



IEEE 802 EC ITU standing committee

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Agenda for inaugural meeting

- Role of this standing committee
- ITU structure
 - ITU-T, ITU-R, ITU-D
 - IEEE membership
- ITU past conferences - policy & governance
 - ITU-T WTSA & TSAG
 - ITU WCIT
- ITU future conferences - policy & governance
 - TSB Director's IPR adhoc
 - ITU-D WTDC
 - ITU WSIS
 - ITU Plenipotentiary
- IEEE Technology Governance – staff engagement
- IEEE – ITU agreements
- IEEE 802 position

Role of the ITU standing committee

Background

- **IEEE-SA is starting to engage more in International Standards governance and public policy**
- **ITU events in 2014**
 - ITU-T Review Committee
 - ITU-T TSAG Cooperation & Collaboration rapporteur group
 - ITU-D World Telecom Development Conference (WTDC)
 - ITU World Summit on Information Society (WSIS+10)
 - ITU Plenipotentiary Conference
- **IEEE-SA BOG – International SDO task group**
 - Provide guidance for the relationship between IEEE-SA and ITU, IEC and ISO

Objective

- Provide IEEE 802 input into IEEE-SA engagements with ITU
- Receive updates on IEEE-SA engagements with ITU
- Do not interfere with existing technical liaisons to ITU-T (e.g., in 802.1, 802.3)
- Do not interfere with existing regulatory liaisons with ITU-R (e.g., in 802.18)

Motion (November 2013)

- **Create an EC ITU standing committee with the following objectives**
- **Objectives**
 - Provide IEEE 802 input into IEEE-SA engagements with ITU
 - Receive updates on IEEE-SA engagements with ITU
 - Do not interfere with existing technical liaisons to ITU-T (e.g., in 802.1, 802.3)
 - Do not interfere with existing regulatory liaisons with ITU-R (e.g., in 802.18)
- **The charge to the standing committee shall be Item #2 in the IEEE 802 P&P section 5.6.**
- **The EC chair appoints Glenn Parsons as the chair of this EC SC**

Move: John D'Ambrosia

Second: Tony Jeffree

LMSC P&P section 5.6, item #2

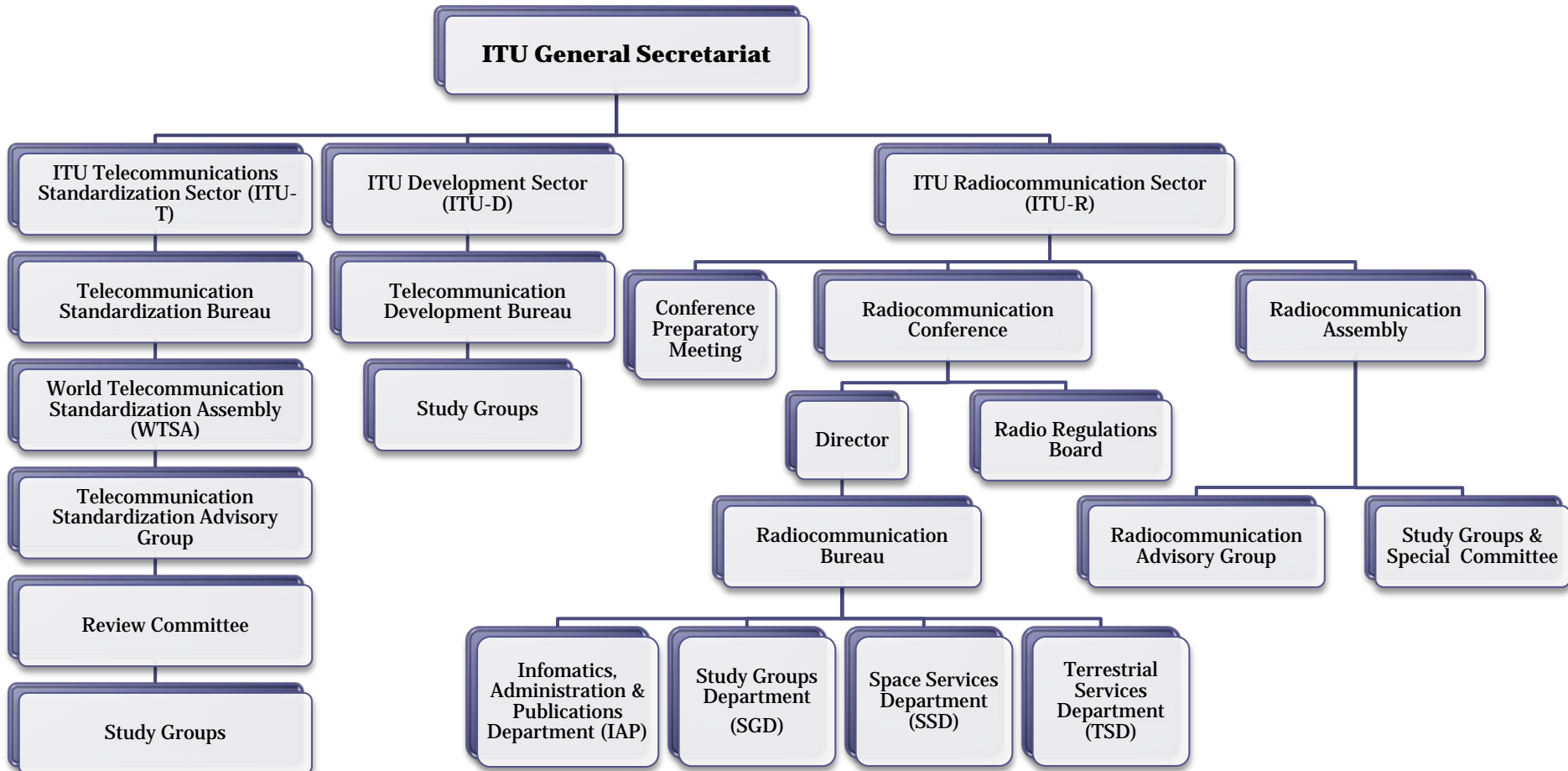
<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>

- **The subgroup is responsible for assisting the Sponsor (e.g., drafting all or a portion of a document, drafting responses to comments, drafting public statements on standards, or other purely advisory functions).**

ITU structure

Based on an IEEE-SA study

Organization Structure & Format



ITU Structure & Format

- The organization's structure is governed by Plenipot every four years

Plenipotentiary Conference

Council

ITU World Conferences on International Telecommunications

ITU-R

ITU-T

ITU-D

General Secretariat

UN Status

Though it has existed since 1865, the ITU has a unique position as a special agency of the United Nations, – a roll it has held since 1947 and a roll that puts it on par with other special agencies of the UN.



