

RESOLUTION 749 (WRC-07)

Studies on the use of the band 790-862 MHz by mobile applications and by other services

The World Radiocommunication Conference (Geneva, 2007),

considering

- a) that the favourable propagation characteristics of the band 470-806/862 MHz are beneficial to provide cost-effective solutions for coverage, including large areas of low population density;
- b) that the operation of broadcasting stations and base stations in the same geographical area may create incompatibility issues;
- c) that, according to Resolution **646 (WRC-03)**, the bands 764-776 MHz and 794-806 MHz are currently used in some countries for Public Protection and Disaster Relief (PPDR); and the bands 806-866 MHz (in Region 2) and 806-824 MHz and 851-869 MHz (in Region 3) are currently identified for PPDR;
- d) that many communities are particularly underserved compared to urban centres;
- e) that applications ancillary to broadcasting are sharing the band 470-862 MHz with the broadcasting service in all three Regions, and are expected to continue their operations in this band;
- f) that it is necessary to adequately protect, *inter alia*, terrestrial television broadcasting and other systems in this band,

recognizing

- a) that, in Article 5 of the Radio Regulations, the band 790-862 MHz, or parts of that band, is allocated, and is used on a primary basis for services other than broadcasting;
- b) that the frequency band 470-806/862 MHz is allocated to the broadcasting service on a primary basis in all three Regions and used predominantly by this service, and that the GE06 Agreement applies in all Region 1 countries except Mongolia and one country in Region 3;

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- c) that the transition from analogue to digital television is expected to result in situations where the band 790-862 MHz will be used for both analogue and digital terrestrial transmission; and the demand for spectrum during the transition period may be even greater than the stand-alone usage of analogue broadcasting systems;
- d) the switch-over to digital may result in spectrum opportunities for new applications;
- e) the timing of the switch-over to digital is likely to vary from country to country;
- f) that the use of spectrum for different services should take into account the need for sharing studies;
- g) that the Radio Regulations provide that the identification of a given band for IMT does not preclude the use of that band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations;
- h) that the GE06 Agreement contains provisions for the terrestrial broadcasting service and other terrestrial services, a Plan for digital TV, and the List of other primary terrestrial services,

noting

that Resolution ITU-R 57 provides principles for the process of development of IMT-Advanced and this process is planned to start after this Conference,

emphasizing

- a) that the use of the band 470-862 MHz by broadcasting and other primary services is also covered by the GE06 Agreement;
- b) that the requirements of the different services to which the band is allocated, including mobile and broadcasting services, shall be taken into account,

resolves

- 1 to invite ITU-R to conduct sharing studies for Regions 1 and 3 in the band 790-862 MHz between the mobile service and other services in order to protect the services to which the frequency band is currently allocated;
- 2 to invite ITU-R to report the results of the studies referred to in *resolves* 1 for consideration by WRC-11 to take appropriate action,

invites administrations

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

invites the Director of the Telecommunication Development Bureau

to draw the attention of the Telecommunication Development Sector to this Resolution.