

IMT – International Mobile Telecommunications



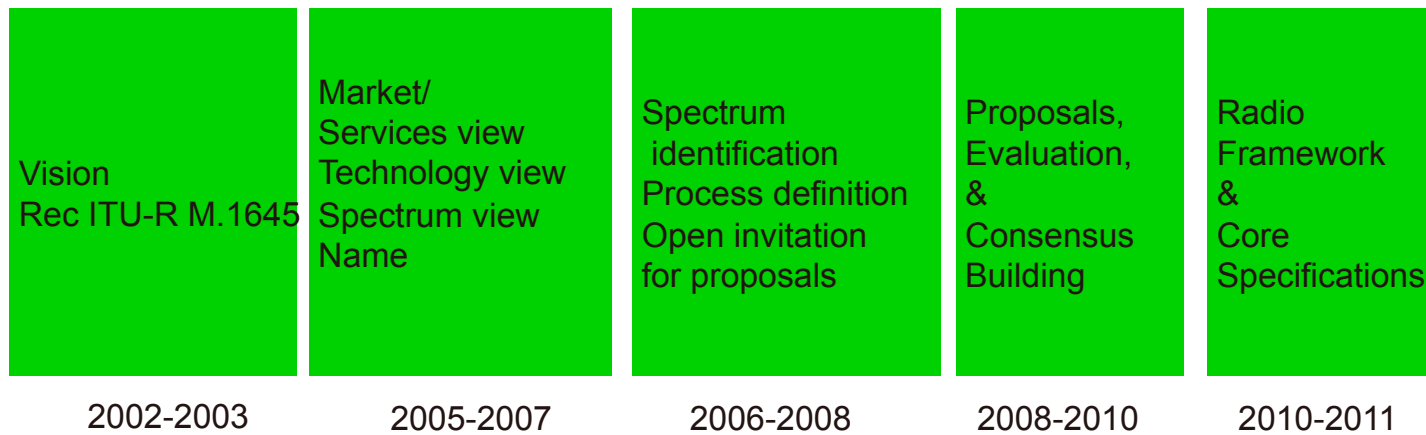
- All of today's 3G and 4G mobile systems are based on ITU's IMT standards for mobile broadband
- The IMT standards are established by the ITU membership (Member States, manufacturers, network operators, research organizations, industry fora ...)

in close collaboration with the key standards development organizations

(3GPP, 3GPP2, ARIB, ATIS, CCSA, ETSI, IEEE, TTA, TTC, WiMax Forum)

A large, semi-transparent watermark of the ITU logo is centered on the slide. It features the letters 'ITU' in a bold, blue, sans-serif font, with a stylized globe behind them. The globe is rendered in orange and blue, with a small ITU logo at its base. The background of the slide is a light blue gradient with a pattern of binary code (0s and 1s) and a faint globe.

The Overall Process: IMT-Advanced



Q. 229-2/5
2000-2003-2008

Setting the stage for the future:
Vision, spectrum, and technology views

Defining the
technology

Spectrum for mobile broadband

- There is a dramatic increase in the volume of mobile data traffic, spurred on by the introduction of a growing array of advanced multimedia devices and applications
- ITU-R studies on IMT and RLAN systems have shown that additional spectrum will be required to meet the high demand for mobile broadband data
- The need for additional spectrum for mobile broadband will be addressed at the World Radiocommunication Conference (2-27 November 2015)

The 5G future

- The focus is on enabling a seamlessly connected society in the 2020 timeframe, bringing together people along with things, data, applications, transport systems and cities in a smart networked communications environment
- Investigation of the key elements of “5G” are well underway, once again galvanizing the highly successful partnership ITU-R has with the mobile broadband industry and the wide range of stakeholders in the 5G community
- The studies on IMT for 2020 and beyond will provide the foundation for the 5G future broadband connected society

Current Activities

Draft new Report ITU-R M.[FUTURE TECHNOLOGY TRENDS] (October 2014)

- This activity is to address the terrestrial IMT technology aspects and enablers considering the approximate timeframe 2015-2020 *and beyond* for system deployment, including aspects of terrestrial IMT systems related to WRC-15 studies as part of its scope.

Draft new Recommendation ITU-R M.[IMT.VISION] (June 2015)

- This activity is to address the longer term vision for 2020 and beyond and will provide a framework and overall objectives of the future developments of IMT.

Draft new Report ITU-R M.[IMT.ABOVE 6 GHz] (June 2015)

- The purpose of this report is to provide information on the study of technical feasibility of IMT in the bands above 6 GHz.