World Health Organization

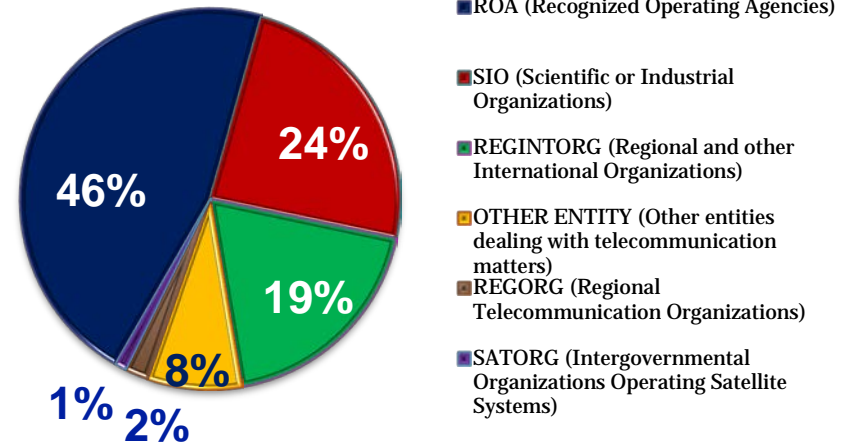


Membership

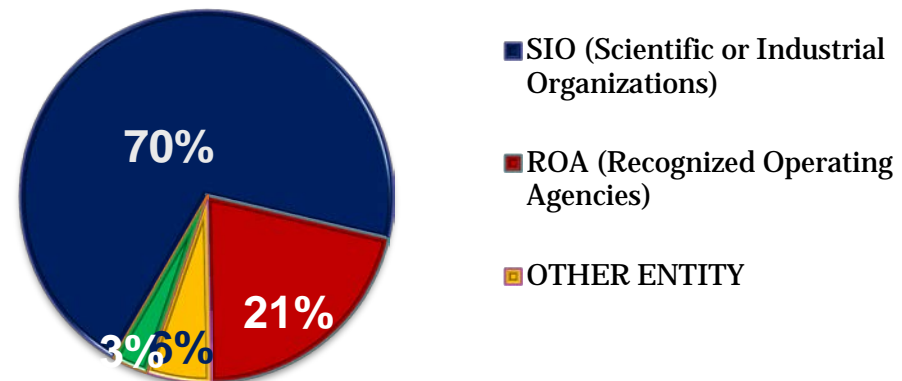
Four categories of membership support the function of the ITU:

