



# IEEE 802 EC ITU standing committee

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# July meeting plan

- Wednesday, Jul 13<sup>th</sup>, 4-5 pm
  - <https://ieeesa.webex.com/ieeesa/j.php?MTID=mec36792bc79d3c523477431fod27e625>
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
  - ITU-T WTSA – Mar 2022
  - ITU Council – Mar 2022
  - ITU WSIS – Mar-Jun 2022
  - ITU-D WTDC – Jun 2022
- Review future meetings
  - ITU Plenipotentiary – Nov 2022
  - ITU-T TSAG – Dec 2022

# Role of the ITU standing committee

# 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 and technical liaisons with ITU-R (e.g., in 802.18)

# 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).

# Operating practice

- Consensus
  - Any voting, approvals will be done by the EC
- Reciprocal attendance rights for 802 WGs
  - policy is per home WG
- Preparatory meetings for upcoming ITU events for IEEE
  - Formalize current volunteer engagement
  - Summarize issues to be discussed per ITU event
    - IEEE-SA staff will indicate targeted ITU events to guide the agenda
  - Review proposed positions/contributions
    - IEEE-SA staff or volunteers may propose
  - Hold conference calls as needed between plenaries

# 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

- Typically, volunteers get access under their company's membership
- Any IEEE 802 WG member may apply for a TIES Account under IEEE
  - Provides access to ITU-T documents
  - <https://www.itu.int/en/ties-services/Pages/login.aspx>

ITU Committed to connecting the world

What would you like to search for?

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About ITU Media Centre Events Publications Statistics Areas of Action

## ITU User Account: Login

YOU ARE HERE > HOME > TIES-SERVICES > ITU USER ACCOUNT: LOGIN

Debug

WELCOME

Logon  I already have a User Account  I am a new user

Create a User Account

Create your user Account as:

**ITU MEMBERS**

- Member State
- Sector Member
- Associate
- Academia, University, Research Establishment
- International/Regional Organizations

# 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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# IEEE-SA BOG International SDO ad hoc

# 2022 Status

- Ad-hoc Committee On IEEE Relationship to International SDOs
- 2022 Scope (unchanged):
  - Provide strategic guidance, including competitive intelligence, to the IEEE SA BoG with respect to the interactions between IEEE SA and IEC, ISO, ITU, and regional Standards Development Organizations.
- 2022 Membership
  - Chair – David Law
  - Others – Glenn Parsons
- Progress
  - Initial meeting

# Recent ITU conferences

# ITU-T WTSA-20

- **World Telecommunication Standardization Assembly**
  - **non-binding, non-treaty**
    - usually held every four years WTSA-20 will take place in 1-9 March 2022
    - Originally in Hyderabad, India but now confirmed to be in-person in Geneva
  - **leadership appointment for Study Groups**
    - New leadership decided, with Russian candidate removed by vote
  - **organized in committees to define the next period of study for ITU-T, two substantive :**
    - **Working Methods, which discussed such matters as proposed changes to**
      - Resolution 1 (Rules of procedure of ITU-T),
      - Recommendation A.1 (Working methods for study groups of ITU-T) and
      - Recommendation A.7 (Focus Groups: Establishment and working procedures)
    - **Work Programme and Structure, which addressed, in addition to question definition, the establishment of a framework for SG restructuring at WTSA-24.**
- **Global Standards Symposium**
  - **Leader forum of SDOs (without IEEE) and industry (on thematic topics) immediately preceding, 28 Feb**

# Notable process resolutions and recommendations

- Res 1
  - Increase of contribution deadlines (12 days for SG)
  - Update of new questions approval process
- A.8 – Alternative Approval Process
  - Clarification that typo comments can be handled by staff during publication
  - Formalize comment template and deadlines for processing
- A.5 referencing other organizations
  - Clarification of qualification of other organizations (and the review of IPR policies)
  - Clarification of identifying IPR issues when referencing
- A.25 incorporating from organizations
  - Clarification of identifying IPR issues when incorporating



# Notable thematic resolutions

- Industry, Open RAN and AI
  - Proposed but not agreed. May reappear at WTDC or PP
  - Some aspects of “open networks” added in Res 92 on IMT-2020
- Study Group Restructuring for WTSA-2024
  - Action plan agreed with TSAG and TSB to perform a two-year review and make a proposal
- Res 44 – Bridging the Standardization gap
  - Encourage members to send employees from subsidiaries in developing countries to ITU meetings
  - Encourage SG to hold meetings in developing countries
- Res 50 – Cybersecurity
  - Design security architecture and capabilities...

