



IEEE 802 LMSC ITU standing committee

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Mentor DCN: EC-24-0260-00-INTL

November meeting plan

- Wednesday, July 17th, 4-6 pm ET
 - Turner – 4th floor
- Update on IEEE-SA BOG activities with ITU
- Review outcome of past meetings
 - ITU-T TSAG – August 2024
 - UN GDC / Summit of the Future – September 2024
 - ITU Council WG – October 2024
 - ITU-T WTSA 24 – October 2024
- Review future meetings
 - ITU Council– June 2025
 - ITU WSIS – July 2025
 - ITU-D WTDC – November 2025
- Collaboration with ITU-T
 - Adoption of IEEE 802 standards
 - Hosting ITU-T SG15
- 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

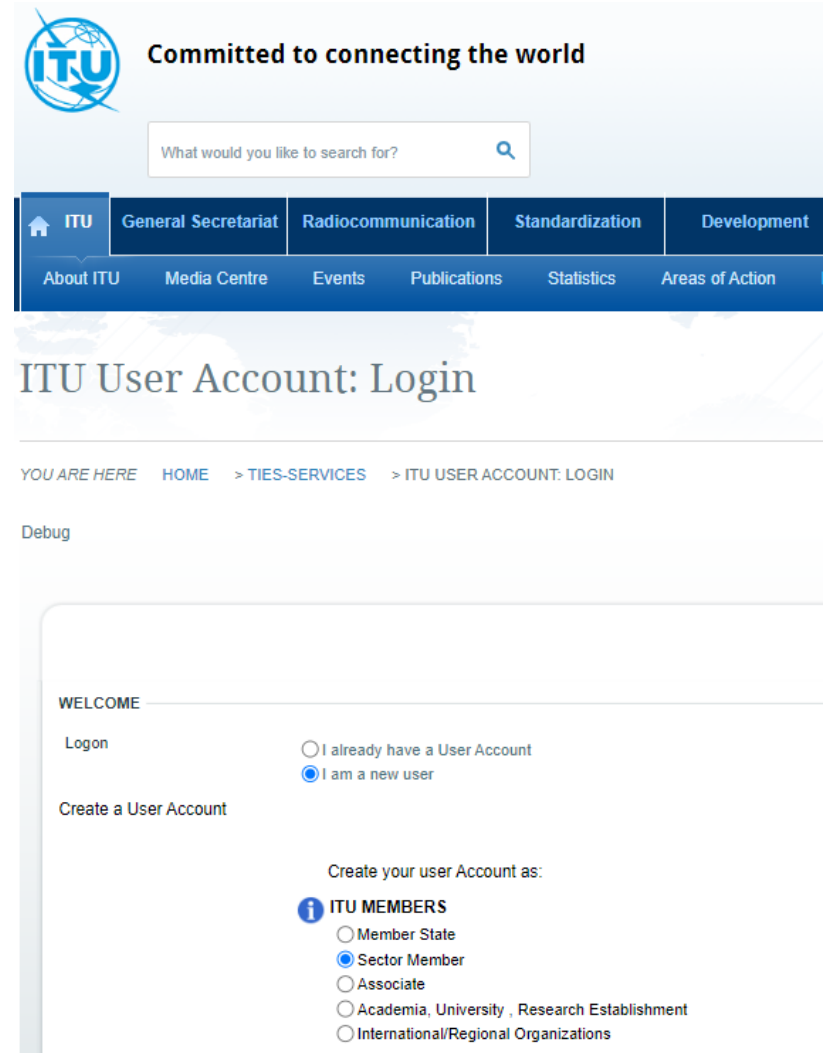
IEEE membership in ITU

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.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

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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ITU MEMBERS

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 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

Karen McCabe

Senior Director, Technology Policy

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IEEE-SA BOG International SDO ad hoc

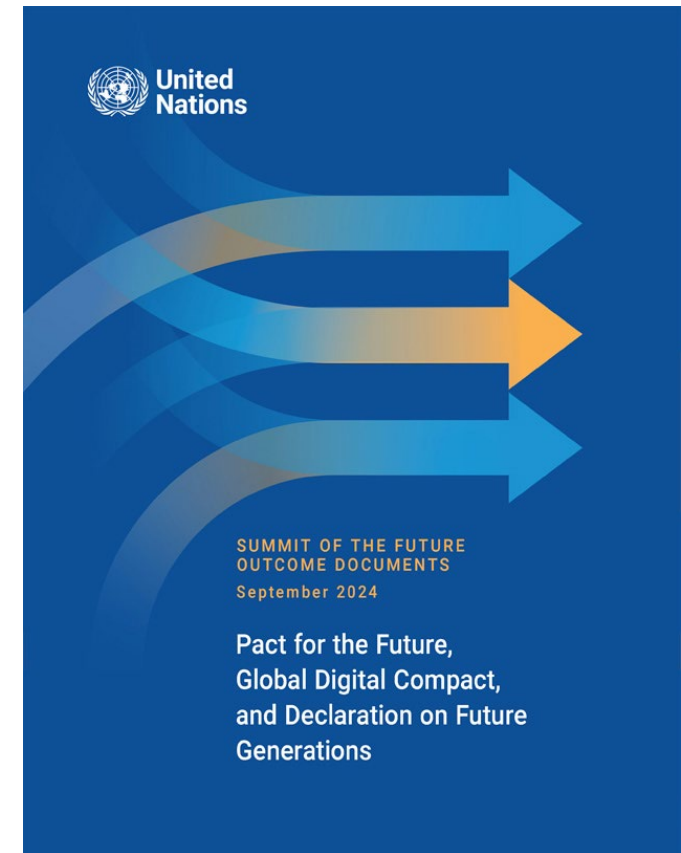
2024 Status

- 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

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.
 - ITU will support the implementation, similar to WSIS
- Standardization impacts
 - We commit by, 2030, to:
 - (a) Develop, disseminate and maintain, through multi-stakeholder cooperation, safe and secure open-source software, open data, open artificial intelligence models and **open standards** that benefit society as a whole (SDGs 8, 9 and 10);
 - (b) Promote the adoption of **open standards** and interoperability to facilitate the use of digital public goods across different platforms and systems (all SDGs);