- Member States
- Sector Members
- Associate Members
- Academia

Sector Members

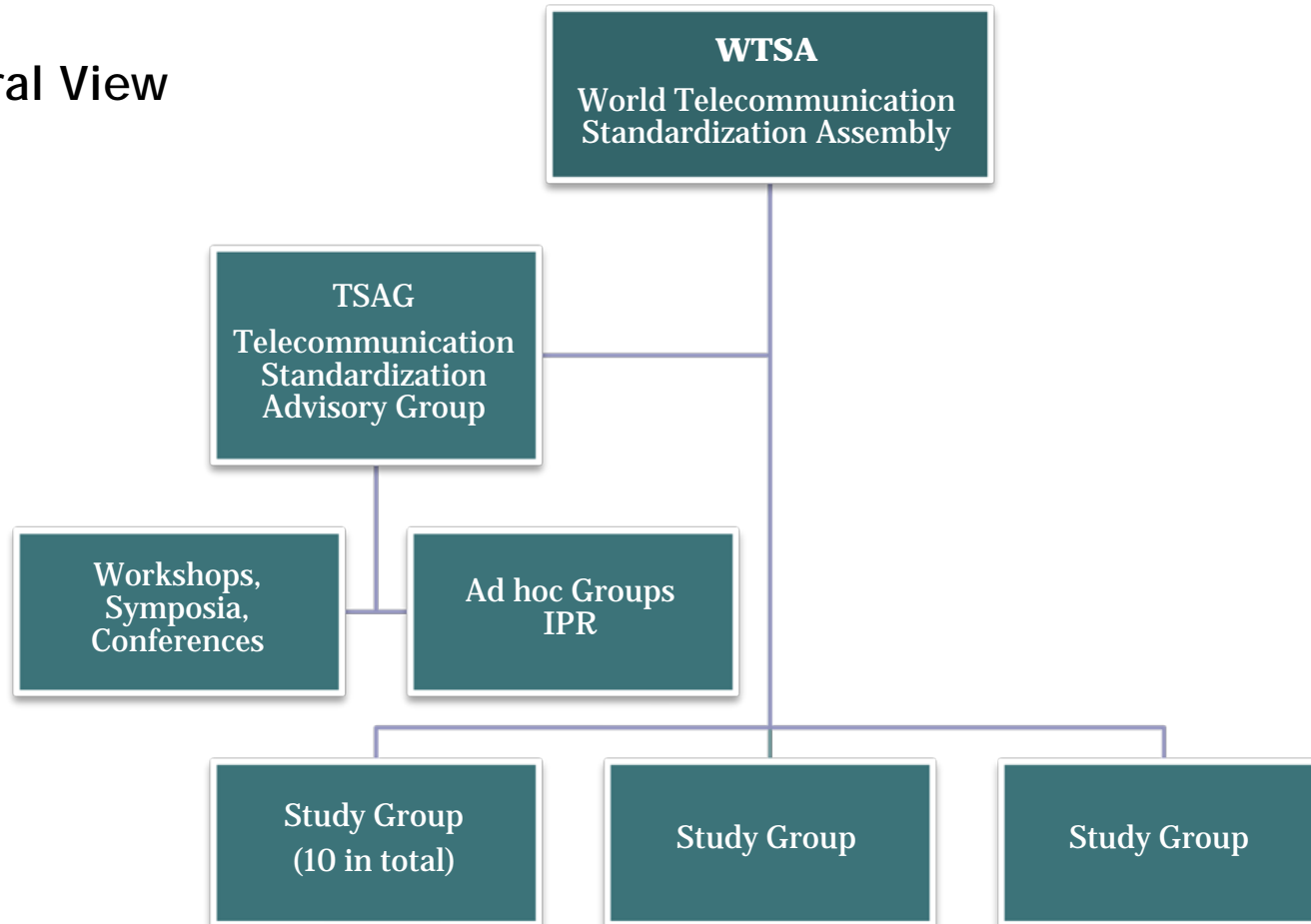


Associate Members



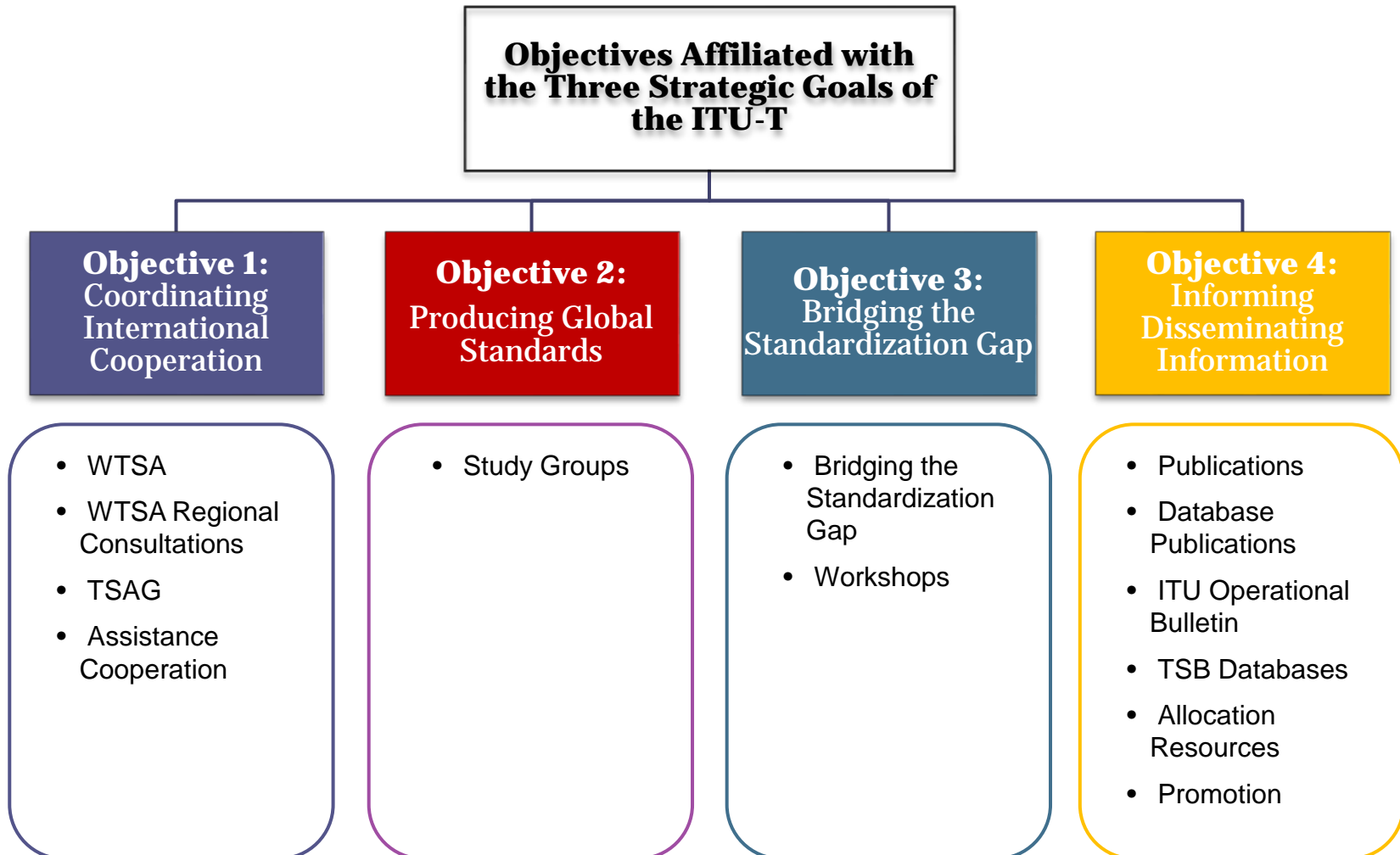
ITU-T

Structural View

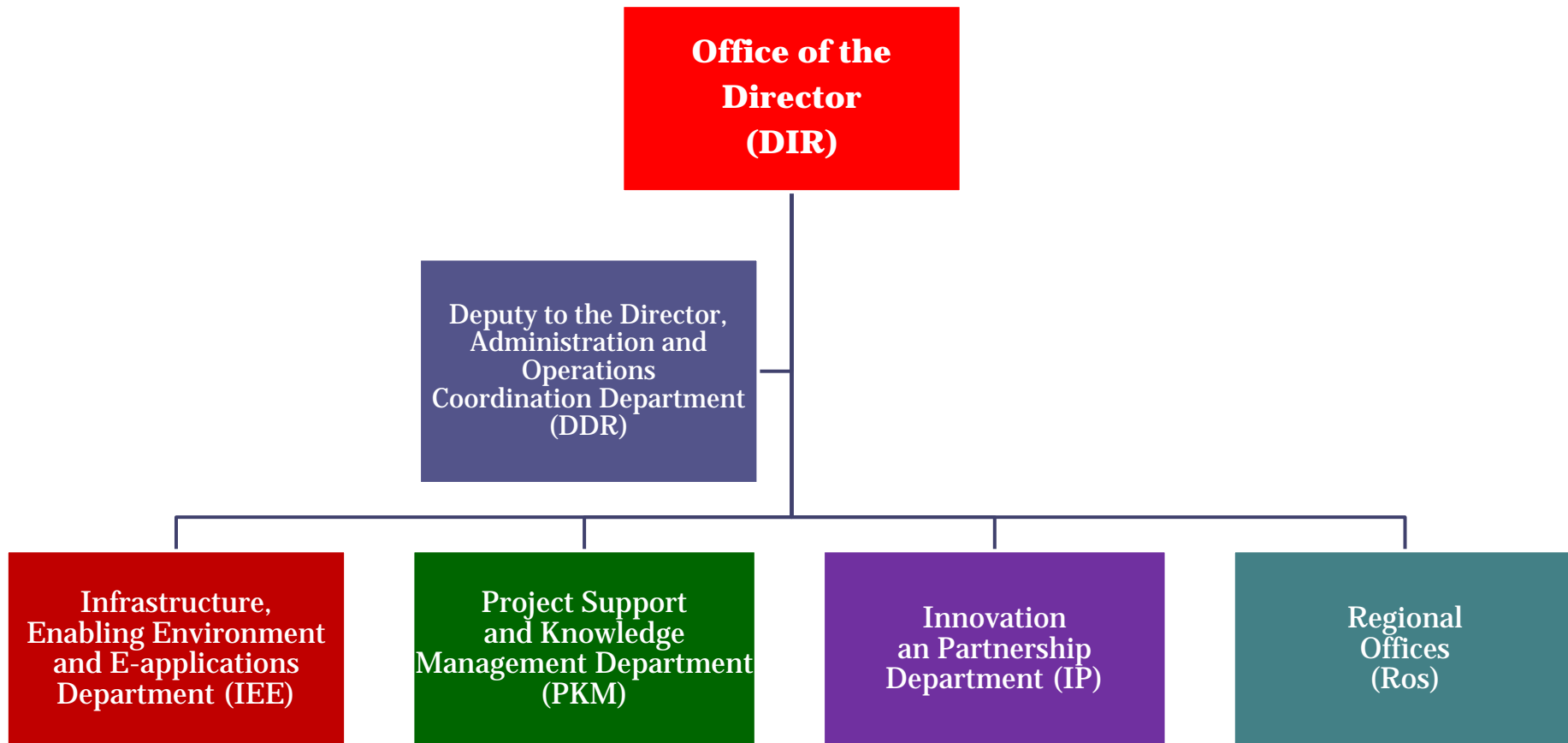


- SG Management Team
- WP (Working Party) Chairman (sometimes also Vice –Chair)
- TSB Engineer / Counselor

