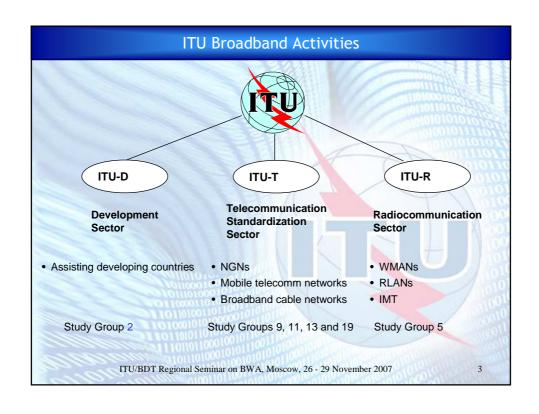
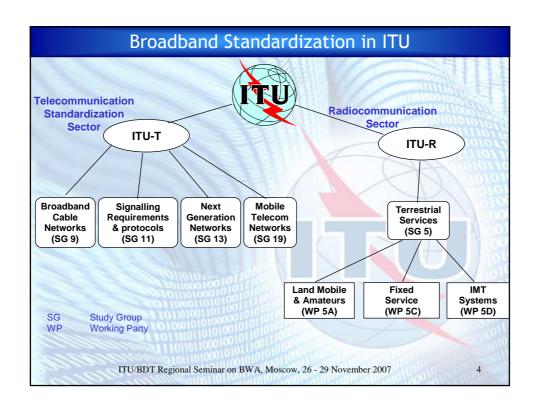
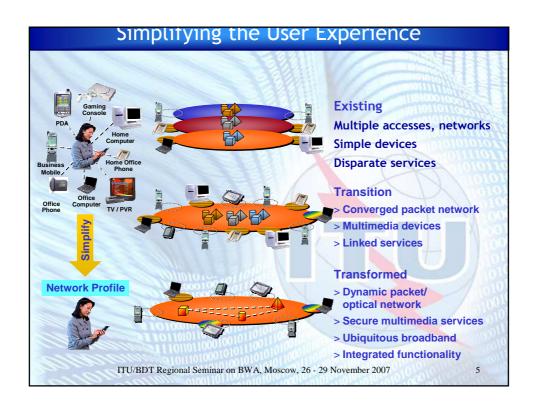


Radiocommunication Sector Frequency spectrum (harmonization) → RR Radio interface specifications → ITU-R Recommendation Sharing and interworking studies Standardization Sector Network aspects Development Sector Broadband Technologies Report (ITU-D Q.20/2) Seminars on BWA Country case studies







Next Generation Network (NGN)

A packet-based network able to provide telecommunication services

Able to make use of multiple broadband, QoS-enabled transport technologies

Service-related functions are independent from underlying transport-related technologies

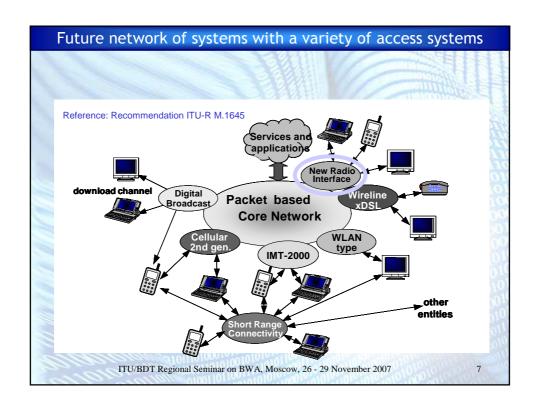
Enables unfettered access for users to networks and to competing service providers and/or services of their choice

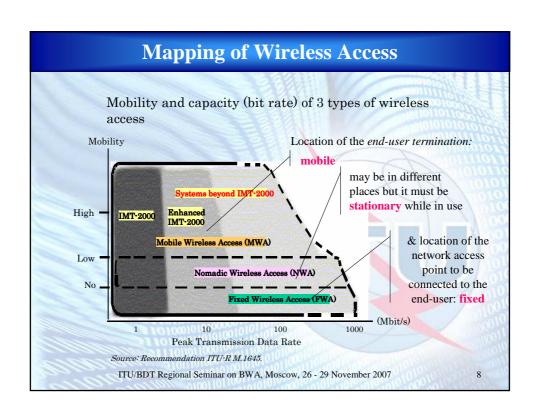
Supports generalized mobility which will allow consistent and ubiquitous provision of services to users

