



IEEE 802 EC ITU standing committee

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Mentor DCN: EC-24-0065-00-INTL

March meeting plan

- Wednesday, March 13th, 4-6 pm MT
 - Quartz AB – 3rd floor
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
 - ITU-R RA – November 2023
 - ITU Council working groups – January 2024
 - ITU-T TSAG – January 2024
- Review future meetings
 - ITU WSIS – May 2024
 - ITU Council – June 2024
 - ITU-T TSAG – August 2024
 - ITU-T WTSA 24 – October 2024
- Discussion of adoption by ITU-T

Role of the ITU standing committee

ITU SC Objective / Scope

- 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)

LMSC P&P section 5.6, item #2

<https://ieee.box.com/v/PandP-LMSC>

- 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

- Membership
 - Any 802 participant can attend and there are no members
 - Policy on reciprocal attendance rights for 802 WGs is per home WG
- Voting
 - The ITU SC works by consensus (as determined by the chair)
 - Any voting or approvals is done by the EC
- Preparation for upcoming ITU events for IEEE 802 & IEEE
 - Summarize issues to be discussed per ITU event
 - Review proposed positions/contributions, if any
 - IEEE-SA staff or volunteers may propose
 - Formalize volunteer engagement in ITU events
 - Hold conference calls as needed between plenaries

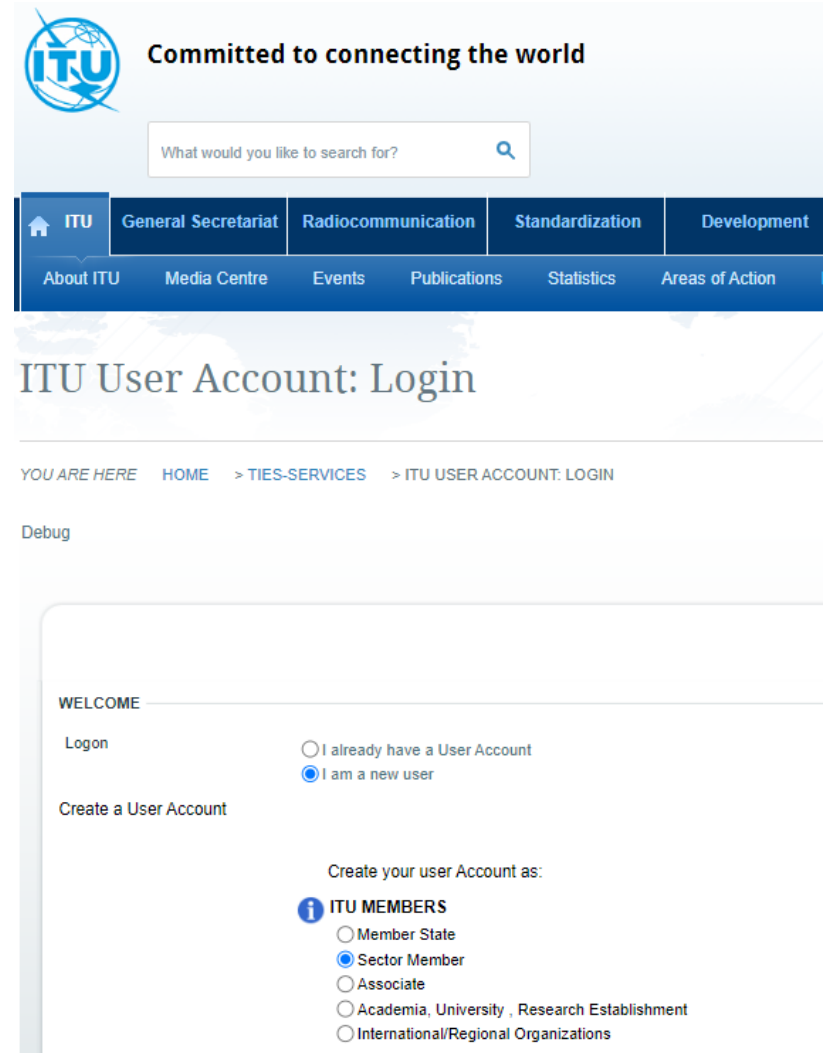
IEEE membership in ITU

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>



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WELCOME

Logon

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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