ITU-T Operational Plan



ITU-D Divisions & Roles



ITU-D Study Groups

- Whereas ITU-T hosts ten active study groups at present, the ITU-D structure contains only two.



- **Study Group 1 deals with telecommunication development strategies and policies.**

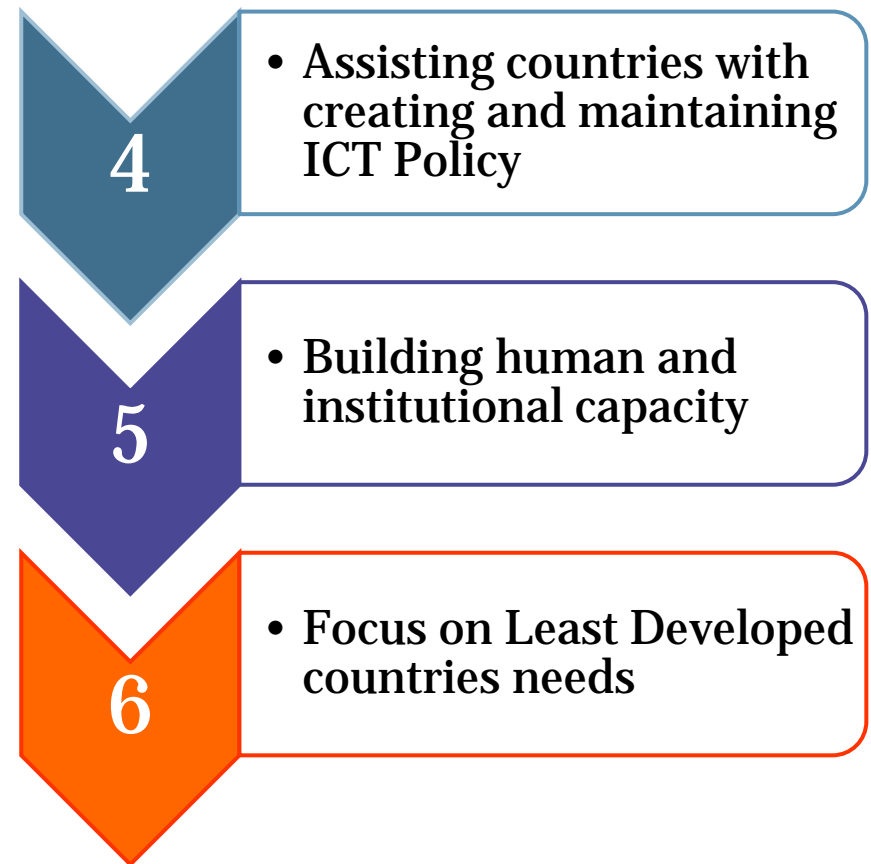
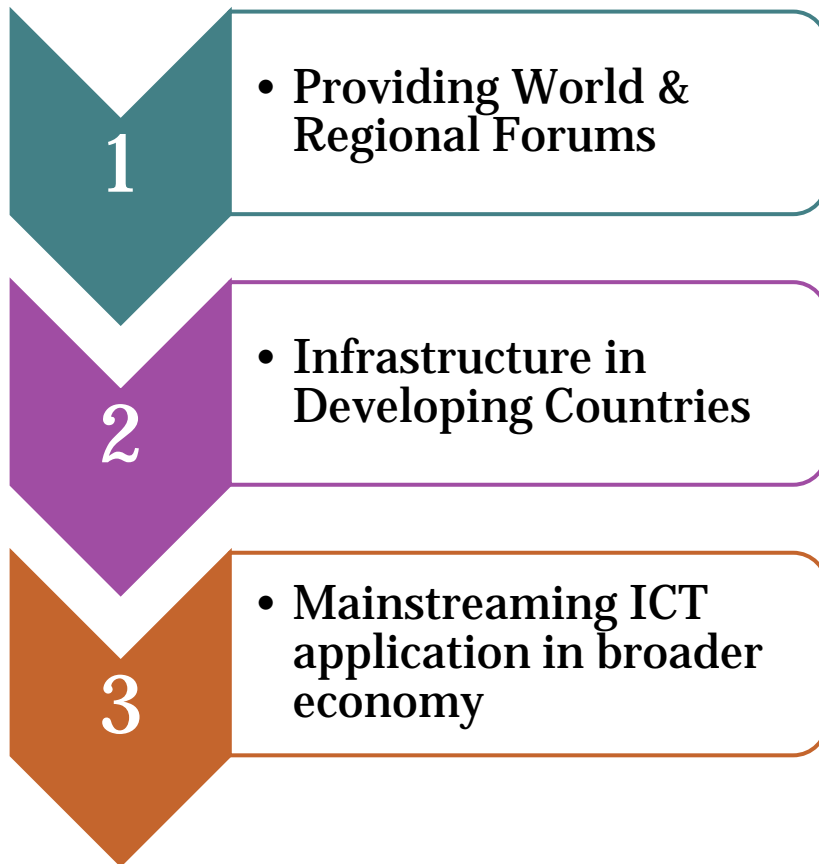


