

# ITU introduction: structure, activities and achievements

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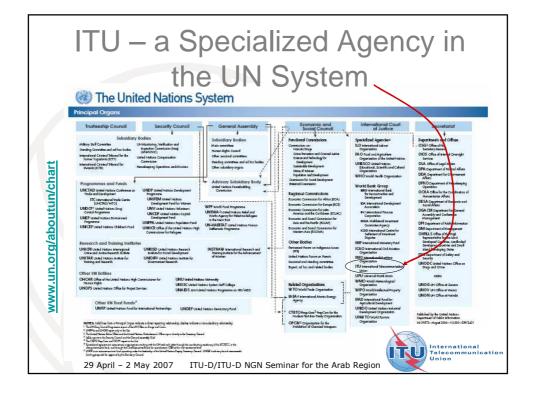
# There will always be change ...

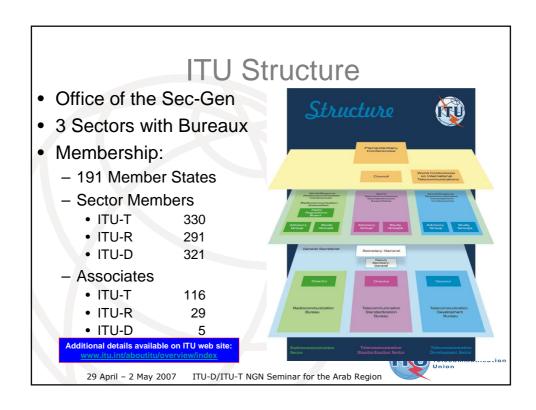
- Life is changing
  - -We're all more connected, do more on line
- Connectivity is changing
  - From discontinuities to seamless communications
- Communications are changing
  - More consumer oriented, more mobile, more secure
- Megatrends
  - Hyper-connectivity (everything is connected)
  - Network-aware applications and applications-aware networks
  - -True Broadband for that essential rich service experience

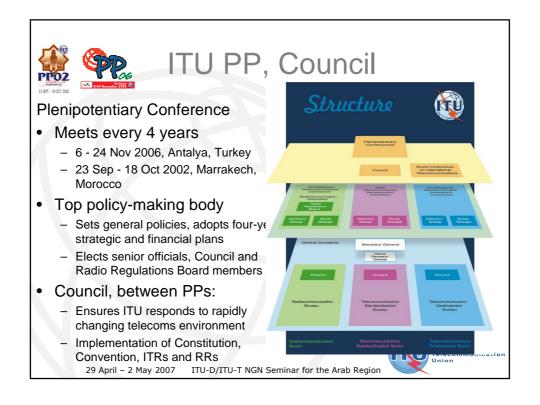
## ITU is a Global Institution

- Established 17 May 1865
  - CCIF, CCIT formed in 1924, 1925; merged into CCITT in 1956, became ITU-T in 1992
  - CCIR formed in 1927, became ITU-R in 1992
  - ITU-D created in 1992
- One of the world's most enduring organizations (Booz Allen Hamilton Study)
  - Because of its responsiveness to change!

http://www.boozallen.com/media/file/143411.pdf







## PP '06 instructs ITU to ...

### Among other things,

- Build confidence and security in use of ICTs
- Strengthen regional presence
- Assist members in deploying NGN
- Highlight the contribution of ICTs to development
- Work towards bridging the standardization gap between developing and developed countries

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### ITU Sector Roles and Missions

- General Secretariat
- Coordinates and manages the administrative and financial aspects of the Union's activities
- ITU-R
- Coordinates radio communications, radiofrequency spectrum management and wireless services
- ITU-T
- Mission is to ensure an efficient and on-time production of internationally applicable high quality standards covering all fields of telecommunications
- ITU-D
- Technical assistance and deployment of telecom networks and services in developing and least developed countries to develop