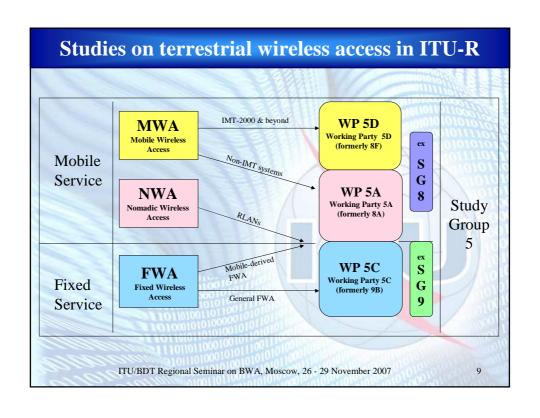
Ref.: ITU-T Recommendation Y.2001 (12/2004) "General overview of NGN"

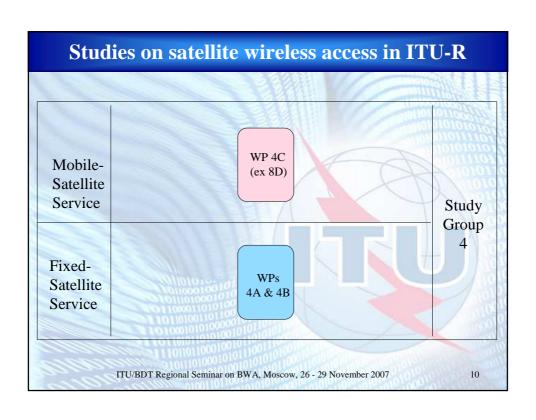
ITU/BDT Regional Seminar on BWA, Moscow, 26 - 29 November 2007

5

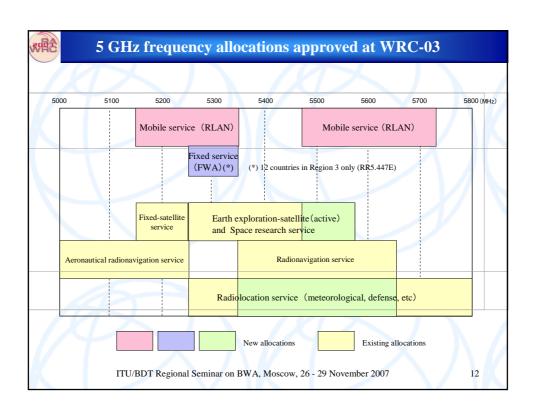








ITU-R Studies on BWA					
Service	Fixed	Mobile		Satellite	
Study Question	236/9 (Fixed wireless systems for BWA)	212/8 (Nomadic wireless including RLAN)	229/8 (IMT-2000) and systems beyond	269/4 (Global broadband satellite)	
Scope	•Specifications	•Specifications •Sharing •Spectrum	Objectives Specifications Spectrum Migration Global circulation	•Specifications •Spectrum	
ITU-R Rec.	F.1763	M.1450 (RLANs) M.1801	M.1457,(IMT- 2000) M.1645 (vision)	S.1709	
	ITU/BDT Regional Sem	ninar on BWA, Moscow, 2	6 - 29 November 2007	11	





Requirements for RLANs specified in Resolution 229 (WRC-03)

Frequency band	Maximum Equivalent Isotropically Radiated Power (EIRP)	Operational restriction	Mitigation measures
5 150-5 250 MHz	200 mW (10 mW/MHz, 0.25 mW/25 kHz)	Indoor use only	No specification
5 250-5 350 MHz	200 mW (10 mW/MHz) or subject to the elevation angle mask specified in Rec.ITU-R M.1653	Basically indoor use*1 EIRP must be in accordance with the mask for outdoor use	
	2W for FWA*3	Deployment restriction is subject to Rec. ITU-R F.1613	TPC*2 and DFS are required
5 470-5 725 MHz	1W (50 mW/MHz)	Indoor / outdoor use	

- *1 Each country is requested to take appropriate measures so that the predominant number of RLAN terminals are used indoors.
- *2 EIRP is reduced by 3 dB if not equipped with TPC.
- *3 12 countries in Region 3 ITU/BDT Regional Seminar on BWA, Moscow, 26 - 29 November 2007

13

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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 ...;

Agenda Item 1.19:

To consider the results of the ITU-R studies regarding spectrum requirement for global broadband satellite systems in order to identify possible global harmonized FSS frequency bands for the use of Internet applications, and consider the appropriate regulatory/technical provisions,

WRC-07 IS STILL CONSIDERING THE FREQUENCY ALLOCATIONS AT THE TIME OF THE PREPARATION OF THESE SLIDES

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4

Conclusion

- Have presented overview of activities in the ITU related to BWA
- Other presentations will provide details on work ongoing in ITU-R on BWA

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15