- **Study Group 2 focuses on development and management of telecommunication services and networks.**

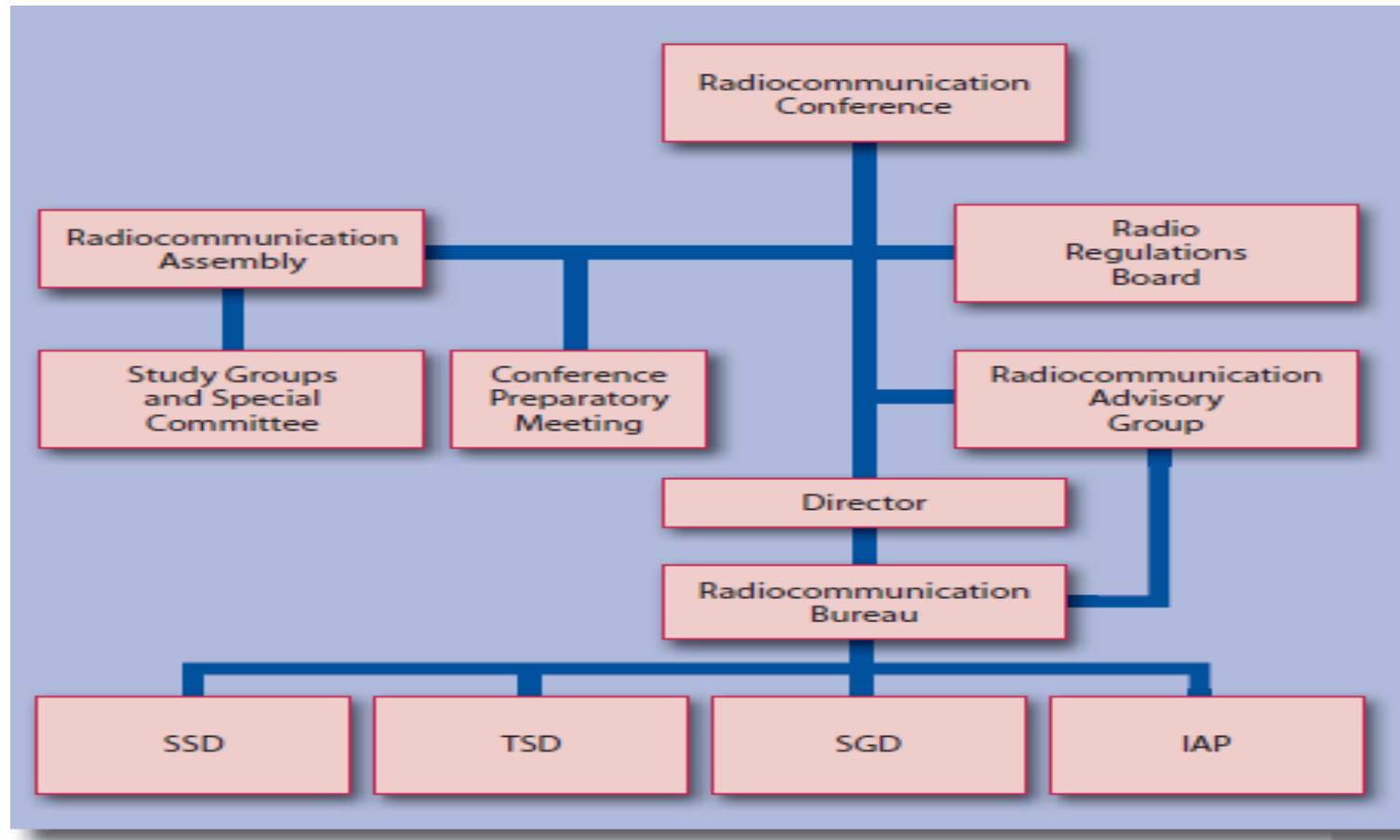
- The Telecommunication Development Advisory Group (TDAG) meets between the World Telecommunication Development Conferences (WTDC) to advise the Director of the Telecommunication Development Bureau (BDT) on the implementation of the WTDC Action Plan.

ITU-D Operational Plan

- The ITU-D currently operates with Six Specific Objectives in mind.



