

## RESOLUTION 74 (REV.WRC-03)

**Process to keep the technical bases of Appendix 7 current**

The World Radiocommunication Conference (Geneva, 2003),

*considering*

- a)* that Appendix 7 provides the method for the determination of the coordination area of an earth station, and the assumed technical coordination parameters for unknown terrestrial stations or earth stations;
- b)* that the technical coordination parameters are contained in Tables 7, 8 and 9 of Annex 7 to Appendix 7;
- c)* that the technical coordination parameter tables are based on Recommendation ITU-R SM.1448;
- d)* that ITU-R studies on methods for the determination of the coordination area of an earth station are continuing, and the conclusions of these studies could lead to revision of Appendix 7; these methods under study are:
- methods considering the cumulative impact in determining the coordination areas for high-density earth stations (fixed and mobile);
  - methods to address the modelling of VHF/UHF frequencies for percentages of time less than 1%;
  - methods to address propagation mode (1) water vapour density for both radio climatic Zones B and C;
  - refinements to propagation mode (2) to address elevation angle dependency and the displacement of the centre of the propagation mode (2) contour from the coordinating earth station;
- e)* that the technical coordination parameter tables may also need to be modified when changes are made to the Table of Frequency Allocations at future world radiocommunication conferences (WRCs), or due to changes in technology or in applications;
- f)* that the technical coordination parameter tables do not include values for all the necessary parameters of certain space radiocommunication services and terrestrial radiocommunication services sharing frequency bands with equal rights,

*recognizing*

- a)* that Recommendation ITU-R SM.1448 was developed by ITU-R as a basis for the revision of Appendix 7;
- b)* that there is a need for future WRCs to keep Appendix 7 current with the latest techniques and to ensure protection of other radiocommunication services sharing the same frequency bands with equal rights, particularly through revision of the tables of technical coordination parameters,

## RES74-2

*invites ITU-R*

- 1 to continue its study, as required, of the technical bases used for determination of the coordination area of an earth station, including recommended values for the missing entries in the tables of technical coordination parameters (Annex 7 to Appendix 7);
- 2 to maintain the relevant ITU-R texts in a format which would facilitate the future revision of Appendix 7;
- 3 to assess the significance of changes to the technical bases,

*resolves*

- 1 that when ITU-R concludes, based on its studies of the methods in *considering d)* for determination of the coordination area of an earth station and/or the values of technical coordination parameters, that a revision of Appendix 7 is warranted, the matter shall be brought to the attention of the Radiocommunication Assembly;
- 2 that, if the Radiocommunication Assembly confirms the improvements of the methods in *considering d)* for determination of the coordination area of an earth station and/or the values of technical coordination parameters which have been presented by ITU-R, the Director of the Radiocommunication Bureau shall identify the matter in the Director's report to the following WRC,

*invites*

- 1 WRCs, when presented with any significant changes through the Director's report, to consider the revision of Appendix 7 in light of the recommendation of the Radiocommunication Assembly, pursuant to *resolves* 1 and 2 above;
- 2 each WRC, when modifying the Table of Frequency Allocations, to consider any consequential changes that may be required to the technical coordination parameters of Annex 7 to Appendix 7 and, if necessary, request ITU-R to study the matter.