

RESOLUTION 954 (WRC-07)

Harmonization of spectrum for use by terrestrial electronic news gathering¹ systems

The World Radiocommunication Conference (Geneva, 2007),

considering

- a) that the use of terrestrial portable radio equipment by services ancillary to broadcasting, commonly described as electronic news gathering (ENG), operating in the bands allocated to the broadcasting, fixed and mobile services has become an important element in the comprehensive coverage of a wide range of internationally noteworthy events, including natural disasters;
- b) **that** WRC-03 initiated studies concerned with spectrum usage and operational characteristics of portable and nomadic links for terrestrial ENG systems operation on a global basis, in accordance with Recommendation **723 (WRC-03)**^{*};
- c) that modularization and miniaturization of terrestrial ENG systems has increased the portability for these systems and has thus increased the trend towards cross-border operation of ENG equipment;
- d) that the technical characteristics for television outside broadcast, ENG and electronic field production systems in the fixed and mobile services for use in sharing studies have been established in ITU-R Recommendations,

noting

- a) that studies undertaken by ITU-R indicate that national spectrum management could benefit from globally harmonized band planning for ENG systems;
- b) that ENG-related studies in ITU-R are based on data for current and anticipated ENG spectrum requirements collected from many administrations in all regions;
- c) that some of the frequency bands currently used for ENG have a number of technical and operational attributes making them suitable for continued long-term use for ENG;
- d) that lower frequency spectrum bands tend to provide better propagation characteristics over obstructed paths, thereby increasing the reliability of ENG links operating in these bands,

¹ For the purpose of this Resolution, ENG represents all applications ancillary to broadcasting, such as terrestrial electronic news gathering, electronic field production, TV outside broadcast, wireless radio microphones and radio outside production and broadcast.

^{*} *Note by the Secretariat:* This Recommendation was abrogated by WRC-07.

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recognizing

- a) that broadcasters now embrace advanced digital technologies that open new opportunities for both fixed and mobile ENG operations, and that these developments have spectrum related implications;
- b) that the dynamic nature of the use of ENG is driven by scheduled, unscheduled and unpredictable events such as breaking news, emergencies and disasters;
- c) that news gathering and electronic production typically takes place in an environment where several television broadcasters/organizations/networks attempt to cover the same event, creating a demand for multiple ENG links and increased demand for access to spectrum in suitable frequency bands;
- d) that access to a globally harmonized spectrum is highly desirable to facilitate the rapid and less restricted deployment and operation of ENG systems from one country to another,

resolves

- 1 that, based on studies undertaken by ITU-R, WRC-11 should address the feasibility of achieving a satisfactory degree of worldwide/regional harmonization of spectrum for ENG use in terms of the frequency bands and tuning ranges;
- 2 that methods should be identified for the possible harmonization of frequency bands and tuning ranges for ENG usage,

invites ITU-R

- 1 to carry out studies of ENG regarding possible solutions for global/regional harmonization in frequency bands and tuning ranges, taking into account:
 - available technologies to maximize efficient and flexible use of frequency;
 - system characteristics and operational practices which facilitate the implementation of these solutions;
- 2 to include in the studies referred to above sharing and compatibility issues with services already having allocations in frequency bands and tuning ranges which have potential for ENG use;
- 3 to propose operational measures to facilitate operation of ENG equipment consistent with global circulation of radiocommunication equipment, taking into account Recommendation ITU-R M.1637;
- 4 to report the results of those studies to the World Radiocommunication Conference 2011,

invites administrations

to participate in the studies by submitting contributions to ITU-R.