ITU-R Organizational Structure



SSD – Space Services Department

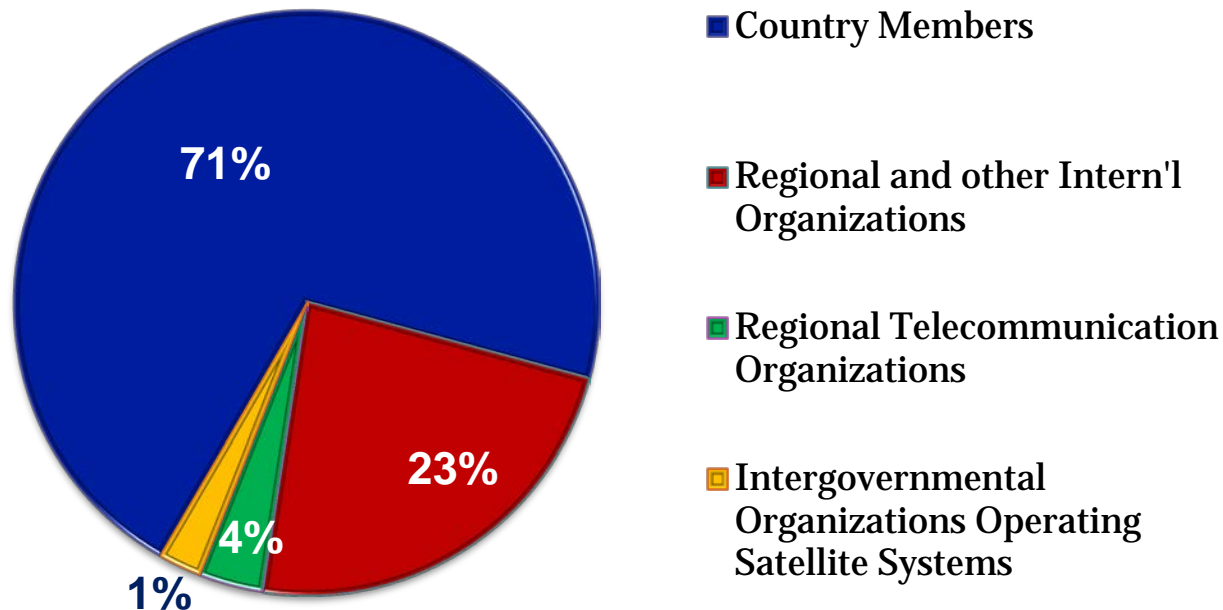
TSD – Terrestrial Services Department

SGD – Study Group Department

IAP – Informatics, Administration and Publications Department

ITU-R Membership

- Membership is broken into four categories, with **Country** members being the most populous category.
- **Regional & Other International Organizations** include a range of groups, i.e., the Asia Pacific Broadcasting Union (ABU), the International Bureau of Weights and Measures in France, ISO and IEEE.



ITU-R Operational Plan / Objectives

Objective 1: Coordinating ...

- World Radiocommunication Conference (WRC)
- Radiocommunication Assembly (RA)
- Radiocommunication Advisory Group (RAG)
- Radio Regulations Board (RRB)

Objective 2: Processing ...

- Processing of space notices and other related activities
- Processing of terrestrial notices and other related activities

Objective 3: Producing ...

- Study groups, working parties, task and joint groups
- Conference Preparatory Meeting (CPM)

Objective 4: Informing ...

- ITU-R Publications

Objective 5: Assisting ...

- Assistance to members, in particular developing countries and LDCs
- Liaison / support for development activities
- Seminars

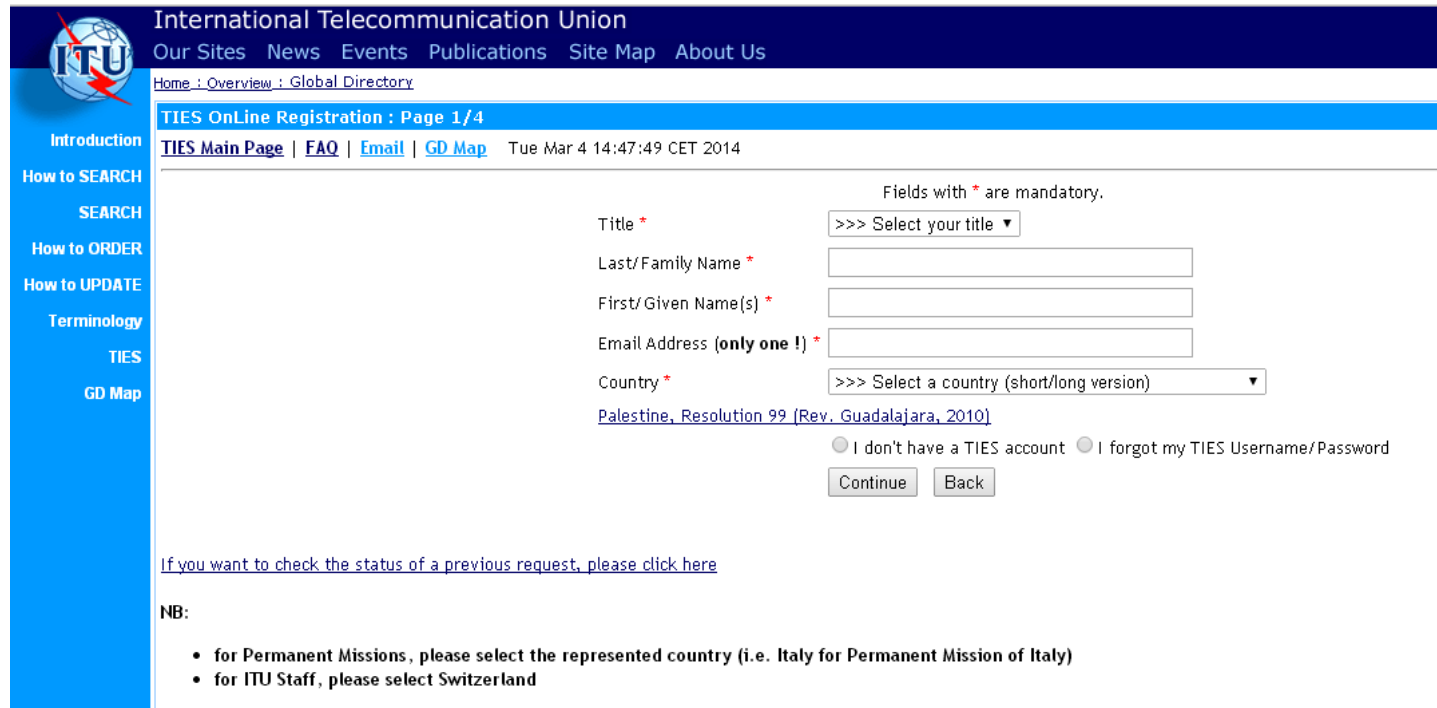
IEEE membership in ITU

IEEE and ITU

- **IEEE is a Sector Member of ITU-T, ITU-R and ITU-D**
 - Participate in the work of ITU-T Study Groups, Working Parties and expert groups, seminars, round tables, colloquia and workshops
 - Attend ITU and ITU-T decision-making bodies (e.g., ITU Plenipotentiary Conference, World Telecommunication Standardization Assembly)
 - ITU Council granted no fee sector membership ~2002
- **IEEE is classified as a “regional or other international organization”**
- **IEEE is qualified as**
 - ITU-T A.6 - Cooperation and exchange of information with national and regional SDOs
 - ITU-T A.5 - Making reference to documents from other organizations.

Register for a TIES Account

- Any IEEE 802 WG member may apply for a TIES Account under IEEE
 - Provides access to ITU-T documents
 - http://www.itu.int/online/mm/scripts/reg.screen1.html?_languageid=1


International Telecommunication Union

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TIES OnLine Registration : Page 1/4

[TIES Main Page](#) | [FAQ](#) | [Email](#) | [GD Map](#) Tue Mar 4 14:47:49 CET 2014

Introduction
 How to SEARCH
 SEARCH
 How to ORDER
 How to UPDATE
 Terminology
 TIES
 GD Map

Fields with * are mandatory.

