-band frequency modulated equipment during the development of the new plan and its implementation;

e) that land mobile radio services using narrow-band frequency modulated equipment typically use different antenna systems and different antenna heights for base station reception and mobile station reception and it is likely that different values of field strength may need to be protected in each case,

noting

that ITU-R has developed protection criteria for the land mobile service (with the same operational characteristics as those in *considering e)* above) from terrestrial digital video broadcasting (DVB-T) emissions,

noting further

that ITU-R has also developed protection criteria to protect the land mobile service from T-DAB emissions that do not take into account the use of different antenna systems,

resolves to invite ITU-R

to carry out additional studies, as a matter of urgency, in order to develop protection criteria for land mobile radio services using narrow-band frequency modulated equipment, with different antenna systems and heights for the base station, which are interfered with by T-DAB systems; and to update, if necessary, the existing information in Annex 1 to Chapter 4 of the report from the first session of the conference to the second session,

urges administrations

to actively participate in these studies and to provide, whenever available, measured protection criteria for the sharing scenarios mentioned in *resolves to invite ITU-R*,

instructs the Secretary-General

to bring the results of the studies called for in this resolution to the attention of the second session of the Regional Radiocommunication Conference.