

International 450 Association



CDMA450

ITU-R Identification of the 450-470MHz Band for use by IMT Technologies

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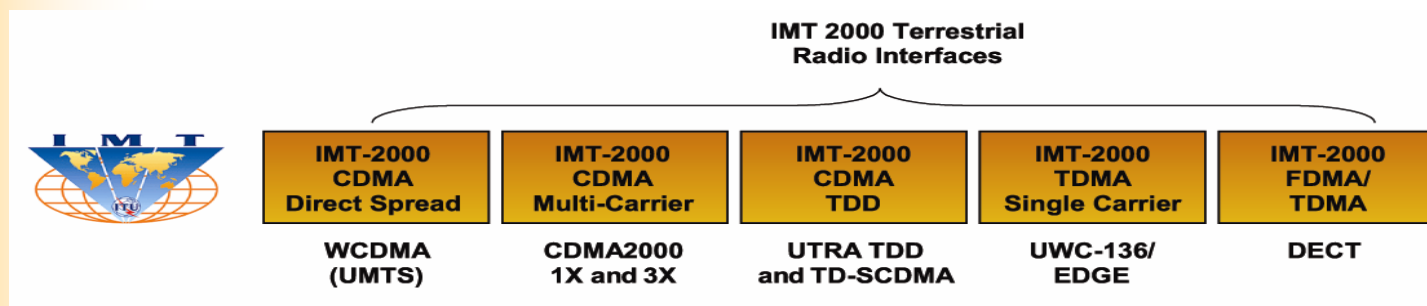


CDMA450 Regulatory Update ITU/CPM/WRC-07



IMT-2000 Background

- ITU has adopted an industry standard for 3G wireless networks called IMT-2000. This family of standards includes five distinct radio interfaces, the majority of which are based on CDMA technology



- ITU has so far identified the following frequency bands for use by administrations wishing to implement IMT-2000:
 - 806-960 MHz
 - 1710-2025 MHz
 - 2110-2200 MHz
 - 2500-2690 MHz
- ITU has been careful to ensure that each of the five IMT-2000 technologies can be deployed in each of the four IMT-2000 frequency bands – Technology Neutrality



ITU-R WP8F Update

- ITU-R WP8F developed “IMT-Advanced” as the name for “systems beyond IMT-2000”. The term “IMT” is used as a whole for “IMT-2000, future developments of IMT-2000, and systems beyond IMT-2000”.
- ITU-R WP8F has developed Report ITU-R M.[IMT.CANDI].
 - IMT.CANDI evaluates suitable frequency bands for the future developments of IMT-2000 and IMT-Advanced.
 - The 450-470MHz is a candidate band.
- ITU-R WP8F completed text on Agenda Item 1.4, which was incorporated into the draft CPM (Conference Preparatory Meeting) text.
- ITU-R WP8F is currently studying the sharing and compatibility of IMT systems and other Radiocommunication services deployed in the 450-470MHz and adjacent bands. A Preliminary Draft Report on the 450-470MHz Sharing study was approved at the last meeting.
- There is significant interest from many countries in identifying the 450-470MHz band for use by IMT technologies at WRC-07.



CPM Update

- **The Conference Preparatory Meeting was held 19 Feb – 2 March 2007 in Geneva.**
- **The CPM determines the topics and issues to be discussed at the World Radio Conference (WRC), which will be held 22 Oct – 16 Nov 2007.**
- **The WRC is the treaty-level meeting that determines all new identifications and allocations of spectrum for incorporation in to the Radio Regulations.**
- **Resolution 228 of WRC-03 (Agenda Item 1.4 of WRC-07) instructs ITU-R to consider bands below 806MHz for future developments of IMT-2000 and systems beyond IMT-2000, particularly taking into account the needs of the developing countries for cost-effectively implementation .**
- **For 450-470 MHz to be considered at the WRC, the text supporting identification MUST be maintained or even strengthened during the CPM.**



Benefits of ITU-R Identification of 450–470 MHz for use by IMT technologies

Identification of the 450-470MHz band for use by IMT technologies would facilitate the following:

- **Economies of scale, which will lead to lower prices for Infrastructure and Handsets**
- **Greater harmonization of frequency usage among different countries and regions of the world**
- **Greater acceptance by administrations of the use of the band for CDMA450 networks**
- **Strengthened development and growth of the CDMA450 market**

NOTE: 450–470 MHz is the only band in which commercial IMT-2000 technologies have already been deployed, but which is not yet identified by the ITU-R as an IMT-2000 band.

- **All other frequency bands where IMT-2000 or 3G networks are being deployed (e.g., 806-960 MHz, 1710-2025 MHz, 2110-2200 MHz, 2500-2690 MHz) have already been identified by the ITU as IMT-2000 bands.**

THANK YOU