IEEE SA aspects

- Staff request - given potential impact of GDC to standardization, recommend that IEEE SA explore GDC engagement
 - Discussion with Karen McCabe pending

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
 - Resolution 68 modification proposed
- Working methods
 - proposed changes for A.1 (e.g., on support required for new work) remain controversial and there is no consensus yet
 - Propose no change at WTSA for A-series

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



ITU WTSA
NEW DELHI 2024

- World Telecommunication Standardization Assembly
 - non-binding, non-treaty
 - usually held every four years WTSA-24 took place in 15-24 October 2024
 - First time in Asia hosted by India
 - leadership appointment for Study Groups
 - organized in committees to define the next period of study for ITU-T, two substantive :
 - COM3 - 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
 - COM4 - Work Programme and Structure, which will decide on a set of study groups in addition to question definition
 - Political and thematic topics will also be in scope



ITU-T WTSA-24



ITUWTSA
NEW DELHI 2024

- COM4 - ITU-T work programme and organization
 - Resolution 2
 - Consolidation of SG9+16 into SG21
 - Description, lead study groups, points of guidance and question text
 - Updated description for all but two Study Groups (3 & 15)
 - One question (on network trust in SG13) was not approved
 - Joint collaboration – SG 17+ 20 on IoT security, SG 13, 17 + 20 on trust, SG2 + 2- on IoT identification
 - AI resolution – apply AI to ICTs
 - Sustainable Digital transformation & Digital public infrastructure resolutions
 - Metaverse resolution – interoperability
 - Vehicular communications resolution
 - V2X & ITS ecosystem, collaborate with SDOs (IEEE, ETSI, 3GPP, IETF, ...)
 - Digital identity and PQC in SG17

ITU-T WTSA-24



ITUWTSA
NEW DELHI2024

- COM 3 - Working Methods of ITU-T
 - No change to A.1 or Resolution 1
 - Minor informative addition on marks in A.25
 - Resolution 68 – industry engagement
 - Significant update recognizing industry, creating a working workshop and expanded CTO meetings
 - No change in Resolution 90 – open source
 - Survey use of open source, and develop training
 - New resolutions on – engaging next generation & strategic planning
 - Training and encouragement
 - Provide ITU-T input into Council and drive results-based management
 - Resolution 7 – ISO/IEC – formalize SPCG
 - Resolution 22 – TSAG
 - Monitor chair/vice-chair attendance, reports 30 days in advance
 - Resolution 32 – EWM
 - Real-time webcast for all meetings, mobile friendly web site
 - No agreement to support remote decision making
 - Resolution 74 – sector members from developing countries
 - Resolution 99 - restructuring

WTSA side events

- Global Standards Symposium
 - “Charting the Next Digital Wave: Emerging Technologies, Innovation, and International Standards”.
 - World Standards Day – ITU/ISO/IEC
 - GSS-24 High-Level Segment for Ministers and CEOs
 - AI Standards summit – with ISO, IEC, IETF, IEEE SA, ETSI, TSDSI, ICANN
- Multiple additional events
 - WTSA-24 Expo, including Digital Wave Stage
 - Network of Women
 - Kaleidoscope academic conference
 - Indian Mobile Congress
 - AI for Good Impact India, Hackathon, Robotics for Youth competition, and more



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

ITU Council - February 2025

- Council Working Groups, Expert Groups
- Key issues
 - draft Strategic and Financial Plans for 2028-2031
 - Consultation underway [online](#) until Dec 2
 - 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

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 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

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. In SG15 it is 4
 - 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 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

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](#) sent (not posted yet)
- Development
 - Discussion with TSB on formatting
 - Contributions possible 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

Next steps

- Future adoption in ITU-T SG15
 - July 2025 – potentially propose adoption of 802.1Q (as it is also referenced in multiple ITU-T Recs)
 - November 2025 – provide update to set of 802.3 amendments for G.eth

Hosting of ITU-T SG15 plenary

IEEE 802 LMSC - July

- 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

Proposal

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

July 2026 budget

- Not to exceed US\$175,000
- Note July 2024 budget (for 2 weeks without workshop) was US\$250k

Proposed Motion

- Approve hosting of ITU-T SG15 July 2026 Plenary Session adjacent to IEEE 802 plenary including the hosting of a joint workshop, with cost not to exceed US\$175,000
- Proposed: David Law
- Second: Robert Stacey

IEEE 802 LMSC summary

- Global Digital Compact (GDC)
 - Action to discuss with IEEE SA staff - given potential impact of GDC to standardization, recommend that IEEE SA explore GDC engagement
- 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
 - Proposal for hosting meeting and joint workshop in July 2026