Title *

Last/Family Name *

First/Given Name(s) *

Email Address (**only one !**) *

Country *

[Palestine, Resolution 99 \(Rev. Guadalajara, 2010\)](#)

I don't have a TIES account
 I forgot my TIES Username/Password

[If you want to check the status of a previous request, please click here](#)

NB:

- for Permanent Missions, please select the represented country (i.e. Italy for Permanent Mission of Italy)
- for ITU Staff, please select Switzerland

Attendance at ITU

- Typically, volunteers attend under their company's membership
- Volunteer attendance at ITU meetings as an IEEE representative requires IEEE-SA approval
 - ITU-R liaison (Mike Lynch) has been approved

Contact

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Stakeholder Engagement Liaison

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Past ITU conferences

Including IEEE-SA positions

ITU-T WTSA-12

- The World Telecommunication Standardization Assembly is held every four years and defines the next period of study for ITU-T.
- The ITU Convention provides that the WTSA shall be convened “to consider specific matters related to telecommunication standardization”.
 - The Assembly also reviews working methods including approval processes, the work programme and the structure of Study Groups.
- The Global Standards Symposium (GSS) was held the day before WTSA. Several SDOs, including IEEE-SA, presented:
 - <http://www.itu.int/en/ITU-T/wtsa12/Pages/gss/default.aspx>
- IEEE-SA had one position, which challenged a German proposal to allow referencing to include text from other SDOs without permission. This was originally presented to TSAG.
 - http://standards.ieee.org/develop/policies/reldoc_0512.pdf

ITU-T WTSA-12 result

- The Assembly adopted measures primarily related to the restructuring of working methods and organization and the functioning of the Telecommunication Standardization Sector (ITU-T), in particular:
 - adoption of a new Resolution establishing the creation of a Review Committee to discuss ways of improving the structure and functioning of the ITU-T;
 - adoption of a new Resolution on mechanisms to strengthen collaboration between ITU and other standards bodies;
 - creation of a new Joint Coordination Activity on technical aspects of telecommunications networks to support Internet;
 - revision of Resolution 64 on the allocation of IP addresses and facilitating the transition and implementation of IPv6;
 - minor revision of A-series recommendations (in line with IEEE-SA position)
- All resolutions are available:
 - <http://www.itu.int/pub/T-RES>
 - <http://www.itu.int/rec/T-REC-A/en>

Cooperation and collaboration

Res 81 – Strengthen Collab

- Define specific steps on how to improve coordination with other relevant standards bodies
- Rapporteur Group under TSAG
 - to examine existing methods and approaches to collaboration and/or cooperation with other standards organizations, with the view to encouraging ITU-T and other SDOs to work more collaboratively and/or cooperatively in a reciprocal manner based on mutual respect.”

Res 82 – Review of ITU-T

- Examine the adequacy of the current structure of ITU-T
- Independent committee
 - expected to address coordination and collaboration from a “macro” perspective, by for example, studying the feasibility of developing MoUs between the ITU and other standards bodies.

ITU WCIT-12

- WCIT-12 was a treaty-level conference to address International Telecommunications Regulations: international rules for telecommunications, including international tariffs.
 - The previous conference to update the Regulations (ITRs) was held in Melbourne in 1988.
- The major disagreement that took place leading up to and during WCIT-12 were the updates needed to the ITRs.
 - Many proposals were received about including the Internet in the ITRs.
 - Most of these proposals came from developing countries
- IEEE-SA had one position, which was that all ITU-T recommendations remain voluntary (i.e., there are no mandatory exceptions).
 - http://standards.ieee.org/develop/policies/position_0612.1.pdf

ITU WCIT-12 results

- The results from this conference have been highly publicized in the press
 - 55 countries did not sign the treaty (this includes the US, many European and Latin American nations), out of a total of 193 member states (countries).
 - For those countries that have not signed the treaty, they function under the previous treaty and still have the opportunity to sign the treaty at any given time.
- The treaty goes into effect 1 January 2015.
 - <http://www.itu.int/en/wcit-12/Documents/final-acts-wcit-12.pdf>
- As stated previously, IEEE-SA had one position, which was that all ITU-T recommendations remain voluntary (i.e., there are no mandatory exceptions).
 - This, along with many other important issues, were kept as status quo

Upcoming ITU conferences

TSB Director's adhoc on IPR

- This adhoc studies and may propose amendments to the following documents
 - ITU-T/ITU-R/ISO/IEC Common Patent Policy;
 - Guidelines for Implementation of the Common Patent Policy;
 - Patent Statement and Licensing Declaration Form
 - ITU-T Software Copyright Guidelines;
 - ITU-T Software Copyright Statement and Licensing Declaration Form;
 - Guidelines related to the inclusion of Marks in ITU-T Recommendations.
- Any proposed amendments would be submitted to the WSC Patent Task Force for consideration.
 - TSB Director is positioning for an initial submission to the June TSAG
- IEEE-SA PatCom administrator is monitoring

WSIS

- **WSIS was created as a result of Res 73 at ITU Plenipot-98.**
 - Two summits, held in Geneva 2003 and Tunis 2005, agreed the Action Plan
 - Yearly WSIS Forums since then have been continuing the broad dialogue on the information society
 - Yearly IGF (Internet Governance Forum) meetings since 2006 have focused on a multi-stakeholder policy dialogue on issues of Internet governance
- **The WSIS+10 High-Level Event will be held in Geneva from 10-13 June 2014**
 - It was postponed from the original Egyptian venue...
- **WSIS+10 will review the progress made in the implementation of the WSIS outcomes under the mandates of participating agencies, and to take stock of achievements in the last 10 years based on reports of WSIS.**
 - **WSIS is a UN event coordinated by ITU and co-organized by ITU, UNESCO, UNCTAD and UNDP.**
- **The Ninth Annual IGF Meeting will be held in Istanbul, Turkey on 2-5 September 2014.**
 - **The theme for the IGF 2014 Annual meeting is: "Connecting Continents for Enhanced Multistakeholder Internet Governance"**
- **The UN General Assembly will likely be asked to approve continuation beyond 2015**

