



Opening

1.1.3 Introductory Remarks; ITU Structure



*ITU-BDT Regional Seminar on Fixed Mobile
Convergence and Guidelines on the smooth
transition of existing mobile networks to IMT-2000
for Developing Countries for Africa Region*



Nairobi, Kenya 9-12 May 2005

Communications
Commission
of Kenya

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Objective and Outline

- **Objective**
 - Introduce seminar
 - Set stage for understanding ITU's role in global standardization
- **Outline**
 - Seminar overview
 - ITU structure
 - ITU-R
 - ITU-T
 - ITU-D



Next Generation Networks for Next Generation Users, Services

- **today's young person is tomorrow's decision maker**
 - rising expectations: demands and expects multimedia services, security, personalization and mobility for enhanced productivity and user experience
 - rising ability to pay as economies develop
- **“demographic” shifts**
 - mobile subscribers outnumber fixed globally, greatly so in some markets: mobility is a key capability of Next Generation Networks
 - technology enabling convergence of traditionally discrete areas: telephony, data, entertainment: need common and cost effective solutions now and in the future

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Seminar Overview

Day 1

- **Session 1.1 - Opening**
- **Session 1.2 - International Framework**
- **Session 1.3 - Network Evolution to NGN and Convergence**
- **Session 1.4 - Network Evolution to NGN**

Day 2

- **Session 2.1a & b: Converged Networks**
- **Session 2.2a & b: Network Evolution to NGN – Services and Traffic Engineering**

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Seminar Overview

Day 3

- Session 3.1a & b: Operational and Regulatory Aspects of Convergence
- Session 3.2a & b: Fixed Mobile Convergence

Day 4

- Session 4.1a, b & c: 2G to 3G Migration/Evolution: Guidelines for Developing Countries
- Session 4.2: Seminar Feedback and Conclusions

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ITU Structure

3 sectors:

- Radiocommunication
- Telecommunication Standardization
- Telecommunication Development

Membership

- 189 Member States
- >650 Sector Members
- >50 Associates



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ITU Sector Roles and Mission

- **ITU-R: management of radio-frequency spectrum and satellite orbits**
- **ITU-T: standards covering all fields of telecommunications**
- **ITU-D: facilitate connectivity and access, foster policy, regulatory and network readiness, and expand human capacity through training programs, formulate financing strategies and e-enable enterprises in developing countries**

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World Radiocommunication Conference (WRC)

- **Held every ~3-4 years**
 - WRC-03: 9 Jun - 4 Jul 2003, Geneva
 - WRC-07: 8 Oct - 2 Nov 2007, Geneva
- **Role: reviews and revises the Radio Regulations**
 - international treaty on use of the radio-frequency spectrum and satellite orbits
 - determines Questions for study by the RA and SGs



Additional details available on ITU web site

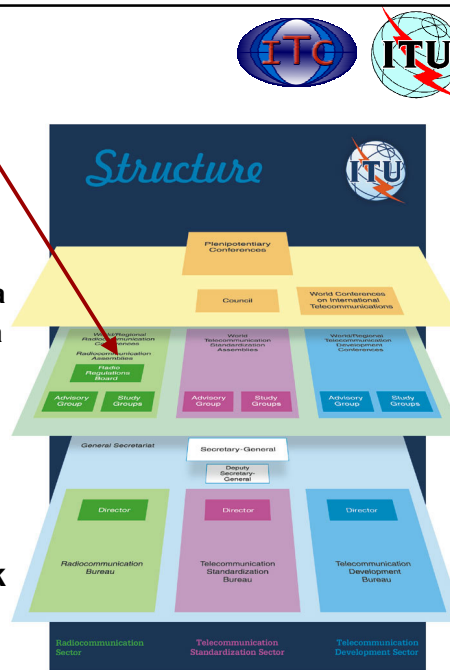
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Radiocommunication Assembly (RA)

