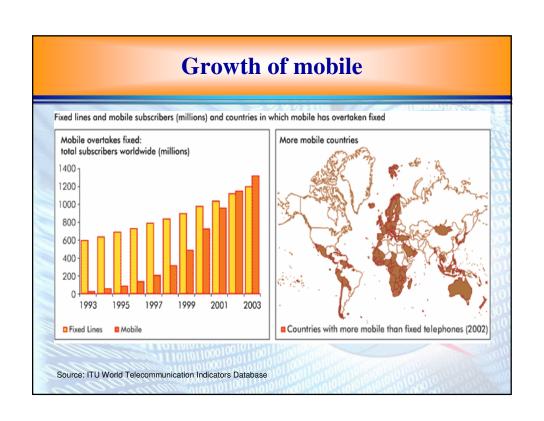
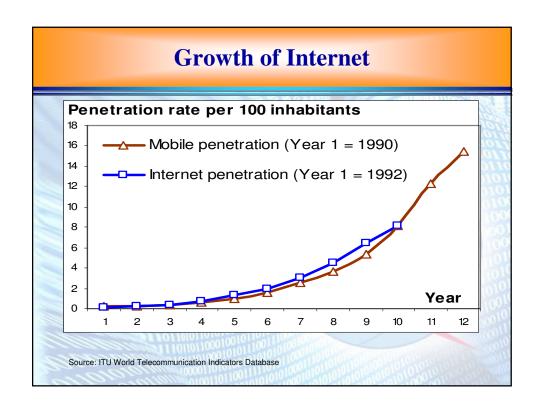
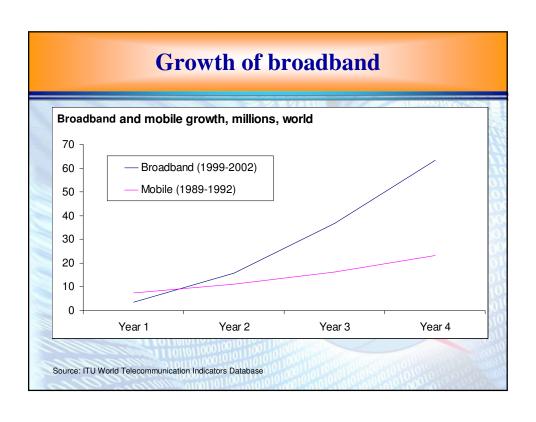


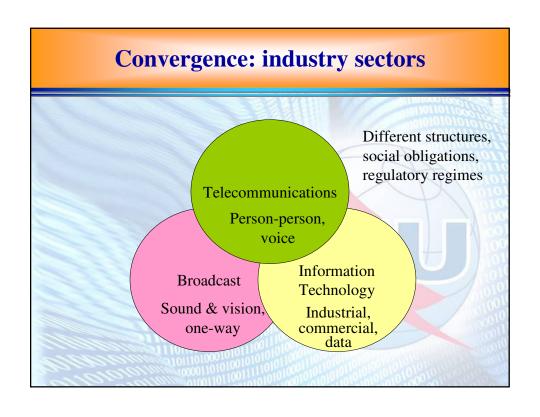
Contents • Growth in mobile, Internet and broadband access • The multiple facets of convergence • IMT-2000 radio access standards • Systems beyond IMT-2000 • Spectrum requirements • Activities of ITU-R Working Party 8F