2024 Status

- Ad hoc on IEEE's Relationship to International SDOs
- 2023 Scope:
 - The committee provides strategic guidance, including competitive intelligence, to the IEEE SA Board of Governors (BOG) with respect to the interactions between IEEE SA and IEC, ISO, ITU, and regional Standards Development Organizations.
- 2023 Membership
 - Chair – David Law
 - Glenn Parsons and others
- Progress
 - Reviewing SDO activities

Recent ITU conferences

ITU-R RA



- Radiocommunication Assembly 2023
 - 13 to 17 November 2023, immediately preceding WRC-23.
- Guidance
 - duties and functions - Article 13 of the [Constitution](#) and Article 8 of the [Convention](#)
 - working methods - § A1.2 of [Resolution ITU-R 1-8](#).
- Structure
 - COM 1 – Steering Committee
 - COM 2 – Budget control
 - COM 3 – Editorial Committee
 - COM 4 – Structure and work programme of the Study Groups
 - COM 5 – Working methods of the RA and SGs

ITU-R RA

- Role of the Assemblies:
 - assign conference preparatory work and other questions to the [Study Groups](#);
 - respond to other requests from ITU conferences;
 - suggest suitable topics for the agenda of future WRCs;
 - approve and issue [ITU-R Recommendations](#) and [ITU-R Questions](#) developed by the Study Groups;
 - set the programme for Study Groups, and appoint chairs.

ITU-R RA notable outcomes

- New chairs appointed for Study Groups
- Recommendation [M.2160](#) “Framework and overall objectives of the future development of IMT for 2030 and beyond” as Rec M.[2160].
- [Resolution 56](#) “Naming for International Mobile Telecommunications” that defines the IMT technologies and now also contains the name IMT-2030 in addition to IMT-2000, IMT-Advanced and IMT-2020.
- [Resolution 65](#) “Principles for the process of future development of IMT-2020 and IMT-2030” that describes the ITU process for incorporating 3GPP specification & standards into the Recommendations for IMT radio interface technologies. The technology process remains separate from the ITU Radio Regulations.

ITU Council 2023-2026

- **The Americas** (9 seats) – Argentina; Bahamas; Brazil; Canada; Cuba; El Salvador; Mexico; Paraguay; United States
- **Western Europe** (8 seats) – France; Germany; Italy; Spain; Sweden; Switzerland; Türkiye; United Kingdom
- **Eastern Europe and Northern Asia** (5 seats) – Azerbaijan; Bulgaria; Czech Republic; Poland; Romania;
- **Africa** (13 seats) – Algeria; Egypt; Ghana; Kenya; Mauritius; Morocco; Nigeria; Rwanda; Senegal; South Africa; Tanzania; Tunisia; Uganda
- **Asia and Australasia** (13 seats) – Australia; Bahrain; China; India; Indonesia; Japan; Korea (Rep. of); Kuwait; Malaysia; Philippines; Saudi Arabia; Thailand; United Arab Emirates

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 - July 2023

- Key issues
 - Financial Resource Management
 - Biennial budget approved – but there will be pressure to raise dues
 - Multiple new building options – fall back, status quo, rework –> defer
 - Members solicited to host ~60 Study Group meetings during the building period of ~4 years
 - Resolution 167 on remote participation
 - remote decision-making is too complex from a legal and practical perspective, but remote meeting support will be strengthened
- Council WG kick-off with chair appointments
 - Languages – Kenya, Internet – Poland, Finance – US, ITR – Egypt, WSIS/SDG – South Africa, WTPF – Canada, Strategy – Saudi Arabia
 - CWG-LANG is not studying the inclusive languages issue
 - More likely that SCV will review and provide guidance

ITU Council WG - January 2024

- Council Working Group on Financial and Human Resources
 - ITU Premises Building Project
 - Option 1 - continue with the current project – request extra CHF 57 million loan from Swiss government
 - Option 2 – redesign to meet the budget of [Decision 619](#) – CHF 170 million
 - Next steps
 - ITU staff supports option 2 and will provide alternative project details
 - Swiss government consultation on increased ITU loan and support for CICG/Palexpo conference venues
- Decision at Council – June 2024

