Highlights of SG5 meeting results
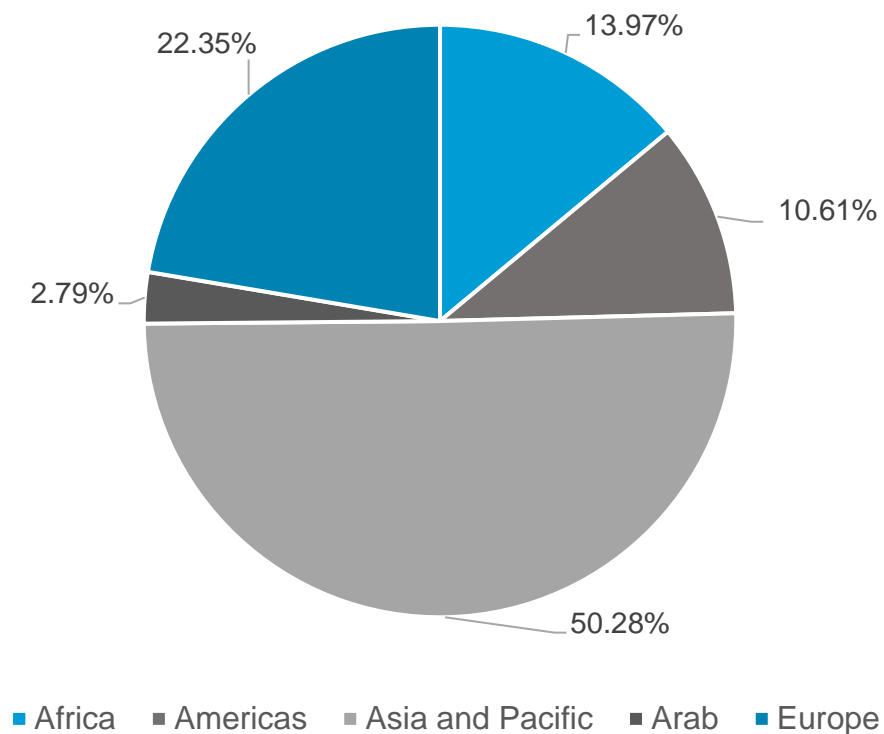
Geneva, 13 – 22 November 2023
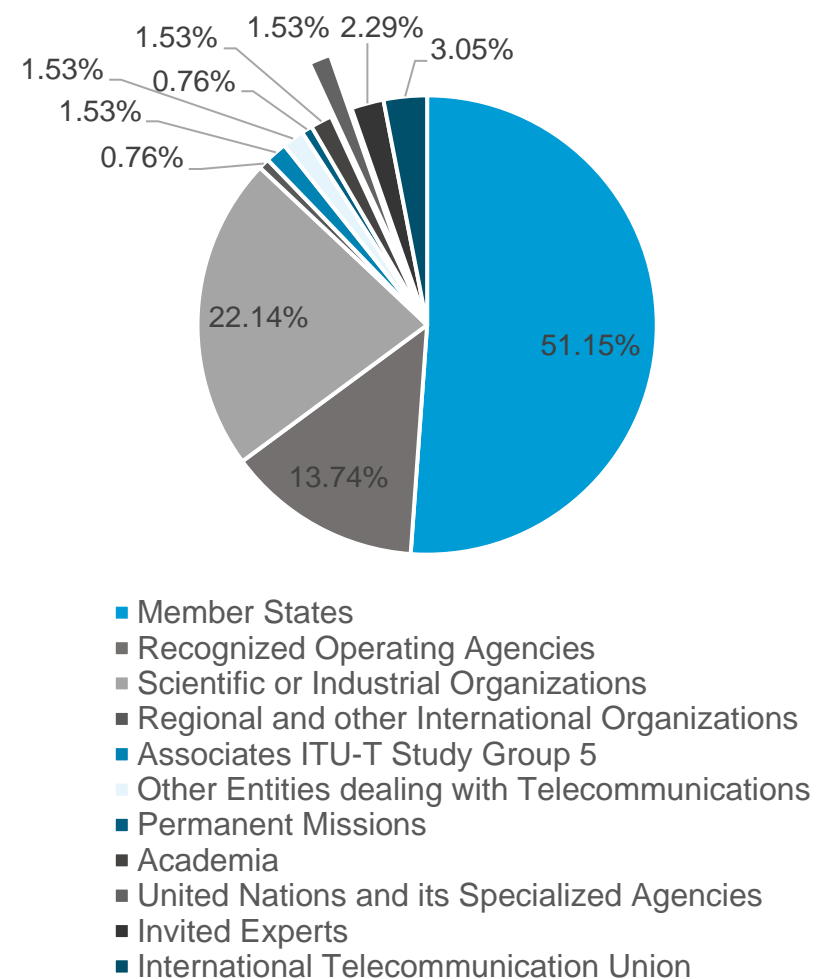
General Information

- **Dates**: 13 – 22 November 2023 in Geneva.