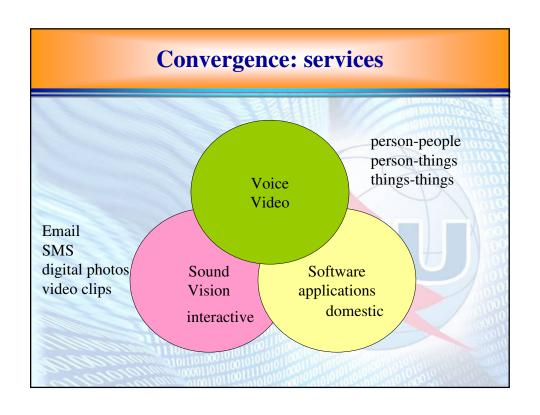


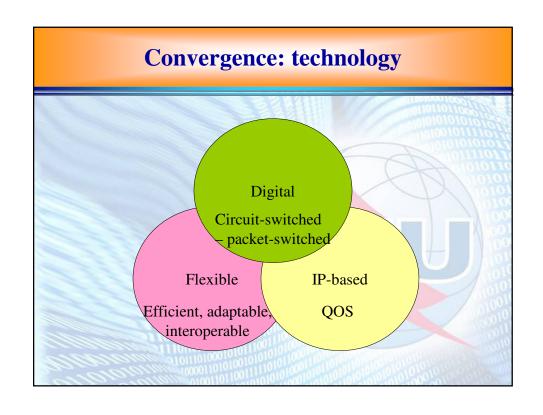


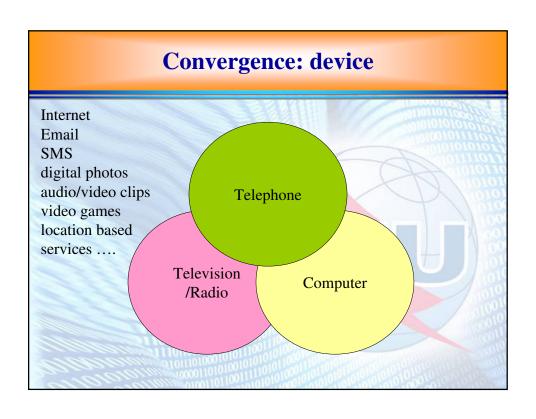


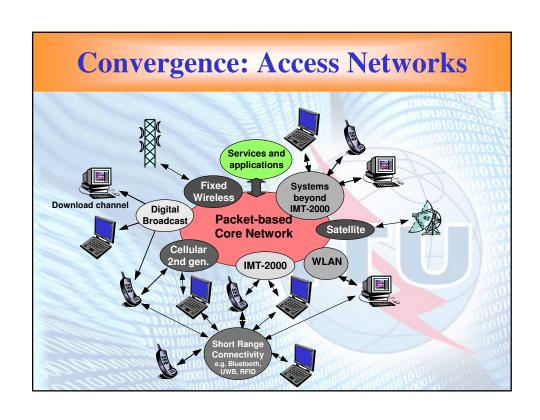


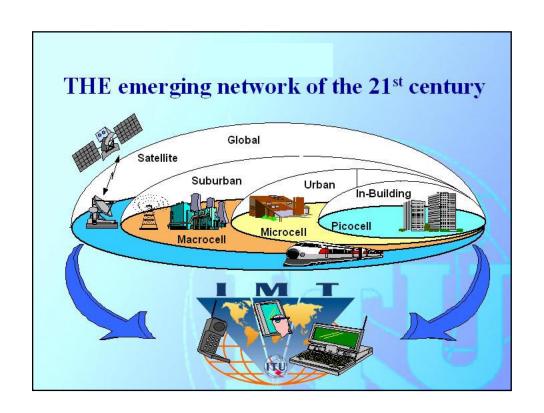


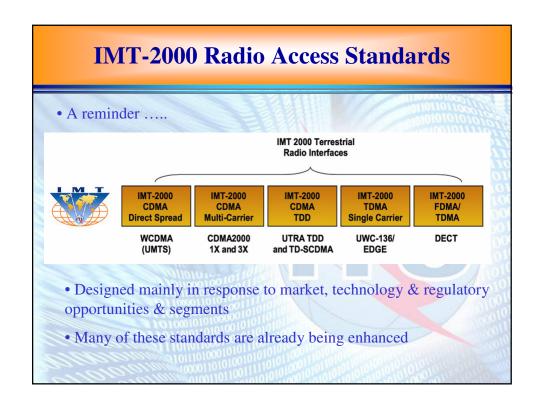


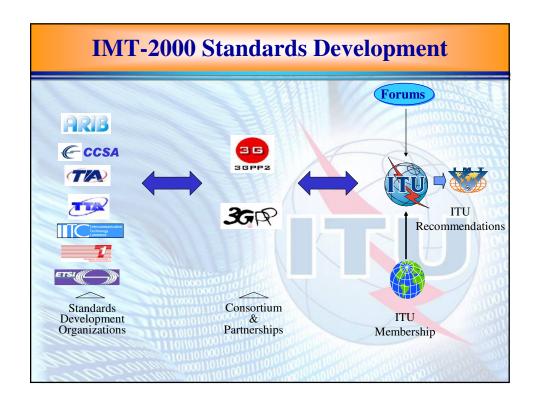




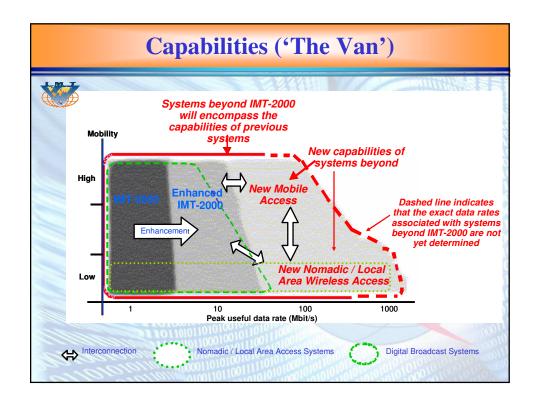


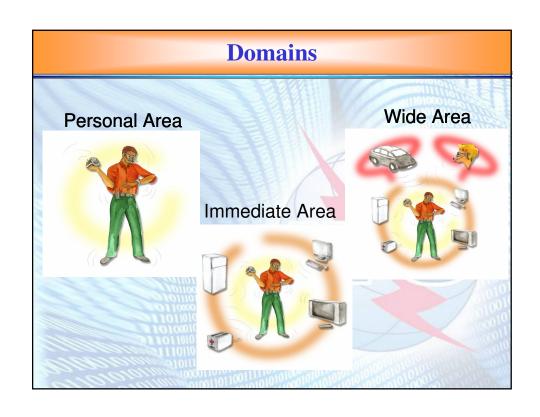


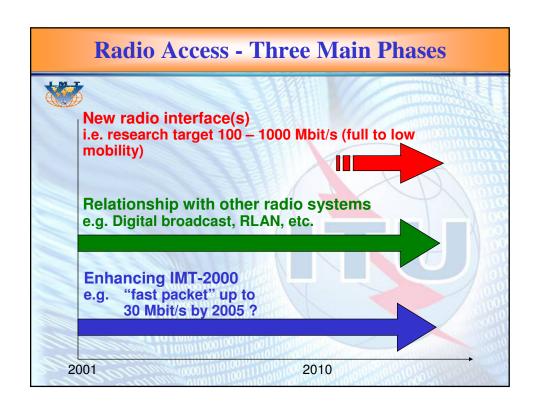




Recommendation ITU-R M.1645 "Systems beyond IMT-2000 will be realized by functional fusion of existing, enhanced and newly developed elements of IMT-2000, nomadic wireless access systems and other wireless systems, with high commonality and seamless interworking"







Spectrum

- Prerequisite for development and operation of radio systems is the availability of spectrum
- Most of the usable spectrum is already allocated
- •Decisions on global spectrum allocations/identification are taken at ITU World Radiocommunication Conferences
- There is a long lead-time between identification of spectrum and spectrum availability

Resolution 802 (WRC-03)

2007 World Radiocommunication Conference

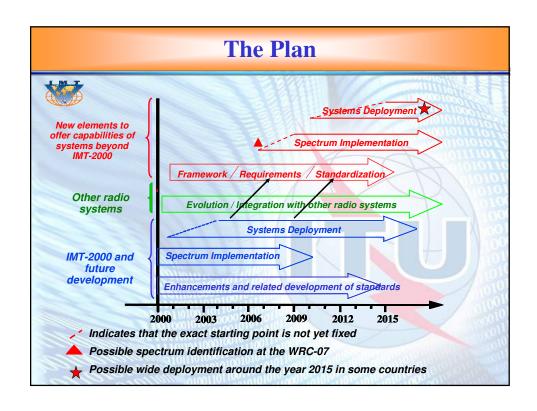
Agenda item 1.4

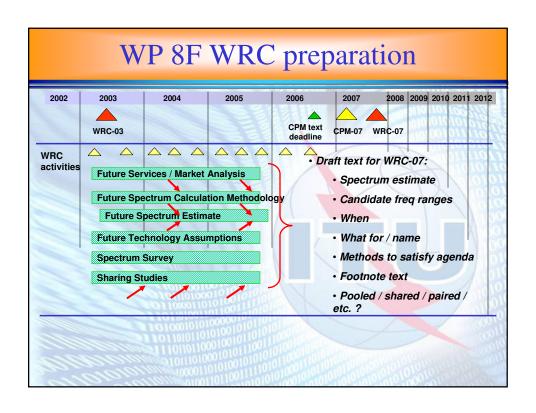