# ITU Council

- The Council acts as the Union's governing body in the interval between Plenipotentiary Conferences.
- Its role is to consider broad telecommunication policy issues to ensure that the Union's activities, policies and strategies fully respond to today's dynamic, rapidly changing telecommunications environment.

# ITU Council - March 2022

- Council WG reports
  - Elaboration of the draft Strategic Plan and draft Financial Plan
  - Internet public policy, WSIS & SDGs, languages, ...
  - CWG-LANG is studying the inclusive languages issue
- Guidelines for the utilization of the Global Cybersecurity Agenda
  - the secretariat will conduct further consultations with Council Member States
- Feasibility study on establishing an ITU Training Institute
  - The secretariat will review ITU's capacity development activities and present a proposal on how they could be improved and strengthened.
- Meeting planning
  - Plenipotentiary 2022 (Sept 26 – Oct 14, 2022)
    - Discussion on arrangements including the Conference structure, the chairmanship, and possible chairs of the substantive committees.
  - WTDC-2021 (originally 8-19 November 2021)
    - Postponed to June 6-15, 2022, in Kigali, Rwanda

# Virtual WSIS Forum 2022



- World Summit on the Information Society
  - ITU + UNESCO + UNCTAD + UNDP
    - discuss the role of ICTs to implement the UN Sustainable Development Goals
  - ICTs for Well-Being, Inclusion and Resilience: WSIS Cooperation for Accelerating Progress on the SDGs
- 12-week agenda planned with 250+ sessions
  - concluding 30 May – 2 June
    - Including initiatives of digital cooperation for the COVID-19 pandemic.
- Open Consultation process
  - Themes, Topics, Speakers, Workshops, Exhibits
  - IEEE SA is a Specific Activity Partner
    - Includes thematic workshop, HL policy session, HL track facilitator
    - Potential IEEE 802 topic – Time-Sensitive Networking

# Time-Sensitive Networking

## WSIS thematic session 311

- Scope:
  - Imagine the opportunities possible if networking was instant and reliable, between people and things that matter, when and where it matters most.

### □ Summary

- IEEE 802.1 Architecture and Bridging
- Fundamentals of Time-Sensitive Networking (TSN)
- Time Synchronization
- TSN Profile for Industrial Automation
- TSN Profile for Automotive
- TSN Profile for Aerospace

The screenshot shows a presentation slide for a WSIS Forum 2022 session. The slide features the IEEE logo and the text 'Advancing Technology for Humanity'. The main title is 'Time-Sensitive Networking'. Below the title, it lists the Moderator as Glenn Parsons and the Speakers as János Farkas, Silvana Rodrigues, Jordon Woods, Max Turner, and Abdul Jabbar. The slide also includes the WSIS Forum 2022 logo and the website address www.wsis.org/forum. A small inset video shows Glenn Parsons, Ericsson, speaking.

