



IEEE 802 LMSC ITU standing committee

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Mentor DCN: EC-24-0176-00-INTL

July meeting plan

- Wednesday, July 17th, 4-6 pm ET
 - Lamartine – floor A (1st basement)
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
 - ITU Council– June 2024
 - ITU WSIS – May 2024
- Review future meetings
 - ITU-T TSAG – August 2024
 - ITU-T WTSA 24 – October 2024
- Collaboration with ITU-T
 - Joint workshop
- Discussion

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 LMSC
- 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

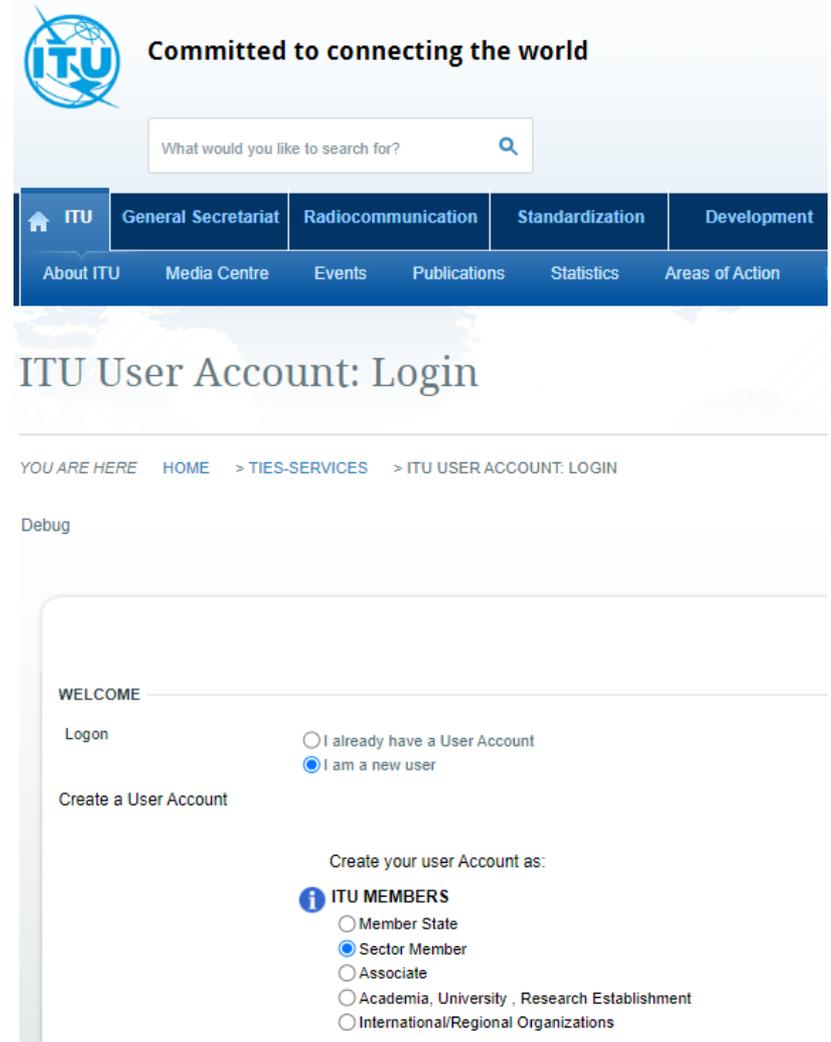
IEEE membership in ITU

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 by TSAG 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
- 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
- Progress
 - Reviewing SDO activities

Recent ITU conferences

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 - June 2024

- Key issues
 - Decision 500 abridgement
 - The term “chair” shall now be used in English
 - New resolution on rebuilding telecom infrastructure in Palestine
 - Reaffirmation on rebuilding telecom infrastructure in Ukraine
 - New CWG on elaboration of the draft Strategic and Financial Plans
 - Remote participation
 - Draft guideline will be developed by correspondence in line with PP Res 167.
 - But ... remote decision-making is too complex from a legal and practical perspective
- Council WG meet again in Sept
 - CWG-LANG is not studying the inclusive languages issue
 - More likely that SCV will review and provide guidance

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 Varembe
 - 15000 sqm with large conference, cafeteria, lounge and ~20 meeting rooms
- Next steps
 - Swiss government agreement on ITU loan and support for CIGG/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

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

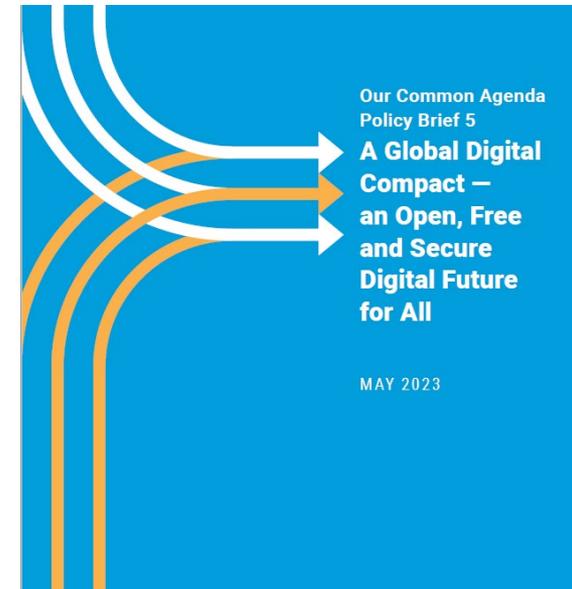


WSIS+20 next steps

- 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.

