

**FREQUENCY ARRANGEMENTS FOR IMPLEMENTATION OF THE TERRESTRIAL
COMPONENT OF INTERNATIONAL MOBILE TELECOMUNICATION 2000 (IMT-2000) IN
THE BANDS OF 2500 – 2690 MHZ**

The III Meeting of the Permanent Consultative Committee II: Radiocommunication including Broadcasting,

CONSIDERING:

- a) That Fixed and mobile services are allocated within the Americas Region, in the band 2500-2690 MHz;
- b) That Administrations in the Americas Region have informed that currently no intention to change the current allocation is envisaged;
- c) That within the Americas Region, the band 2500-2690 MHz has been used in provision of different services, mainly distribution services, such as Multichannel Distribution Services;
- d) That the existing technology in the frequency band 2500-2690 MHz has been submitted to a digitalizing process, thus providing opportunities to deliver new services and promoting greater spectrum efficiency;
- e) That existing operators in the 2500-2690 MHz band wish to deliver new services as an alternative to the competition from other operators employing other technologies;
- f) That the band 2500-2690 MHz has a great potential to be globally harmonized for IMT-2000 systems; and
- g) That the WRC-2000 identified bands 2500-2520 MHz and 2670-2690 MHz for both IMT-2000 components,

FURTHER CONSIDERING:

- a) That the introduction of the Mobile Satellite Service in bands 2500-2520 MHz and 2670-2690 MHz might demand sharing studies, the use of large guard bands, and restricted use of the remaining part of the 2500-2690 MHz band;
- b) That in order to have spectrum efficiency the use of guard bands should be kept at minimum;
- c) That frequency arrangements allow for an effective and efficient use of the spectrum;
- d) That frequency arrangements should accommodate the available technologies, symmetric/asymmetric traffic, and FDD/TDD systems in the 2500-2690 MHz band;

¹ Document CCP.II-RADIO /doc.461/04 rev.1

- e) That frequency arrangements should accommodate the digitalization of existing systems in the 2500-2690 MHz band, in addition to the introduction of new applications, such as RLANs and IMT-2000; and
- f) That frequency arrangements would facilitate the worldwide roaming of IMT-2000 terminals and the development of IMT-2000,

RECOMMENDS:

1. That those CITEL Administrations planning the implementation of IMT-2000 in the band 2500-2690 MHz , either of the entire band or part of it, should consider only the use of the terrestrial component of IMT-2000;
2. That CITEL Administrations planning the implementation of IMT-2000 take into account that frequency arrangements in that band should include a central block of at least 50 Mhz.
3. That, in order to achieve efficient equipment standardization in the upper and lower blocks, CITEL Administrations planning the implementation of IMT-2000 in the 2500-2690 MHz band ensure that any guard band should be taken from the central block.