

RESOLUTION ITU-R 21-1

COMPUTER PROGRAMS FOR RADIO-FREQUENCY MANAGEMENT

(1986-1990-1997)

The ITU Radiocommunication Assembly,

considering

- a) that many administrations and organizations create, use and exchange various computer programs for radio-frequency management;
- b) that all administrations and organizations would benefit from the exchange of these programs, particularly if procedures are employed that enable them to be used with computers that are universally available to the maximum possible extent;
- c) that some computer programs have already been offered for such an exchange and are described in the ITU-R catalogue of software for radio spectrum management and made available through the Radiocommunication Bureau (BR),

noting

- a) Resolution No. 7 (WARC-79) of the World Administrative Radiocommunication Conference (Geneva, 1979) relating to the development of national radio-frequency management and No. 37 (WARC-79) relating to the introduction and development of computer assistance in radio-frequency management within administrations;
- b) that Resolution No. 14 (WARC-79) relating to the transfer of technology, indicated needs for cooperation activities,

unanimously decides

- 1** that administrations and other participants in the Radiocommunication Study Groups work should be encouraged to submit their computer programs in accordance with Annex 1;
- 2** that the Director, BR, should be requested to:
 - 2.1** invite administrations and organizations which have such computer programs to consider the possibility of making them available to other parties through the BR in a format that is compatible with computers to the maximum possible extent;
 - 2.2** prepare and publish by means of Circular-letters information about computer programs which have been submitted;
 - 2.3** transfer, as requested, the programs that have been made available, in the form they were received and without review with minimum administrative cost;
 - 2.4** transfer these programs to the Rapporteur Group of Radiocommunication Study Group 1 for review and to examine for their portability, adequacy of documentation, and correctness, and to determine which of them may be recommended for general use;
 - 2.5** make arrangements for the BR to provide advice to the administrations that have little or no computer personnel or expertise with problems that may arise with their installation and use of these programs on microcomputers.

ANNEX 1

Information for the submission of programs

- 1 The program should be submitted on a data storage medium in current use by the ITU-R. Floppy disks (MS-DOS formatted, 3½", 760 kB or 1.44 MB) or 9-track tape (1 600 bits per inch) may be used as the file size dictates.
 - 2 The program should not be copy protected.
 - 3 The documentation should preferably include:
 - description of the engineering method used in the program and applicable limitations,
 - the users' manual,
 - samples of typical input data and expected output data to demonstrate operation of the program,
 - the program documentation to permit maintenance of the code,
 - inventory of data elements used in the program,
 - information about the computer hardware and additional software packages used to run the program.
 - 4 Summary information about the program for publishing in Circular-letters should contain:
 - title of the program,
 - sub-title of the program if any,
 - submitter/source address,
 - description of the program, with indication of the documentation's language,
 - programming language, source code,
 - mode of operation,
 - hardware requirement (i.e. monitor, printer, memory, storage capacity, RAM),
 - input requirements, including data file(s),
 - auxiliary data file(s),
 - data output,
 - output medium,
 - date of last revision,
 - references.
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