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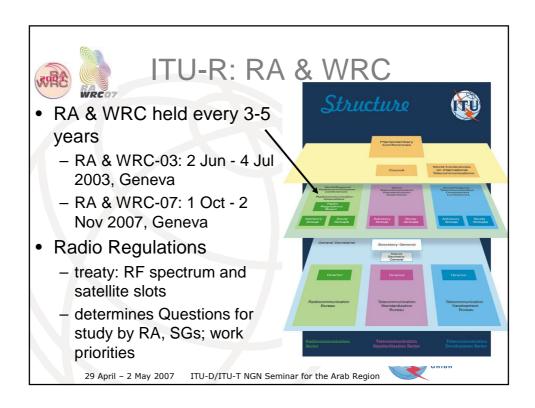
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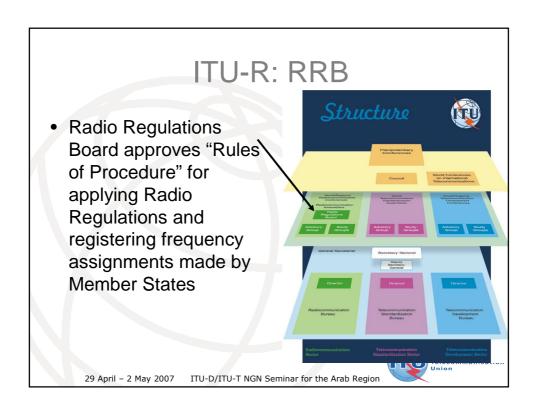
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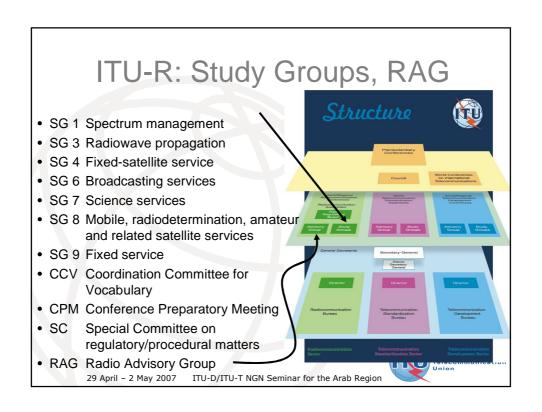
Communication ServiceS
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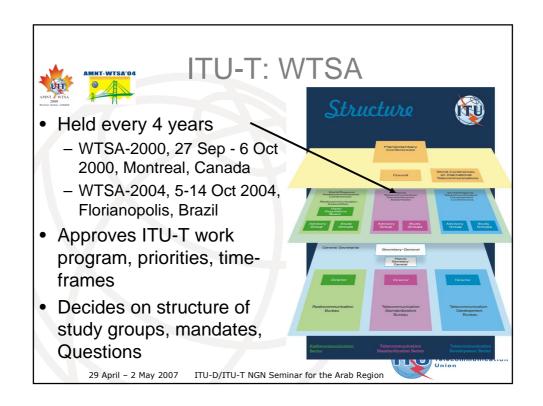


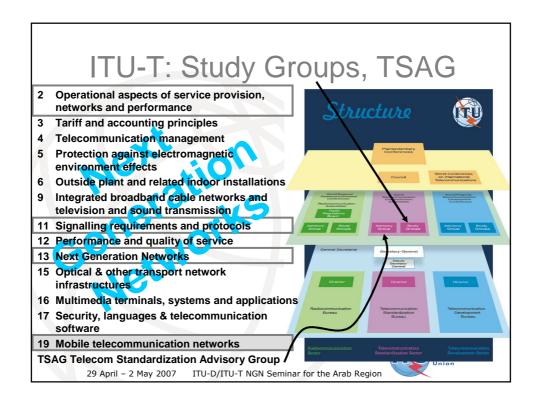




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## ITU-T Hot Topics

- Next Generation Networks (NGN)
- IPTV
- Home networking
- Cybersecurity including identity management (IdM)
- Ubiquitous networks
- Next generation multimedia conferencing
- Video-coding
- Broadband access
- Packet based transport
- Fibre optics



## **ITU-T Focus Groups**

#### Next Generation Networks



- Formed in response to industry needs
- Transitioned to NGN-GSI post-WTSA-2004
- Identity Management
- From/In/To Cars Communication
- IPTV
- Security Baseline for Network Operators
- NGN Management
- Open Communications Architecture Forum