- Meets every ~2-3 years; usually with a WRC
 - RA-03: 2-6 Jun 2003, Geneva
 - RA-07: 1-5 Oct 2007, Geneva
- Sets work priorities, urgency and time-frames
- Approves ITU-R Recommendations, technical studies in support of regulatory work of WRCs



Additional details available in handouts and on ITU web site

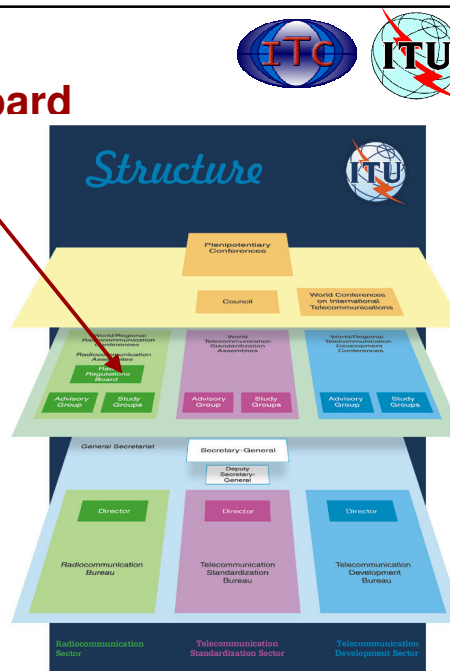


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Radio Regulations Board (RRB)

- approves Rules of Procedure for applying Radio Regulations and registering frequency assignments made by Member States

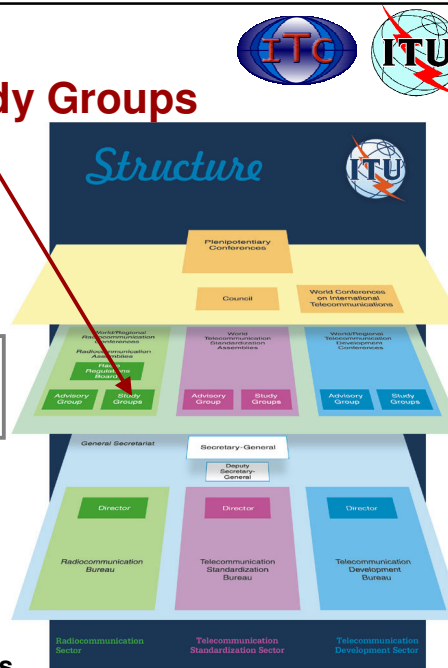
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ITU-R Structure - Study Groups

- SG 1 - Spectrum management
- SG 3 - Radiowave propagation
- SG 4 - Fixed-satellite service
- SG 6 - Broadcasting services
- SG 7 - Science services
- SG 8 - Mobile, radiodetermination, amateur and related satellite services**
- SG 9 - Fixed service
- CCV - Coordination Committee for Vocabulary
- CPM - Conference Preparatory Meeting
- SC - Special Committee on regulatory/procedural matters



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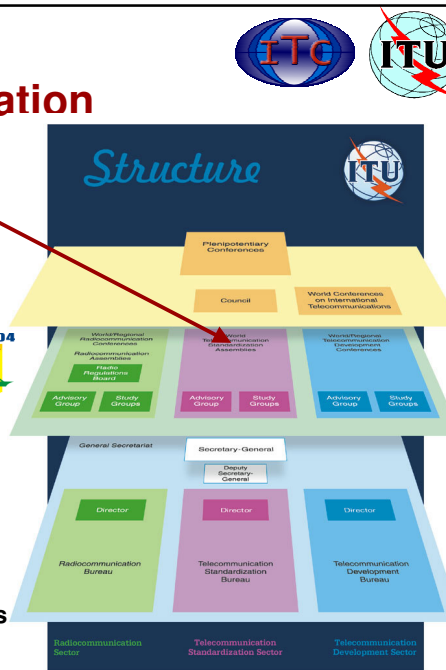
ITU Sector Roles and Mission