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 – January 2024
 - TSAG has organized into two working parties, multiple rapporteur and coordination Groups
 - Working methods
 - Work Programme (including industry engagement)

TSAG Plenary

Chairman: Mr Abdurahman AL HASSAN

10 TSAG Vice Chairmen

Working Party 1

Working Methods and related WTSA preparations (WP-WMW)

Chairman: Mr Tobias KAUFMANN

Vice Chairman: Ms Minah LEE

Working Party 2

Industry Engagement, Work Programme, Restructuring (WP-IEWPR)

Chairman: Ms Gaëlle MARTIN-COCHER

Vice Chairman: Mr Guy-Michel KOUAKOU

Rapporteur SOP

Strategic & Operational Plan

Rapporteur: Mr Víctor MARTÍNEZ VANEGAS

Rapporteur Group

Working Methods (RG-WM)

Rapporteur: Mr Olivier DUBUISSON

Associate Rapporteur on e-meetings: Mr Phil RUSHTON

Rapporteur Group

Work Programme and Restructuring, SG work, SG Coordination (RG-WPR)

Rapporteur: Ms Miho NAGANUMA

Associate Rapporteur on restructuring: Mr Greg RATTA

JCA-AHF

Accessibility, Human Factors

Chairman: Ms Andrea SAKS

JCA-DCC

Digital COVID Certificate

Chairman: Mr Heung-Youl YOUM

Rapporteur Group

WTSA Preparations (RG-WTSA)

Rapporteur: Ms Fang LI

Associate Rapporteur on WTSA Guidelines: Mr Isaac BOATENG

Associate Rapporteur on Streamlining Resolutions: Mr Evgeny TONKIKH

Rapporteur Group Industry Engagement, Metrics (RG-IEM)

Rapporteur: Mr Glenn PARSONS

Associate Rapporteur on emerging technologies: Mr Arnaud TADDEI

Associate Rapporteur on metrics: Mr Noah LUO

Coordination, Representatives

Representatives to IEC-ISO-ITU-T SPCG: Ms Miho NAGANUMA, Mr Per FRÖJDH, Mr Ajit JILLAVENKATESA, Mr Olivier DUBUISSON, Mr Zhicheng QU

ISCG and Inter-Sector Coordination: Mr Abdurahman AL HASSAN, Mr Dominique WÜRGES, Mr Noah LUO

Coordination with the CITS: Mr Paul NAJARIAN

Liaison Officer to IETF: Mr Scott MANSFIELD

Coordination, Representatives

Liaison Officer to ISO/IEC JTC1: Mr Shigeru MIYAKE

Liaison Officer to IEC/SMB/SG12: Mr Olivier DUBUISSON

Key outcomes include

- SG restructuring (targeting WTSA-24 - October 2024 in Delhi)
 - Organizational Reform (Res 99)
 - Overlap of Study Groups identified
 - Merge of SG9 and SG16 agreed
 - Digital Transformation RG (exploring proposing a new SG)
- Industry engagement
 - CxO meeting (per Res 68) - [December 5](#)
 - Hot topics included optics, NTN, quantum, ...
 - Industry engagement workshop [on April 19](#)
- Working methods
 - proposed changes for A.1 remain controversial
 - A.8 AAP revision approved
 - A.4 and A.6 for ITU recognition of other/regional SDOs is withdrawn leaving only A.5/A.25 referencing of other SDO standards
 - Inclusive language guidance, including using “chair”, deferred to Council

Future ITU conferences

Virtual WSIS+20 Forum 2024



- 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
 - High level event in person [27-31 May, 2024](#)
- Open Consultation process
 - Themes, Topics, Speakers, Workshops, Exhibits
 - IEEE SA is a Specific Activity Partner
 - Includes thematic workshop, HL policy session, HL track facilitator
 - Topic focused on climate change, child online protection, AI ethics
 - Previous IEEE 802 topic – Time-Sensitive Networking in 2022

