RESOLUTION [COM4/4]

Studies of radiowave propagation in the planning area

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

considering

a) that the first session of the conference adopted a propagation prediction method for use in the planning of the bands 174-230 MHz and 470-862 MHz and for associated compatibility analyses;

b) that the prediction method takes account of the geographic variation in propagation behaviour in the planning area due to differences in atmospheric refractivity and that this variation is depicted in a map of propagation zones adopted by the conference;

c) that the accuracy of propagation predictions in the planning area is dependent on the representative values of vertical refractivity gradient selected for the propagation zones;

d) that Recommendation ITU-R P.453 provides global numerical maps of the vertical refractivity gradient derived from measurements made throughout the world,

recognizing

that further information on refractivity and ducting in the planning area will depend on new measurements of vertical refractivity gradient becoming available,

resolves to invite ITU-R

taking into account the measurement results provided by administrations, to undertake studies on refractivity and ducting in the planning area with a view to reviewing and, if necessary, revising the corresponding map of propagation zones adopted by the first session of the conference,

urges administrations

to provide ITU-R with results of measurements of vertical refractivity gradient for their territories,

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.