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## ITU-T Products, Process

- Approx. 210 new and updated Recommendations approved every year
- · Approx. 95% approved by AAP
  - policy related Recs. use TAP
  - TAP: nominal 9 month approval cycle
- AAP approval time average: 9 weeks, as short as 5
  - cut approval time from >2 years, also saves \$Ms
- >3100 ITU-T Recommendations are in force
- 50% of contributions to ITU-T work are from Asia

# ITU-T in the Global Standards Community

#### ITU-T:

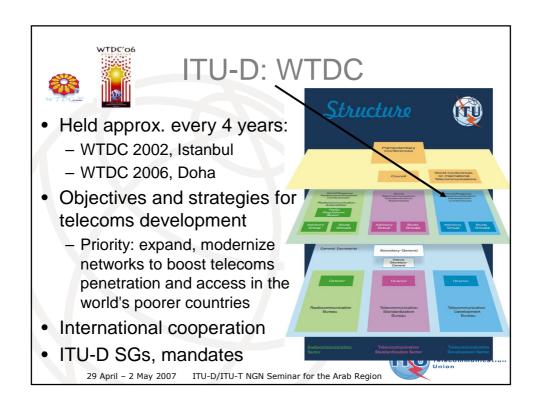
- Wherever appropriate, ITU-T references outputs of other standards bodies rather than duplicate work
- Good cooperation and collaboration are essential
  - 29 fora/consortia approved for communication process (ITU-T Rec. A.4)
  - 29 organizations qualified for including references in ITU-T Recs. (ITU-T Rec. A.5)
  - 15 national and regional SDOs approved for cooperation and exchange of information (ITU-T Rec. A.6)

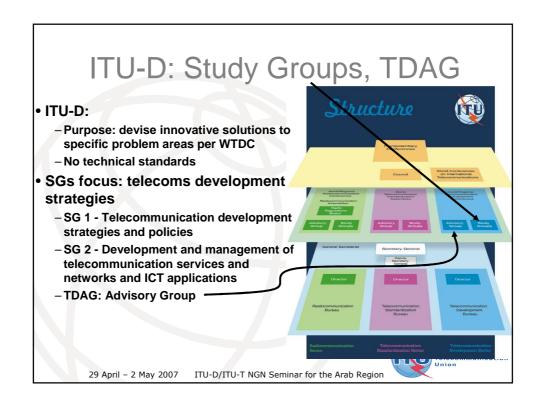
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#### ITU-T Rec. A.6 SDOs ARIB JCTEA **JCTEA** atis ATIS NIST NIST • SCTE • CEA CCSA SMPTE ecma ECMA • TIA International • TTA **ETSI** TTC IEEE

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## Summary

- Today's young person is tomorrow's decision maker: high expectations
  - Mobility, seamless applications and ubiquitous broadband access are key elements of future ICTs
- ITU is well structured to address radio, telecom and development sector needs
  - Global standards cooperation a hallmark
  - One of the world's most enduring organizations
- This seminar provides opportunity for experts to share their knowledge, experience and views on the future of the ICT with you!

# Selected Acronyms

ı				
I	2G	Second Generation	P.Eng.	Professional Engineer
I	3G	Third Generation	RA	Radio Assembly
I	BDT	Telecommunication Development	RAG	Radio Advisory Group
١		Bureau	SAG	Telecommunication Standards Advisory
I	CCV	Coordination Committee for		Group
I		Vocabulary	SC	Special Committee on
I	CPM	Conference Preparatory Meeting		regulatory/procedural matters
I	ICT	Information and Communications	SG	Study Group
I		Technology	SDO	Standards Development Organization
I	ITC	International Teletraffic Congress	TDAG	Telecommunication Development Advisory
I	ITU	International Telecommunication		Group
I		Union	WRC	World Radiocommunication Conference
I	ITU-D	ITU - Development Sector	WTDC	World Telecommunication Development
I	ITU-R	ITU - Radio Sector		Conference
I	ITU-T	ITU - Telecommunication	WTSA	World Telecommunication Standardization
I		Standardization Sector		Assembly
I	NGN	Next Generation Network		International Telecommunication Union
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# Thank you!

#### John Visser, P.Eng.

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