IEEE 802 LMSC
ITU standing committee

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March 12, 2025

March meeting plan

- Wednesday, March 12th, 4-6 pm ET
  - 205/206 – Level 2
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
  - ITU Council WG – February 2025
- Review future meetings
  - ITU-T TSAG – May 2025
  - ITU Council– June 2025
  - ITU WSIS – July 2025
  - ITU-D WTDC – November 2025
- Collaboration with ITU-T
  - Incorporation by Reference of IEEE 802 standards
  - Hosting ITU-T SG15 in July 2026
- Discussion

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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 Standards Committee (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 LMSC

- Preparation for upcoming ITU events for IEEE 802 & IEEE
  - Summarize issues to de discussed per ITU event
  - Review proposed positions/contributions, if any
    - IEEE-SA staff or volunteers may propose
  - Formalize volunteer engagement in ITU events
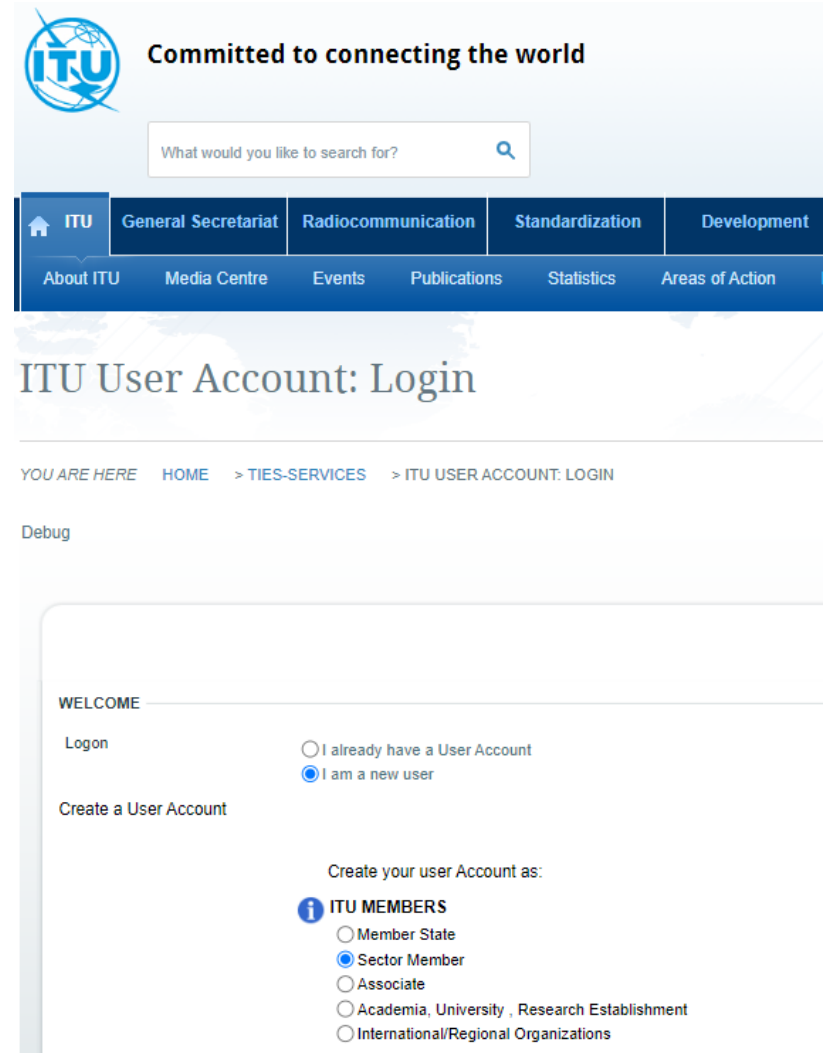 - Hold conference calls as needed between plenaries

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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 by TSAG as
  - ITU-T A.5 - Making reference to documents from other organizations.
  - It was also qualified under the now withdrawn
    - ITU-T A.6 - Cooperation and exchange of information with national and regional SDOs

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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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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

