

IMT-Advanced: Process, Opportunities and Usages

Abstract: At the International Telecommunication Union (ITU) World Radiocommunication Conference in 2007, decisions have paved the way toward the development of IMT-Advanced by adopting new primary allocations to the mobile service and new band identifications for international mobile telecommunications (IMT) systems. Then, at its Radiocommunication Assembly in 2007 (RA-07), the ITU has also approved the Resolution ITU-R 56, which defines the term IMT-Advanced as a concept from the ITU for mobile communication systems that includes the new capabilities of IMT that go beyond those of IMT-2000. Furthermore, in order to offer a new regulatory framework to harmonise spectrum and to limit the number of radio interfaces for IMT defining the minimum requirements for a family of technologies, the ITU has transposed the request in the Circular Letter 5/LCCE/2. This presentation will provide a high-level overview of the submission process and the opportunities for the IMT Advanced. A detailed description of the IMT-Advanced definition, the Global process towards IMT-Advanced and the Timing of the ITU process on IMT-Advanced will be included.