



IEEE 802 EC ITU standing committee

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March meeting plan

- Wednesday, Mar 16th, 4-5 pm ET
 - <https://ieeesa.webex.com/ieeesa/j.php?MTID=md50577978e29129c0d235b685d1a94cb>
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
 - ITU WTPF – Dec 2021
 - ITU-T TSAG – Jan 2022
 - ITU-T WTSA – Mar 2022
- Review future meetings
 - ITU Council – Mar 2022
 - ITU WSIS – Mar-Jun 2022
 - ITU-D WTDC – Jun 2022
 - ITU Plenipotentiary – Nov 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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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 TBD
- Progress
 - Has not met yet

Recent ITU conferences

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
- Virtual arrangement – 10-14 January 2022
 - ~300 participants online (double in-person attendance).
 - TSAG work continues within Rapporteur Groups
- Inclusive language
 - Initiated in SG15, but now deferred to Council WG on languages

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
 - Adoption/collaboration and application of Rec. A.25
- Ad hoc group on governance & management of e-meetings
 - terms of reference agreed and meeting through Sept TSAG
- Working methods
 - focused on facilitating decision-making at WTSA

WTPF-2021

- The 6th World Telecommunication Policy Forum (WTPF) will be held **in-person** from 16-18 December, 2021
 - But with “extensive remote participation”
 - “Policies for mobilizing new and emerging telecommunications/ICTs for sustainable development”.
- An Informal Experts Group has been formed to oversee the development of the Report of the Secretary-General, which will be the basis of all discussions at the Forum.
 - Members invited to nominate experts
- The purpose of a WTPF is not to produce prescriptive regulatory outcomes, only reports and opinions by consensus.
 - It is expected that some draft Opinions will be submitted which deal with controversial topics such as cybersecurity, Internet-related public policy issues, and OTTs

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**

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

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...

Future ITU conferences

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, now 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 open consultation proposal submission

- Potential scope:
 - Imagine the opportunities possible if networking was instant and reliable, between people and things that matter, when and where it matters most.
- Background:
 - Time-Sensitive Networking (TSN) makes it possible to carry data traffic of time-critical applications over a network shared by various kinds of applications having different Quality of Service (QoS) requirements. TSN provides guaranteed data transport with bounded low latency, low delay variation, and extremely low data loss. By reserving resources for critical traffic, and applying various queuing and shaping techniques, TSN achieves zero congestion loss for critical data traffic. This, in turn, allows TSN to guarantee a worst-case end-to-end latency for critical data.
 - These features make TSN applicable and economical for various use cases in the digital transformation. TSN can be used in various verticals, e.g., in industrial automation networks being developed for smart factories, in cellular networks, in networks for critical machine-to-machine communication, for new networking approaches in vehicles including support for autonomous driving, and many more, with a constantly expanding list.
 - But what are the policy implications of reserving resources outside of an enterprise network, across and between national provider networks or between jurisdictions?
- Potential speakers representing:
 - IEEE 802.1, IEEE 802.3, IEEE 802.11 , IETF DETNET, policy makers

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.
- BDT momentum to reform WTDC into a more “Fit4Purpose” arrangement
 - i.e., change focus from administrative matters to a solutions-based approach to development matters.
- A “Fit4Purpose” agenda would include 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.
- There are a series of Regional Preparatory and Inter-regional Meetings
 - Proposing to find resources to finance regional projects

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

IEEE 802 summary

- There is an interest in ITU resolutions on “open networking”
- There are strategic opportunities for policy engagement and capacity building on IEEE 802 technologies at ITU conferences
 - Proposal for a Time-Sensitive Networking workshop or event has been submitted in the open consultation for WSIS 2022