UNITED NATIONS

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Economic and Social Commission for Western Asia

Expert Group Meeting on Standardization in the Arab Countries
Amman, 2-5 February 1999

STANDARDS IN TELECOMMUNICATIONS

Prepared by
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**Standardization in the Arab Countries
(Expert Group Meeting)**

Amman 2 - 5 February 1999

Standards in Telecommunications

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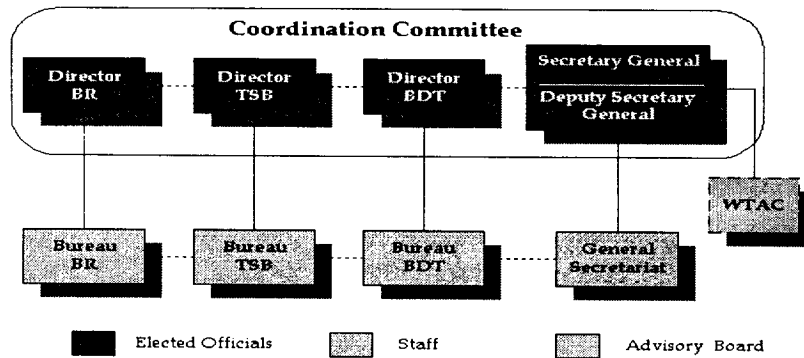
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International
Telecommunication
Union

ITU's History

In 1865, the first International
Telegraph Convention was signed
by 20 countries

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Coordination Committee

Director BR — Director TSB — Director BDT — Secretary General / Deputy Secretary General

Bureau BR — Bureau TSB — Bureau BDT — General Secretariat — WTAC

Elected Officials | Staff | Advisory Board

ITU Acronyms

- ITU-R Radiocommunication Sector
- ITU-T Telecommunication Standardization Sector
- ITU-D Telecommunication Development Sector

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ITU-T Activities

- 14 Study Groups to develop recommendations on the basis of the study of Questions (areas for studies)

ITU-T Product

- More than 2400 recommendations (standards) - 52000 pages
- Recommendations are non-binding

ITU-T Structure

- Telecommunication Standardization Study Group (SGs)
  - Working parties
  - Questions
  - Recommendations

ITU-T Structure

- Telecommunication Standardization Bureau (TSB)
  - Provides support for the work of the ITU-T
  - Diffuses information

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ITU-T Study Groups

- Study Group 6. Outside plant (13 Study Questions)
- Study Group 7. Data networks and open system communications (25 Study Questions)

ITU-T Study Groups

- Study Group 8. Characteristics of telematic systems (7 Study Questions)
- Study Group 9. Television and sound transmission (27 Study Questions)

ITU-T Study Groups

- Study Group 15. Transport networks, systems and equipment (20 Study Questions)
- Study Group 16. Multimedia services and systems (23 Study Questions)

ITU-T Publications

- ITU-T Recommendation
  - The List of ITU-T Recommendations
  - Recommendations in force
  - Superceded recommendations
  - Pre-published recommendations

ITU-T Publications

- Handbooks and guides
  - Operation
  - Network planning
  - Outside plant
  - Measurement methods
  - Formal languages

ITU-T Sector Members

- Advantages
  - Prestige and creditability
  - High level quality recommendations
  - Participation
  - Influence
  - Exchange of information
  - Access to ITU documents

ITU-T Sector Members

- Regional telecommunication organizations mentioned in article 43 of the ITU Constitution
- Intergovernmental organizations operating satellite systems
- The United Nations
- the specialized agencies of the United Nations and the International Atomic Energy Agency

ITU-T Web Site

http://www.itu.int/ITU-T

ITU-T Sector Members

- 144 recognized operating agencies
- 183 scientific or industrial organizations
- 3 entities dealing with telecommunications
- 23 regional and other international organizations
- 10 regional telecommunication organizations
- 4 intergovernmental organizations operating satellite systems

ITU-T Sector Members

- Operating agencies, scientific or industrial organizations and financial or development institutions.
- Other entities dealing with telecommunication matters
- Regional and other international telecommunication, standardization, financial or development organizations

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ITU-T Publications

- ITU-T Software
  - Software and data to test
    telecommunication equipment

ITU-T Publications

- ITU Operational Bulletin
  - Fortnightly
  - administrative and operational information
    exchanged
  - Codes, numbers or indicators allocated to
    countries and operators

ITU-T Study Groups

- Study Group 10. Languages and general software aspects for telecommunication systems (13 Study Questions)
- Study Group 11. Signalling requirements and protocols (25 Study Questions)

ITU-T Study Groups

- Study Group 12. End-to-end transmission performance of networks and terminals (22 Study Questions)
- Study Group 13. General network aspects (29 Study Questions)

ITU-T Study Groups

- Study Group 2. Network and services operation (16 Study Questions)

- Study Group 3. Tariff and accounting principles including related telecommunications economic and policy issues (7 Study Questions)

ITU-T Study Groups

- Study Group 4. Telecommunication management Network (TMN) and network maintenance (21 Study Questions)
- Study Group 5. Protection against electromagnetic environment effects (13 Study Questions)

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ITU-T Structure

- World Telecommunication Standardization Conference (WTSC)
  - Every 4 years
  - Defines general policy
  - Establishes study groups
  - Approves their work programme

ITU-T Structure

- Telecommunication Standardization Advisory Group (TSAG)
  - Reviews strategies and priorities
  - Follows up work programme accomplishment
  - Provides guidelines to the study groups

ITU-T Origins

- Created 1 March 1993 replacing the former International Telephone and Telegraph Consultative Committee (CCITT) whose origins are 100 years old

ITU-T Mission

- Studies
  - Technical
  - Operating
  - Tariff
- Recommendations on a worldwide basis
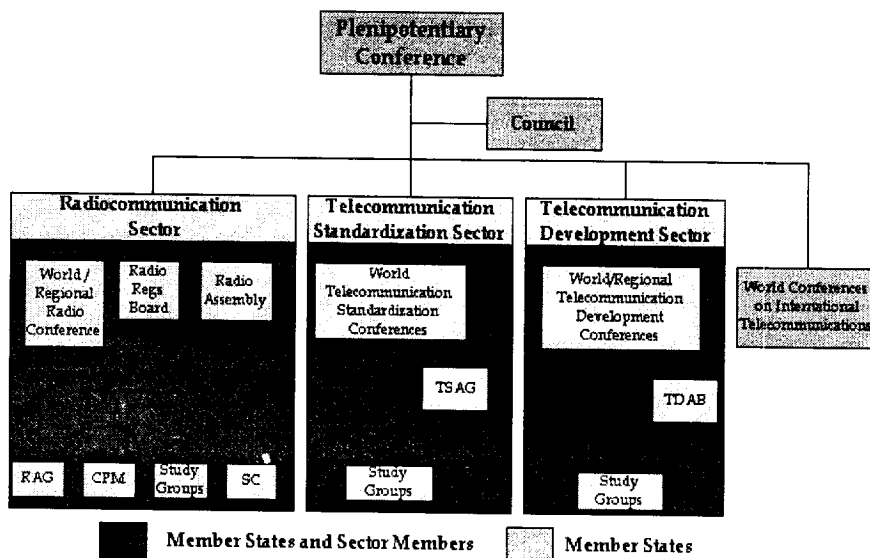
International
Telecommunication
Union

ITU's History

More than 130 years later,
telecommunications was transformed
from status of public utility to a
commerce and trade related activity