"to consider frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000, taking into account the results of ITU-R studies in accordance with Resolution 228 (Rev.WRC-03)"

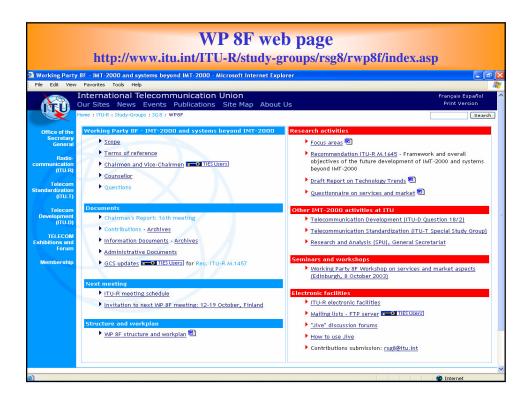
Resolution 228 (Rev.WRC-03)

resolves

- 1 to further study technical and operational issues ...;
- 2 to report to WRC-07 on the spectrum requirements and potential frequency ranges ...;
- to conduct regulatory and technical studies on the usage of frequencies below those identified for IMT-2000 ...;
- 4 to take into consideration the particular needs of developing countries including use of the satellite component of IMT-2000 ...;
- to include sharing and compatibility studies with services already having allocations in potential spectrum ...;
- 6 that WRC-07 should consider frequency-related matters for the future development of IMT-2000 and systems beyond IMT-2000 ...,







Summary

- Mobile, Internet and broadband access is growing rapidly
- Convergence is occuring in many spheres
- IMT is being implemented and will evolve considerably over next 10-15 years an open and market led process
- New radio interface(s) are expected to be required sometime between 2010-2015
- Spectrum aspects will be considered at WRC-07
 WP 8F is leading the preparatory studies