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Contact

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IEEE-SA BOG International SDO ad hoc

2024 Status

- Ad hoc on IEEE's Relationship to International SDOs
- 2024 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.
- 2024 Membership
  - Chair – David Law
  - Glenn Parsons and others
- 2025?
  - There is no ad hoc

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Recent ITU conferences

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Future ITU conferences

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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.
- Meets yearly, with two additional working group clusters in between

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ITU Council – June 2025

- Council Working Groups, Expert Groups – February 2025
- Key issues
  - draft Strategic and Financial Plans for 2028-2031
    - Report of consultation
  - Preliminary Amount of the Contributory Unit
    - Increase expected, as well as another review of waivers
  - EG on Decision 482
    - Cost recovery on satellite registrations
  - Remote participation
    - Draft guideline developed by correspondence in line with PP Res 167.
    - But … remote decision-making is too complex from a legal and practical perspective
  - CWG-LANG is not studying the inclusive languages issue
    - More likely that SCV will review and provide guidance
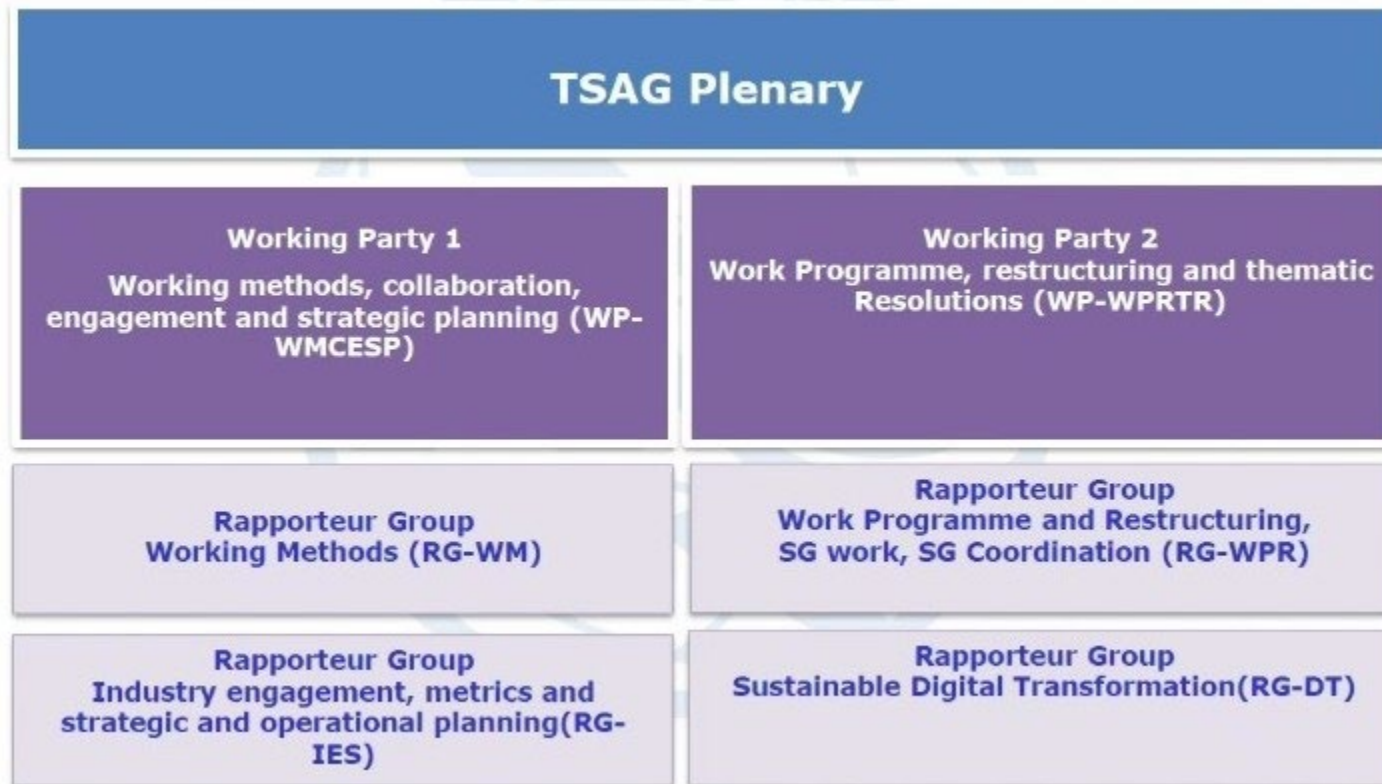
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ITU Council – cont'd

