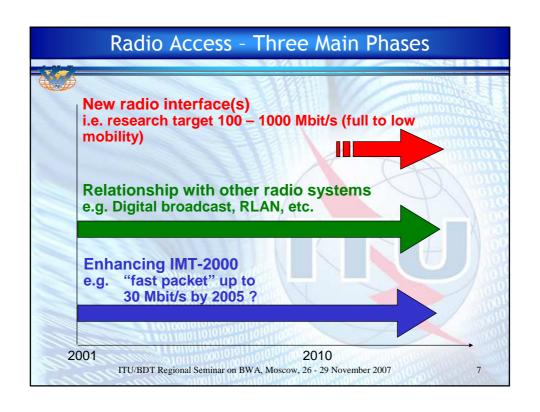


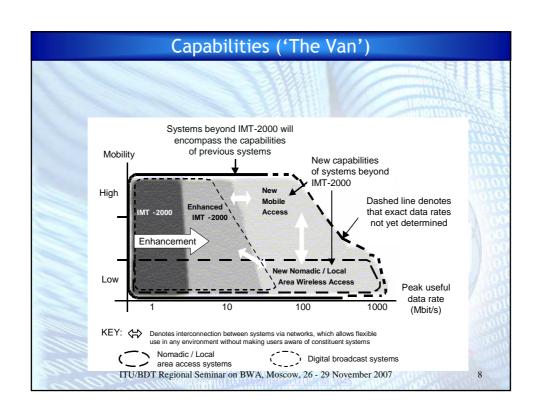
Growth of Mobile, Internet and Broadband Access

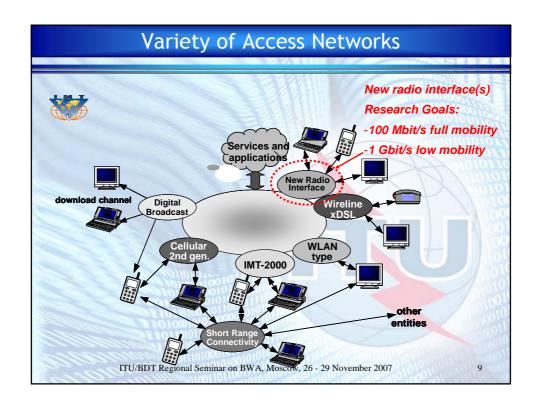
Previous presentation has provided slides on

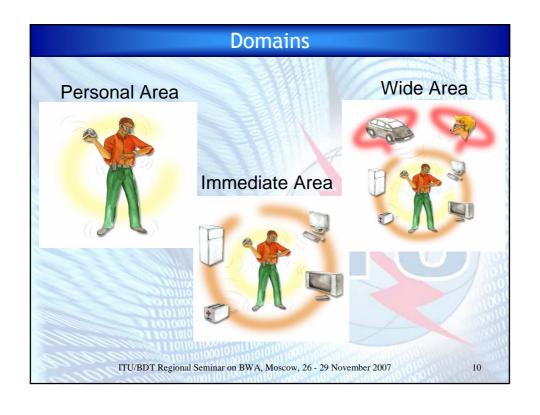
- Growth of mobile and how mobile has overtaken fixed globally
- Growth of Internet and the exponentially increase in the penetratation rate
- Growth of broadband, also on a non-linear scale
- IMT-2000 radio access standards and the development in partnership with other organizations

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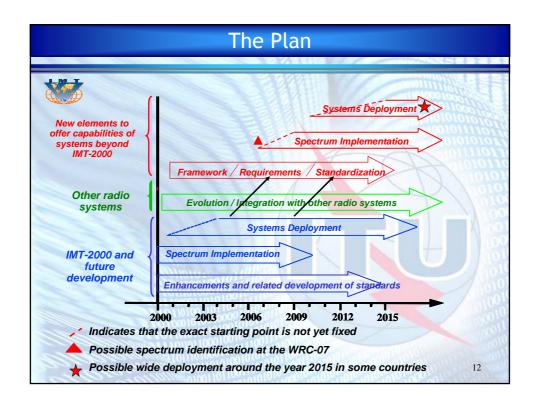








Recommendation ITU-R M.1645 "Systems beyond IMT-2000 (IMT-Advanced) will be realized by functional fusion of existing, enhanced and newly developed elements of IMT-2000, nomadic wireless access systems and other wireless systems, with high commonality and seamless interworking"



Spectrum

Prerequisite for development and operation of radio systems is the availability of spectrum

Most of the usable spectrum is already allocated

There is a long lead-time between identification of spectrum and spectrum availability

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Resolution 802 (WRC-03)

2007 World Radiocommunication Conference

is considering

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)"

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Resolution 228 (Rev.WRC-03)

resolves

- 1 to further study technical and operational issues ...;
- 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 ...;
- 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

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Summary

Convergence is occuring in many spheres

Mobile, Internet and broadband access is expanding rapidly

IMT-2000 has been standardized and will evolve considerably over next 10-15 years - open and market led process

Ongoing relationship with other access methods

New radio interface(s) are expected to be required sometime between 2010-2015

Spectrum aspects are being considered at WRC-07

ITU-R WP 5D (ex 8F) is undertaking the work on enhancement of IMT-2000 and development of IMT-Advanced systems (systems beyond IMT-2000)

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