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- ITU-D: facilitate connectivity and access, foster policy, regulatory and network readiness, and expand human capacity through training programs, formulate financing strategies and e-enable enterprises in developing countries

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World Telecommunication Standardization Assembly

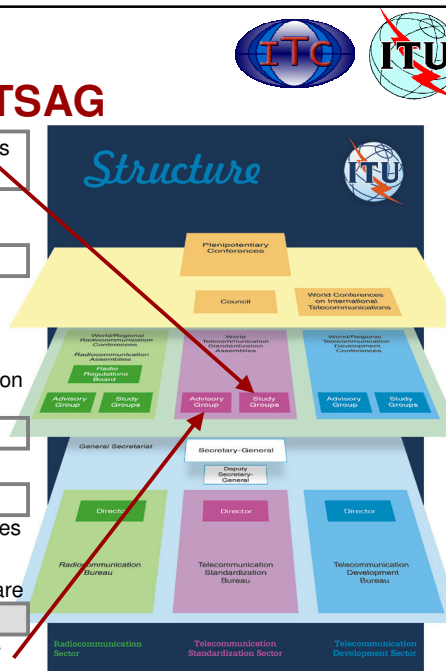
- normally held every 4 years
 - WTSA-2000, 27 Sep - 6 Oct 2000, Montreal, Canada
 - WTSA-2004, 5-14 Oct 2004, Florianopolis, Brazil
- approves ITU-T work program
- determines priorities, urgency, time-frame for standards work
- approves ITU-T Recommendations
- considers reports of study groups and TSAG
- decides on structure of study groups mandates, allocation of Questions



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ITU-T Study Groups, TSAG

- 2 Operational aspects of service provision, networks and performance
- 3 Tariff and accounting principles including related telecommunication economic and policy issues
- 4 Telecommunication management
- 5 Protection against electromagnetic environment effects
- 6 Outside plant and related indoor installations
- 9 Integrated broadband cable networks and television and sound transmission
- 11 Signalling requirements and protocols
- 12 Performance and quality of service
- 13 Next Generation Networks
- 15 Optical and other transport network infrastructures
- 16 Multimedia terminals, systems and applications
- 17 Security, languages & telecommunication software
- 19 Mobile telecommunication networks**
- TSAG Telecommunication Standardization Advisory Group



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ITU Sector Roles and Mission

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World Telecommunication Development Conference



- held ~4 years:
 - WTDC 2002 in Istanbul, Turkey
 - WTDC 2006 in Doha, Qatar
- fix objectives and strategies for worldwide and regional development of telecommunications
 - priority: expand, modernize networks to boost telecoms penetration and access in the world's poorer countries
- review progress made in telecommunication development in developing countries
- promote international cooperation
- provide direction to BDT
- establish ITU-D study groups and mandates

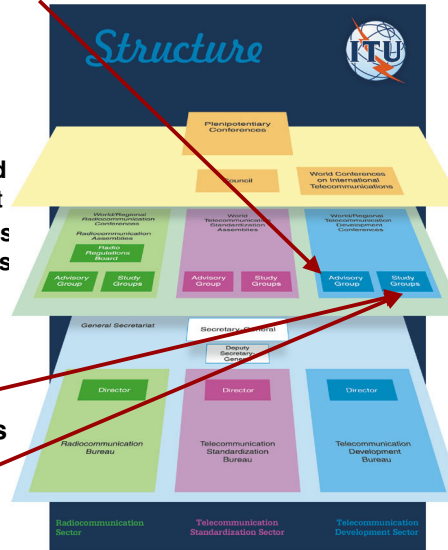


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ITU-D Study Groups, TDAG

- ITU-D is not involved in technical standardization so manages only two study groups
 - serve as forum for developing and developed countries, and public and private sector organizations to meet
 - purpose: devise innovative solutions to address specific problem areas as identified by WTDC
- study focus: telecommunications development strategies
- SG 1 - Telecommunication development strategies and policies
- SG 2 - Development and management of telecommunication services and networks



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Thank you!

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