▫ Alternative reassessed project for ITU's headquarters premises
  - Decision 640 confirmed redesign to meet the budget CHF 170 million
  - New building will replace only Varembé
    - 15000 sqm with large conference, cafeteria, lounge and ~20 meeting rooms
▫ Next steps
  - Swiss government agreement on ITU loan and support for CICG/Palexpo conference venues during construction

Alternative Reassessed Project Milestones to be adhered to by the Secretariat	
Decision consultation process	Q3-2024
Planning	2024-2025
Architect prequalification	Q4-2024
Architect selection	Q1-2025
Feasibility studies	Q2-2025
Concept design	Q4-2025
Detail Design / Tender / Contract	2026-2027
Execution	2028-2031
Handover	2031

Telecommunication Standardization Advisory Group (TSAG)

- Next meeting – May 2025
- 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
- TSAG has organized into two working parties, multiple rapporteur and coordination Groups
  - Working methods
  - Work Programme (including industry engagement)

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Proposed TSAG structure

TSAG Plenary

Working Party 1 Working methods, collaboration, engagement and strategic planning (WP-WMCESP)	Working Party 2 Work Programme, restructuring and thematic Resolutions (WP-WPRTR)
Rapporteur Group Working Methods (RG-WM)	Rapporteur Group Work Programme and Restructuring, SG work, SG Coordination (RG-WPR)
Rapporteur Group Industry engagement, metrics and strategic and operational planning(RG-IES)	Rapporteur Group Sustainable Digital Transformation(RG-DT)

Key topics include

- Leadership of working parties and rapporteur groups
- Industry engagement
  - Regular workshop planning as a result of Resolution 68 update
- Working methods
  - proposed changes for A.1 (e.g., on support required for new work) remain controversial

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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

WSIS+20 Forum 2025

- 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 7-11 July, 2025
- 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

WSIS+20 next steps

- Council endorsed the ongoing WSIS Forum as a global platform facilitating the implementation of WSIS Action Lines as a complement to the UN Sustainable Development Goals.
- ITU remains committed to the WSIS multi-stakeholder community for the upcoming WSIS+20 Review and beyond.
  - promoting inclusive international cooperation to drive sustainable digital development for all.
  - WSIS Stocktaking Database and annual WSIS Prizes contest.

ITU-D WTDC

- World Telecommunication Development Conference (WTDC) considers topics, projects and programmes relevant to telecommunication development.

- WTDC-25 will take place in Baku, Republic of Azerbaijan from 17 to 28 November 2025

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Incorporation by Reference (IBR) of IEEE 802 standards by ITU-T

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IBR at ITU-T

- Options for adoption/IBR -- 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. In SG15 it is 4
  - Approval of the NWI is by consensus.
  - "Balloting" is using A.8 alternative approval procedure (similar to SA ballot)

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802.3 adoption

- ITU-T SG15 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 G.eth 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 and its amendments by reference
  - ▫ Contributions for July 2024 SG15 meeting
    - ITU-T A.1 template for new work item (NWI) - source IEEE
    - Draft of Y.nnn Standard for Ethernet – source IEEE
    - Liaison describing support – source IEEE 802.3 WG