ITU-T WTSA-24



ITUWTSA
NEW DELHI 2024

- **World Telecommunication Standardization Assembly**
 - non-binding, non-treaty
 - usually held every four years WTSA-24 will take place in 15-24 October 2024
 - leadership appointment for Study Groups
 - organized in committees to define the next period of study for ITU-T, two substantive :
 - Working Methods, which will discuss 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 will address, in addition to other issues like question definition, the establishment of a framework for SG restructuring at WTSA-24.
- **Global Standards Symposium**
 - Leader forum of SDOs (usually including IEEE) immediately preceding
- **India Mobile Congress**
 - Concurrent in same venue

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

Adoption of IEEE 802 standards by ITU-T

“Adoption” at ITU-T

- Options for “adoption” -- ordered from simplest to most complex :
 - A.5 referencing
 - example - <https://www.itu.int/rec/T-REC-Z.161-202210-I>
 - A.25 incorporation
 - example - <https://www.itu.int/rec/T-REC-Y.4500.1-201801-I>
 - A.23 twinned (with ISO/IEC JTC1)
 - example - <https://www.itu.int/rec/T-REC-H.265-202108-S>
 - Dual logo
 - no process or example
- Process
 - contribution from a member (e.g., IEEE is a member) to a Study Group proposing the adoption as a new work item
 - The level of support to initiate the proposal varies (from 2-4 sector members or administrations) by study group.
 - Approval of the NWI is by consensus.
 - “Balloting” is using A.8 alternative approval procedure (similar to SA ballot)

802.3 adoption

- Proposal for ITU-T Adoption of IEEE Std 802.3
 - Rationale
 - Evolution of long-standing cooperation between 802 and SG15
 - Simplification of process in ITU-T to reference 802.3
 - Parallel to ISO/IEC JTC 1/SC 6 adoption under ISO/IEEE PSDO agreement
 - Continue to pursue ISO/IEC JTC 1/SC 6 adoption as we have in the past
 - Would result in “ITU-T Recommendation Y.nnn Standard for Ethernet”
 - [ITU-T A.5](#) Generic procedures for including references to documents of other organizations in ITU-T Recommendations
 - Incorporation of IEEE Std 802.3 by reference in whole
 - Potential contributions for July SG15 meeting
 - [ITU-T A.1](#) template for new work item (NWI) - source IEEE
 - Four or more supports needed in SG15, these can be added after submission of contribution.
 - Draft of Y.nnn Standard for Ethernet – source IEEE
 - Liaison describing support – source IEEE 802.3 WG

ITU-T A.1 Annex A - template

Question:	/	Proposed new ITU-T Recommendation	<Meeting date>	
Reference and title:	Recommendation ITU-T <X.xxx> "Title"			
Base text:	<C nnn> or <TD nnnn>		Timing:	<Month-Year>
Editor(s):	<Name, membership, e-mail address>		Approval process:	<AAP or TAP>
Scope (defines the intent or object of the Recommendation and the aspects covered, thereby indicating the limits of its applicability):				
Summary (provides a brief overview of the purpose and contents of the Recommendation, thus permitting readers to judge its usefulness for their work):				
Relations to ITU-T Recommendations or to other standards (approved or under development):				
Liaisons with other study groups or with other standards bodies:				
Supporting members that are committing to contributing actively to the work item: <Member States, Sector Members, Associates, Academia>				

Timeline

- Prepare NWI contribution
 - Examples from last SG15 – [SDM](#) , [ISCON](#)
- 802.3 approval – May 17
- EC approval
 - May 7 preview
 - 5 day EC approval or June 4
- IEEE SA approval
- Submission – June 18
- Presentation – likely week of July 1st
 - IEEE staff and technical expert (registered as IEEE)

IEEE 802 summary

- WSIS is a useful opportunity for policy engagement, capacity building and public visibility on IEEE 802 technologies at ITU
 - Time-Sensitive Networking workshop held at WSIS 2022
 - Opportunity for WSIS 2024
- Given ITU new building project, opportunity for IEEE 802 to host or sponsor ITU-T SG15 at future plenary
 - Joint workshop - July 2024 in Montreal
 - Meeting and/or joint workshop - July 2026 in Montreal
- Provided guidance to 802.3 WG on ITU-T adoption process
 - 802.3 drafting ad hoc for contributions to SG15
 - EC preview of ITU-T contributions on May 7