

Opening



1.1.3: Introduction to Seminar; Seminar Objectives; Introduction to ITU Structure



***ITU-BDT Regional Seminar on IMT-2000
for CEE and Baltic States
Ljubljana, Slovenia
1-3 December 2003***

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Outline



- Seminar Overview and Objective
- Overview of ITU structure and roles

Seminar Overview



Wireless communications and Internet are merging in IMT-2000 to provide advanced mobile multimedia services. In this context, ITU is playing a pre-eminent role in defining frameworks and system concepts for bridging the digital divide. This seminar will address the various aspects of the Information and Communication Technologies (ICT) including IMT-2000 as an optimum wireless communication infrastructure for the information society, with particular emphasis on global solutions adequate to the requirements of developing countries.

H. Touré, Director, Telecommunication Development Bureau

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Seminar Objective



At the end of this seminar, you will:

- **have gained an appreciation of the importance of mobile telecommunications in the ICT world**
- **be up to date on ITU activities IMT-2000 on radio access, core network and development activities**
- **know where to go to obtain specifications of the radio and network technologies and interfaces**
- **have seen perspectives on the future directions for mobile telecommunications, especially IMT-2000**

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ITU Structure

3 sectors:

- Radiocommunication
- Telecommunication Standardization
- Telecommunication Development



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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 ~2-3 years; WRC-03: June 2003, Geneva
- Role: review and revise the Radio Regulations
 - international treaty on use of the radio-frequency spectrum and satellite orbits
 - determine Questions for study by the RA and SGs



Additional details available
in handouts and ITU web site

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Radiocommunication Assembly (RA)

- Meets every ~2-3 years; may be with a WRC
 - RA-03: June 2003, Geneva
- RAs: work priorities, urgency and time-frames
- Approve ITU-R Recommendations, technical studies in support of regulatory work of WRCs



Additional details available
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Radio Regulations Board (RRB)

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



Additional details available in handouts and ITU web site

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ITU-R Structure - Study Groups

- 1 Spectrum Management
- 3 Radiowave Propagation
- 4 Fixed Satellite Service
- 6 Broadcasting Services
- 7 Science Services
- 8 Mobile, Radiodetermination, Amateur and related Satellite Services
WP 8F - IMT-2000 and systems beyond IMT-2000
- 9 Fixed Service
- SC Special Committee on Regulatory/Procedural Matters
- CCV Coord. Committee for Vocabulary
- CPM Conference Preparatory Meeting



Further details later in seminar

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ITU Sector Roles and Mission



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World Telecommunication Standardization Assembly (WTSA)



- normally held every 4 years; WTSA-2000 in Montreal, WTSA-2004 to be in Florianopolis, Brazil
- approves ITU-T work program
- determines priorities, urgency and time-frame for completion of standards work
- approves ITU-T Recommendations
- considers reports of study groups and TSAG
- decides on structure of study groups, allocation of Questions

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Extensive Work Program - Major topics by Study Group



- 2 Operational aspects of service provision, networks and performance
- 3 Tariff and accounting principles including related telecommunications economic and policy issues
- 4 **Telecommunication management, including TMN**
- 5 Protection against electromagnetic environment effects
- 6 Outside plant
- 9 Integrated broadband cable networks and television and sound transmission
- 11 **Signalling requirements and protocols**
- 12 **End-to-end transmission performance of networks and terminals**
- 13 **Multi-protocol and IP-based networks and their internetworking**
- 15 Optical and other transport networks
- 16 **Multimedia services, systems and terminals**
- 17 **Data Networks and Telecommunication Software**
- SSG **"IMT-2000 and Beyond"**

*Further details
later in seminar*

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ITU Sector Roles and Mission



- ITU-R: management of radio-frequency spectrum and satellite orbits
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World Telecommunication Development Conference (WTDC)



- normally held every four years: WTDC 2002 in Istanbul, next WTDC in 2006
- fix objectives and strategies for worldwide and regional development of telecommunications
 - priority to expansion and modernization of networks and mobilization of resources to boost telecommunication penetration and access in the world's poorer countries.
- review progress made in telecommunication development in developing countries
- promote the international cooperation
- provide direction to BDT
- establish ITU-D study groups

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ITU-D Study Groups

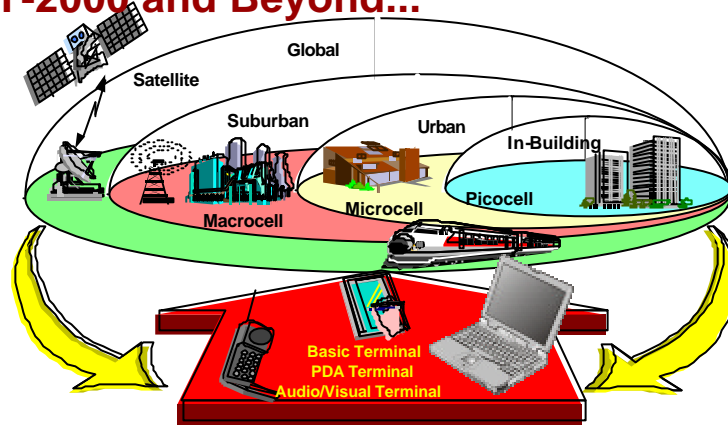


- ITU-D not involved in technical standardization so manages only two study groups
 - serve as forum for developing and developed countries, and public and private sector organizations to meet
 - purpose: devise innovative solutions to address specific problem areas as identified by WTDC
- study focus: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

Q.18/2:
IMT-2000

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IMT-2000 and Beyond...



Realizing the Vision for IMT-2000 and beyond requires a well-coordinated global effort.

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Thank you!

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Additional Details



World Radiocommunication Conference (WRC)

- Held every ~2-3 years; WRC-03: June 2003, Geneva
- Role: review and revise the Radio Regulations
 - international treaty governing the use of the radio-frequency spectrum and the geostationary-satellite and non-geostationary-satellite orbits
 - general scope of WRC agenda established 4 - 6 years in advance; final agenda set by ITU Council 2 years before
 - give instructions to the Radio Regulations Board and the Radiocommunication Bureau, and review their activities.
 - determine Questions for study by the RA and SGs in preparation for future radiocommunication conferences

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Additional Details



Radiocommunication Assembly (RA)

- Meet every ~2-3 years; may be associated with a WRC; RA-03: June 2003, Geneva
 - WRCs determine Questions for study by RA and SGs in preparation for future WRCs
- RAs:
 - approve work program for study groups
 - set up structures required to carry out work
 - work assignments priority, urgency and time-frame
- Approve ITU-R Recommendations on technical specifications of systems
- Approve technical studies in support of regulatory work of WRCs

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Radio Regulations Board (RRB)

- **approves Rules of Procedure used in applying Radio Regulations and registering frequency assignments made by Member States**
- **addresses matters which cannot be resolved through application of Radio Regulations and Rules of Procedure**
- **considers reports of unresolved interference investigations carried out by the Bureau at request of administrations and formulates Recommendations**
- **advises WRCs and RAs**
- **Bureau Director is Executive Secretary**

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