

RESOLUTION ITU-R 8-4

Radio-wave propagation studies and measurement campaigns in developing countries

(1993-2000-2015-2019-2023)

The ITU Radiocommunication Assembly,

considering

- a)* the importance of radio-wave propagation measurement campaigns for acquiring data for the planning and coordination of various radiocommunication services, particularly at regional and subregional levels in developing countries;
- b)* that various recommendations of world radiocommunication conferences have requested the Radiocommunication Study Groups to encourage and assist in initiating the study of radio-wave propagation and radio noise in those areas where few or no measurements have been made;
- c)* that Resolution 5 (**Rev.WRC-15**) resolves to instruct the Secretary-General to offer the assistance of the Union to developing countries in the tropical areas which endeavour to carry out national propagation studies in order to improve and develop their radiocommunications; and to assist these countries, if necessary with the collaboration of international and regional organizations which may be concerned, in carrying out national propagation measurement programmes, including collecting appropriate meteorological data; and to arrange funds and resources for this purpose from the United Nations Development Programme (UNDP) and other sources in order to enable the Union to provide the countries concerned with adequate and effective technical assistance for the purpose of that Resolution,

recognizing

- a)* that there continue to be many regions of the world, particularly in the tropical and subtropical areas, for which propagation measurement campaign data are not available;
- b)* that these propagation data would help to improve the propagation models, which may be more suitable worldwide,

noting with satisfaction

the contributions made by some Member States and Sector Members to the radio-wave propagation measurements in some areas of Africa, South America and Asia,

resolves

- 1 that Radiocommunication Study Group 3 should identify within its work programme and in consultation with the concerned countries, radio-wave propagation studies relating to tropical and subtropical regions of the world for which there is a lack of data;

2 that the programme of work of Radiocommunication Study Group 3 should clearly define study programmes in which engineers and scientists from the developing countries also contribute to collecting data and to developing analytical methods;

3 that scientists and engineers from developing countries should be encouraged to participate actively in these study programmes and carry out studies on topics identified by Radiocommunication Study Group 3:

- by means of research in their home countries;
- by participation, whenever possible, in meetings held in connection with Radiocommunication Study Group or Working Party meetings, in the regions concerned;
- by means of working visits to radio-wave propagation laboratories of Member States and Sector Members participating in the work of the Radiocommunication Study Groups;

4 that the Radiocommunication Bureau, with appropriate support from Radiocommunication Study Group 3, should collaborate closely with the Telecommunication Development Bureau in identifying suitable propagation measurement campaigns in the regions of interest and should offer all necessary technical guidance to the Telecommunication Development Bureau in the establishment of any such measurements;

5 that the Director of the Radiocommunication Bureau, in close cooperation with the Director of the Telecommunication Development Bureau and the administrations concerned, be requested to determine the objectives, scope, technical means and staff required for carrying out identified propagation measurement campaigns and to seek through the Secretary-General funding and other arrangements from appropriate sources to implement the above decisions with respect to propagation measurement activities;

6 that Member States and Sector Members be urged to make contributions (in cash and/or in kind) to support the radio propagation measurement campaigns in the developing countries;

7 that the administrations interested in the measurement campaigns be requested to designate suitably qualified personnel to participate actively in these campaigns.