

ITU-T **The leader in globalizing** **IMT-2000** **next-generation mobile** **solutions**

The ITU-T Special Study Group on "IMT-2000 and Beyond" (SSG) is responsible for studies relating to network aspects of International Mobile Telecommunications 2000 (IMT-2000) and beyond, including wireless Internet, convergence of mobile and fixed networks, mobility management, mobile multimedia functions, inter-networking, interoperability and enhancements to existing ITU-T Recommendations on IMT-2000.

The SSG is the Lead Study Group on IMT-2000 and beyond and for mobility.

The Q.174x series of Recommendations includes the latest results from the work on combining the essential elements of packet-based core network Next-Generation Network concepts applied in mobile networks.

For more information on the work of the SSG, please check the ITU-T web site at:
<http://www.itu.int/ITU-T/studygroups/ssg/index.asp>



Examples of key **technical standards** **in ITU-T SSG**

- Q.1701 Framework for IMT-2000 networks
- Q.1702 Long-term vision of network aspects for systems beyond IMT-2000
- Q.1711 Network functional model for IMT-2000
- Q.1721 Information flows for IMT-2000 capability set 1
- Q.1731 Radio-technology independent requirements for IMT-2000 layer 2 radio interface
 - Q.1741.1 IMT-2000 references to release 1999 of GSM evolved UMTS core network with UTRAN access network
 - Q.1741.2 IMT 2000 References to Release 4 of GSM evolved UMTS core network with UTRAN access network
 - Q.1741.3 IMT 2000 References to Release 5 of GSM evolved UMTS core network
- Q.1742.1 IMT-2000 References (July 2001) to ANSI-41 evolved Core Network with cdma2000 Access Network
- Q.1742.2 IMT-2000 References (July 2002) to ANSI-41 evolved Core Network with cdma2000 Access Network
- Q.1742.3 IMT-2000 References (June 2003) to ANSI-41 evolved Core Network with cdma2000 Access Network
- Q.1751 Internetwork signalling requirements for IMT-2000 capability set 1
- Q.1761 Principles and Requirements for Convergence of Fixed and Existing IMT-2000 Systems

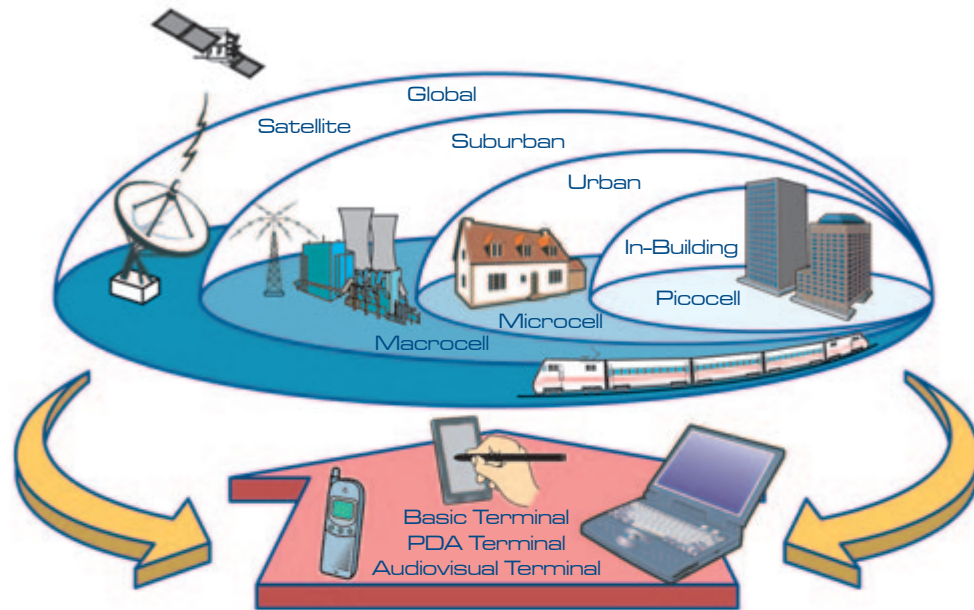
International Telecommunication Union



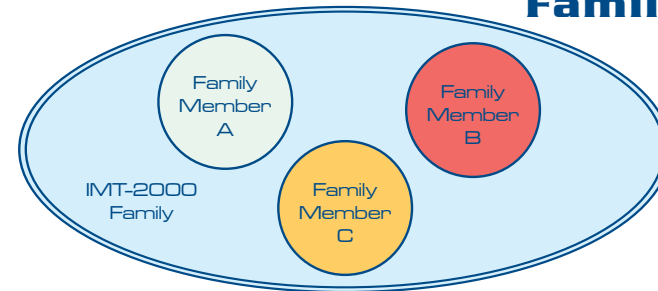
IMT-2000

Next-generation **mobile solutions**

The global vision for IMT-2000...



...coupled with the existence of multiple IMT-2000 systems leads to the "IMT-2000 Family" concept...



...leads to a generalized IMT-2000 functional architecture closely coupled with work on Next-Generation Networks, including a generic "all-IP" access independent Core Network Architecture.

...combined with the explosive growth of wireless...