ITU-D WTDC

- ITU's sixth **World Telecommunication Development Conference (WTDC)** will take place at the Dubai World Trade Centre in Dubai, United Arab Emirates, from 30 March to 10 April 2014.
 - In preparation of WTDC-14, six regional preparatory meetings (RPMs) were held in 2013
- The theme of WTDC-14 is "**Broadband for Sustainable Development**".
 - The objective of WTDC-14 is to establish work programmes and guidelines for defining telecommunication development questions and priorities and to provide direction and guidance for the work programme of the Telecommunication Development Sector (ITU-D) over the next four-year period.
- The controversial topics expected include:
 - A proposed definition of ICT
 - Proposals on ITU administration of the Internet

ITU-T TSAG

- Meets yearly to deal with policy and governance issues for ITU-T and its study groups
- Next meeting will be June 2014 in Geneva. Co-located meetings before/after include:
 - Rapporteur Group on Strengthening Collaboration
 - Review Committee
 - ITU Council
- Topics of interest include
 - A-series improvements for collaboration
 - Conformance testing
 - IPR policy

ITU Plenipotentiary

- The Plenipotentiary Conference is the key event at which ITU Member States decide on the future role of the organization.
 - The 2014 Plenipotentiary Conference will be held in Busan, Republic of Korea from 20 October to 7 November.
- The Plenipotentiary Conference elects the Secretary-General, the Deputy Secretary-General, the Directors of the Bureaux and the members of the Radio Regulations Board.
 - The Plenipotentiary Conference also elects the Member States that will constitute the next ITU Council.
- The controversial topics expected include:
 - Proposals on ITU administration of the Internet

IEEE-SA position on Internet

http://standards.ieee.org/develop/policies/position_0214.pdf

- **Open Evolution of Internet Standards**
 - A universally open, fully transparent and broadly consensual standards development process, as exemplified by the OpenStand principles, is the solution to many of the challenges.
 - In particular, we explicitly support the position of the IEEE 802 leaders regarding security protocols related to IEEE 802 standards.
 - Finally, we would like to use this occasion to announce that IEEE, with its unique position and potential among vast, global communities of scientists, engineers and experts in all pertinent technical fields, is planning to significantly augment its global engagement in the Internet arena.

IEEE-SA technology governance

Staff engagement

IEEE Technology Governance

- **What is it?**
 - Technology governance occurs at the intersection of technology and policy
 - Technology governance is an aspect of public policy going beyond governmental intervention and regulation
 - Technology impacts policy and policy impacts technology and innovation
- **New focus area for the IEEE**
 - In early stages of development
 - Cross functional/IEEE activity
 - Spearheaded by the IEEE-SA

IEEE Technology Governance: Goal

- IEEE has a strong presence and reputation in the technology arena
 - It is directly and indirectly affected by discussions, topics and controversies
 - Committed to providing an environment where the expertise and strength of IEEE diverse global community can help inform and influence discussions around technology governance in a “bottom up,” open and transparent process
- Seek to optimize IEEE’s global, multi-stakeholder constituency’s technical expertise and knowledge to engage with and make contributions to venues and fora, helping to advance technology for the benefit of humanity
- Unite IEEE communities around common issues and concerns
- Expand IEEE’s global footprint

Technology Governance: Future State

- Track topics/issues impacting IEEE's communities
- Coordinate IEEE community's input into discussions
- Support IEEE community's development of contributions into relevant technology governance fora to help promote and advance the importance of open technology and standards development and their impact on innovation and advancing technology for the benefit of humanity
- Support IEEE community by:
 - Managing the technology governance process efficiently and effectively to benefit the global IEEE community
 - Engaging and supporting the participation of all stakeholders
 - Informing and educating stakeholders
 - Building capacity for engagement in technology governance and policy fora

IEEE Technology Governance

Current Staff Activities

- **Organization for Economic Co-operation and Development Technical Advisory Committee (OECD ITAC)**
 - Working Party on Information Economy (WPIE)
 - Working Party on Security and Privacy (WPSP)
- **ITU-T**
 - World Telecommunication Standardization Assembly (WTSA)
 - World Conference on International Telecommunications (WCIT)
 - World Telecommunications Policy Forum (WTPF)
 - Global Symposium on Regulators (GSR)
- **World Summit on Information Society (WSIS)**
- **European Multi-Stakeholder Platform on ICT Standardisation (MSP)**
- **Transatlantic Trade and Investment Partnership (TTIP)**

IEEE-SA staff - Technology Governance

- **Recruiting a Senior Director, Technology Governance**
- **Current point of contact:**
 - Konstantinos Karachalios
- **Karen McCabe**
 - ITU
 - IEEE Internet Initiative
 - WSIS
 - OpenStand (OpenStand partners of ISOC, IETF, W3C, IAB)
- **Bob LaBelle**
 - OECD
 - Kantara Initiative (identify management framework)
 - APWG (cybercrime)
- **Moira Patterson**
 - European Multi-stakeholder platform (MSP)
- **Sue Vogel**
 - TTIP

IEEE - ITU agreements

Previous agreements

- **IEEE ComSoc MOU on Kaleidoscope**
- **IEEE sector membership in ITU T, R & D**
- **ITU access to IEEE Xplore**
- **ITU hosting of IEEE 802 events**
- **ITU membership in IEEE-SA Standards Education Committee**

Future agreements?

- **Since initial engagement during the ITU hosting of the IEEE 802 plenary in 2013, ITU has been promoting a single all encompassing cooperation agreement with IEEE**

IEEE 802 position

Next steps?

- **Should IEEE 802 have a position?**
 - i.e., beyond the involvement of individuals
 - If so, how should it be developed and then progressed?
- **Should IEEE 802 provide input to IEEE-SA on any ITU meetings?**
 - E.g., TSAG/RevCom, Plenipot
- **Should future IEEE 802 ITU SC meetings focus on a similar level set and/or update?**

Conclusion

- IEEE-SA “Technology Governance” is a misleading title without explanation of the goals
 - E.g., how is the scope different from IEEE-USA?
- Any new agreement with ITU should be meaningful for IEEE. E.g.,
 - Mutual recognition as peers in regards to standards
 - Agreement after Plenipot
- IEEE 802, through this ITU SC, should lead prep meetings for upcoming ITU events for IEEE
 - Formalize current volunteer engagement
 - Summarize issues to be discussed per ITU event
 - IEEE-SA staff will provide a calendar of targeted ITU events that will be used to guide the agenda
 - Review proposed positions/contributions
 - IEEE-SA staff or volunteers may propose
 - Hold conference calls as needed between plenaries
- Reciprocal rights for 802 WGs – policy per home WG