UN Global Digital Compact

- ITU will continue to engage in the Global Digital Compact (GDC) process.
 - The Global Digital Compact is expected to “outline shared principles for an open, free and secure digital future for all”.
- UN Summit of the Future – Sept 2024
 - convene world leaders to forge a new international consensus on delivering a better present and safeguarding the future.
 - outcome will be an action-oriented document known as the Pact for the Future, currently under negotiation among UN Member States.
- Standardization impacts



AI for Good

- AI innovators and problem owners learn, build and connect to help identify practical AI solutions to advance the United Nations Sustainable Development Goals.



- 2024 Summit
 - a key forum for global dialogue on artificial intelligence (AI)
 - AI for Good is organized by ITU in partnership with 40 UN Sister Agencies and co-convened with Switzerland.

Future 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
- In person – July 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)
 - Merge of SG9 and SG16 – update from joint management team
 - Digital Transformation RG (exploring proposing a new SG)
- Industry engagement
 - Industry engagement workshop held on April 19
 - Report and action plan updated
- Working methods
 - proposed changes for A.1 remain controversial
 - A.4 and A.6 for ITU recognition of other/regional SDOs withdrawal conclusion leaving only A.5/A.25 referencing of other SDO standards

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

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.
 - Political and thematic topics will also be in scope
- WTSA expectations
 - SGs will submit reports to the Assembly focused in large measure on information related to Resolution 2 (ITU-T SG mandate and responsibility)
 - SGs 9 & 16 expect to merge

WTSA side events

- Global Standards Symposium
 - Leader forum of SDOs (usually including IEEE) immediately preceding
 - The theme of GSS-24 is “Charting the Next Digital Wave: Emerging Technologies, Innovation, and International Standards”.
 - GSS-24 High-Level Segment for Ministers and CEOs
- Multiple additional events
 - WTSA-24 Expo, including Digital Wave Stage; Network of Women
 - Kaleidoscope academic conference
 - UN Day and World Standards Day
 - [Indian Mobile Congress](#)
 - AI for Good Impact India
 - Hackathon
 - ITU-WHO workshop on safe listening standards
 - Robotics for Youth competition

Joint IEEE 802 ITU-T SG15 workshop

Workshop Agenda

- **Session 1: Exploration of Optical PHYs Addressing 800 Gb/s and Beyond**
 - **Moderators:** John D'Ambrosia, Futurewei, IEEE P802.3dj Task Force Chair & Steve Gorshe, Microchip, ITU-T Q11/15 Rapporteur
- **Session 2: Access and In-Premises Networks**
 - **Moderators:** George Zimmerman, CME Consulting, IEEE P802.3dg Task Force Chair & Frank Effenberger, Futurewei, ITU-T Q2/15 Rapporteur
- **Session 3: Synchronization and TSN**
 - **Moderators:** János Farkas, Ericsson, IEEE 802.1 TSN Task Group Chair & Stefano Ruffini, Calnex, ITU-T Q13/15
- **Session 4: YANG and Data Modelling**
 - **Moderators:** Scott Mansfield, IEEE 802 YANGsters Chair, ITU-T Q14/15 Rapporteur, Ericsson
- Wrap-up, Takeaways, Closing
 - **Moderators:** James Gilb, Chair, IEEE 802 & Glenn Parsons, Chair, ITU-T SG15

Next steps

- Next joint workshop possibilities
 - July 2026 - Montreal
 - ITU-T SG15 plenary following IEEE 802 plenary with workshop in between
 - November 2026 - Bangkok
 - ITU-T SG15 plenary preceding IEEE 802 plenary with workshop in between
 - March 2027 - Atlanta
 - ITU-T SG15 plenary preceding IEEE 802 plenary with workshop in between
 - November 2027 - Hawaii
 - ITU-T SG15 plenary preceding IEEE 802 plenary with workshop in between
 - July 2028 - Montreal
 - ITU-T SG15 plenary preceding IEEE 802 plenary with workshop in between
- Workshop as part of IEEE conference (like GlobeCom)?
- Workshop as part of trade show (like OFC)?

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

- 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 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 and its amendments by reference
 - Contributions for July 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

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
- **Development**
 - Discussion with TSB on formatting
 - Contributions possible at March 2025 plenary
- **Consent**
 - March 2025
- **Approval**
 - May 2025 if no comments
 - Later depending on number of additional rounds
 - Latest at October 2025 plenary

IEEE 802 summary

- Global Digital Compact (GDC)
 - Staff request - given potential impact of GDC to standardization, recommend that IEEE SA explore GDC engagement
- Liaison response to ITU-T SG15
 - LMSC action to approve outgoing liaison to ITU-T SG15
 - Acknowledge [LS136](#), appreciation for joint workshop, inquiry on other potential joint events (at conferences or trade shows)
- Future adoption in ITU-T SG15
 - Advise to wait until approval of G.eth before 802.1 (or other 802 WG) propose adoption by reference
- 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