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Timeline

- NWI contribution
  - ▫ 802.3 approval – May 17, EC approval - June 4, IEEE SA approval - June
  - ▫ Submission – ITU-T SG15 C906
- Approval of NWI
  - ▫ Assigned to Q10, confirmation liaison to 802.3 – July 12
  - ▫ Liaison LS136 to LMSC indicating SG15 adoption scope includes all IEEE 802
    - • Reply posted as LS3
- Development
  - ▫ Draft G.eth – TD66
  - ▫ Contributions C250 & C364 (on referencing conventions) at March 2025 SG15 plenary
  - ▫ Initiate liaison from March 2025 IEEE 802 plenary, if necessary
- Consent
  - ▫ March 28, 2025
  - ▫ AAP possible for April 1
- Approval
  - ▫ May 2025 if no comments
  - ▫ Later depending on number of additional rounds, latest at October 2025 plenary

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Next steps

- Maintenance
  - Contribution required for current and future new work items
  - Is liaison sufficient or are contributions required for updates to in-force Recommendations?
- Future adoption in ITU-T SG15
  - July 2025 – potentially propose adoption of 802.1Q (as it is also referenced in multiple ITU-T Recs)
  - July 2025 – provide update to set of 802.3 amendments for G.eth
    - E.g., corrigenda

Hosting of ITU-T SG15 plenary

IEEE 802 LMSC – July 2024

- Given ITU new building project, opportunity for IEEE 802 to host or sponsor ITU-T SG15 at future plenary
  - Meeting and/or joint workshop
    - July 2026 in Montreal, or November 2026 in Bangkok next appropriate time
  - Staff request – given the collaboration and standards development coordination with ITU-T SG15, confirm that IEEE 802 can host or sponsor an ITU-T SG15 plenary

  - Staff response - Sponsorship of the ITU-T SG 15 meeting is permissible in this specific instance, if approved by vote of the IEEE 802 community.

ITU-T SG15 & IEEE 802

- There has been a cordial liaison relationship and mutual participation for decades
- IEEE 802 plenary was hosted in Geneva by ITU in July 2013
  - There was no registration fee and no network fee
  - Facility was ITU HQ building and adjacent CICG convention centre
  - The session was followed by an ITU-T SG15 plenary
- 802.1 & 802.3 interims have been hosted as well
  - May 2007, May 2010, January 2018 and January 2020
- A joint workshop between SG15 and 802 was held on the weekend
  - This event that has been repeated with the ninth edition in July 2024

ITU new building project

- ITU buildings will be closed for hosting meetings from mid-2026 until at least 2028.
  - Revised project to demolish the oldest building (Varembé) and replace
  - Tower will be replaced in a subsequent project to be initiated in the 2030s
- New building opening in early 2031
  - Hosts are invited for all ITU meetings during construction
  - Final approval expected at June 2025 Council

- Given good relationship with ITU-T SG15, the ITU hosting of IEEE 802 sessions, and the alignment of sessions in 2026, IEEE 802 should consider hosting ITU-T SG15 in conjunction with our July 2026 session
  - Sheraton Montreal has space available, and this could be included in 802 contract amendment
  - Network & meeting planning provided by IEEE 802 service providers
  - Workshop hosted by IEEE 802

July 2026 - Le Sheraton Montreal

- ITU-T SG15 plenary
  - July 5 –10
  - Only one week due to hotel availability
- 10th Joint IEEE 802 and ITU-T Study Group 15 Workshop
  - July 11-12 (Saturday + Sunday morning)
- IEEE 802 plenary
  - July 13-17
- Budget approved (Nov 2024) not to exceed US$175,000

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Next steps

- Logistics planning
  - ▫ Face-to-Face leading
  - ▫ Additional bedrooms for previous week
  - ▫ Meeting room schedule and allocation
  - ▫ Social event
- Workshop planning
  - ▫ Co-organizers
  - ▫ Copyright permission for presentations
  - ▫ Programme
  - ▫ Speakers
- IEEE/ITU Leadership dinner

IEEE 802 LMSC summary

- Future IBR in ITU-T SG15
  - Preference to use liaisons for maintenance of G.eth
  - Advise to wait until approval of G.eth before 802.1 (or other 802 WG) propose a new recommendation with incorporation by reference
- July 2026 hosting of ITU-T SG15 before IEEE 802 plenary including workshop
  - Planning initiated for joint workshop