# IEEE at WSIS

- IEEE Thematic Workshop on Time-Sensitive Networking
- IEEE Thematic Workshop: Is it technically possible to make the digital world age appropriate?
- [Intervention during the High-level Strategic Dialogue with Partners: ICTs for Well-Being, Inclusion and Resilience: WSIS Cooperation for Accelerating Progress on the SDGs](#)
- IEEE Facilitation of High-Level Policy Session 5: ICT Applications and Services
- Intervention during High-Level Policy Session 6: Climate Change/ Bridging Digital Divides
- IEEE Knowledge Café: “Imagine the Future We Can Build Together”
- WSIS TalkX: ICT Inspiration Stories



# ITU-D WTDC 2021



- World Telecommunication Development Conference
  - “Connecting the unconnected to achieve sustainable development”
  - Postponed to June 6-15, 2022
  - TDAG has agreed on “Resolutions, the draft Declaration and Thematic Priorities” but debate remains on the need for a separate theme on cybersecurity.
- A “Fit4Purpose” agenda included the following elements:
  - integration of a High-Level Segment and policy statements into a “Development Track” featuring roundtables and panels
  - an “Administrative Track” would also enable discussions to take place on thematic priorities, study group Questions, regional priorities/initiatives and on modifications to WTDC resolutions.
- Side event focused on implementing SDGs
  - Highlighted existing and new funding to support developing countries to connect the unconnected



# Future ITU conferences



# ITU Plenipotentiary 2022

- Held every four years
  - Sept 26 – Oct 14, 2022 – [Bucharest, Romania](#)
- Election of officials
  - ITU-T Director and Secretary General are notable
- Sets ITU's general policies, adopt four-year strategic and financial plans, and address key ICT issues as requested by ITU Members.
  - Documented in Resolutions
- Updates to base text unlikely
  - Constitution and Conventions
- Preparation work undertaken by the six regional telecommunication organizations

# Preparations led by ITU Regional Telecommunication Organizations

CITEL: Inter-American Telecommunication Commission – North, Central and South America, and the Caribbean – 34 Member States except Cuba

CEPT: European Conference of Postal and Telecommunications Administrations – 48 countries of the European region

ATU: African Telecommunications Union – 46 Member States of the African region

APT: Asia-Pacific Telecommunity – 38 Member States of the Asia-Pacific region

RCC: Regional Commonwealth in the field of Communications – 17 Member States comprising the Russian Federation and former Soviet republics .

League of Arab States – 21 Arab States in and around North Africa, the Horn of Africa and Arabia

# Resolutions of interest

- DECISION 5, Revenue and expenses for the Union for the period 2020-2023.
  - Push to balanced budget expected (higher unit, reduce...)
- RESOLUTION 11 ITU Telecom events.
  - Sunset?
- RESOLUTION 101, 102, 133, 180 Internet Protocol-based networks
  - Some member states others have insisted that Internet issues should remain within the exclusive purview of ITU Member States to discuss
- RESOLUTION 130 , building confidence and security for ICT
  - Some member states are keen to expand the policy role of ITU in cybersecurity matters
- RESOLUTION 146, International Telecommunication Regulations.
- RESOLUTION 177, 188 , Conformance and interoperability, Counterfeit
  - ITU Mark
- RESOLUTION 212, The Union's future headquarters premises.
- New: AI, open

# Telecommunication Standardization Advisory Group (TSAG)

- advisory body to the study groups, membership and staff of ITU-T
  - responsible for the working procedures defined in the A-series Recommendations and the organization of the ITU-T work programme.
  - Responsible for the work programme between WTSA
- In person - December 2022
  - TSAG will organize into working parties and Rapporteur Groups

# Key issues include

- SG restructuring (targeting WTSA-24)
  - Resolution proposed for WTSA including
    - The use of metrics to guide restructuring
    - The involvement of TSB (and no independent consultant)
- Collaboration
  - Rec. A.23 Appendix
    - Clarifying collaboration with ISO and IEC on information technology
  - Status of ITU-T relationship with oneM2M in support of SG20
- Ad hoc group on governance & management of e-meetings
  - terms of reference agreed and meeting through Dec TSAG
- Working methods
  - focused on facilitating decision-making at WTSA

# IEEE 802 summary

- ITU-R liaison
  - 802.18 should decide if this liaison position remains important
  - If so make a recommendation for a candidate (to the EC, who will bring to the BOG)
- There are strategic opportunities for policy engagement and capacity building on IEEE 802 technologies at ITU conferences
  - Time-Sensitive Networking workshop held at WSIS 2022