- The **Newcomer session** took place on 14 November 2023

- **Statistics and outcomes**:

  - **Participants**: 201 (TDR1060-R2)

  - **Contributions**: 128 (131 were received but 3 were withdrawn)

  - **TDs** (not counting the revisions): 309

  - **Incoming/ outgoing liaison statements**: **49** incoming liaison statements and 23 outgoing liaison statements (TDR1035-R6)

  - **Consented Recommendations**: **11** (of which 6 are revised Recommendations)

  - **Other texts agreed**: **2** at this meeting

  - **Agreed Questionnaire: 1** at this meeting

  - **New work items**: **27** at this meeting

Participants by Region

Africa — 13.97%
Americas — 10.61%
Asia and Pacific — 50.28%
Arab — 2.79%
Europe — 22.35%

Participants by Sector

- Member States — 51.15%
- Recognized Operating Agencies — 13.74%
- Scientific or Industrial Organizations — 22.14%
- Regional and other International Organizations
- Associates ITU-T Study Group 5
- Other Entities dealing with Telecommunications
- Permanent Missions
- Academia
- United Nations and its Specialized Agencies
- Invited Experts
- International Telecommunication Union

1.53%   1.53%   2.29%   3.05%
1.53%   0.76%
1.53%
0.76%

Main Discussions

- The objective of the SG5 meeting were to:

    - Progress on the work of the different Questions.

    - Consent Recommendations that were in a mature stage.

    - Agree documents that were in a mature stage.

    - Discuss the results of the Ad-hoc Group on SG5 WTSA-24 preparation and agree on a way forward.

Ad-hoc Group on SG5 WTSA-24 preparation

- The report of the progress report of the *Ad-hoc Group on SG5 WTSA-24 preparation* from August to November 2023 was approved and is contained in TD1135-R1.

- During the SG5 meeting the ad-hoc group held three meetings on 13, 17, and 21 November 2023. The report is contained in TD1286.

- Based on the discussions help it was agreed to continue with the work of the **Ad-hoc Group on SG5 WTSA-24 preparation** until the next SG5 meeting planned to take place from 17 to 21 June 2024.

Results by Working Party

	WP1/5 EMC, lightning protection, EMF	WP2/5 Environmental efficiency, e-waste, circularity and sustainable ICT networks	WP3/5 Climate change, adaptation, mitigation and net-zero emissions
Report	TD1040-R5	TD1045-R3	TD1050-R4
New Work Items	6	12	9
Consented Recommendations	5	3	3
Agreed Documents	1	1	1

Consented Recommendations

Revised Recommendations

ITU-T Rec. Number	Title	Question	TD
K.83	Monitoring of the electromagnetic field levels	Q3/5	TD1208-R1
K.91	Guidance for assessment, evaluation and monitoring of human exposure to radio frequency electromagnetic fields	Q3/5	TD1180-R1
K.37	Low and high frequency EMC mitigation techniques for telecommunication installations and systems – Basic EMC Recommendation	Q4/5	TD1170
K.38	Radiated emission test procedure for physically large systems	Q4/5	TD1171
L.1362	Power management capabilities of the future energy telecommunication fixed network nodes. Enhanced Interface for power management in Network Function Virtualization (NFV) environments	Q6/5	TD1167-R1
L.1031	Guideline for the development of an e-waste management system and achieving the e waste targets of the Connect 2030 Agenda	Q7/5	TD1216-R1

Consented Recommendations

New Recommendations

ITU-T Rec. Number	Work item or provisional name	Title	Question	TD
K.154	K.lp	Operating telecommunication facilities using lightning strikes data obtained from Lightning Location Systems	Q1/5	TD1146-R3
L.1307	L.EEMDC	Energy Efficiency in Micro Data Centre for Edge Computing	Q6/5	TD1213-R1
L.1640	L.DMA	Methodology for dynamic monitoring and analysis of greenhouse gas emissions in city	Q11/5	TD1244
L.1508	L.CAcoast	Framework for climate change adaptation in coastal cities using ICT and digital technologies	Q12/5	TD1139-R2
L.1391	L.5G_sharing	Specifications of 5G network sharing and co-construction adapting to climate change mitigation	Q12/5	TD1202-R2

Agreed Documents

Informative texts

Document	Work item or provisional name	Title	Question	TD
Implementer's guide to ITU-T K.44	K.44Imp (Revision)	Guide on the use of the overvoltage resistibility for Recommendations ITU-T K.20, K.21 and K.45	Q2/5	TD1182
L.Suppl.59 to ITU-T L.1700 series	L.suppl.1700	Low-cost sustainable telecommunication for rural communications in developing countries enabling SIP based voice calling on WLAN/Wi-Fi	Q12/5	TD1164-R3

Agreed Questionnaire

Title	Question	TD
Questionnaire on the best practices for implementing the circular economy	Q7/5	TD1237-R1

Approved New Work Items

ITU-T Rec. Number	Title	Question	TD
K.81	High-power electromagnetic immunity guide for telecommunication systems	Q1/5	TD1205-R1
K.87	Guide for the application of electromagnetic security requirements – Overview	Q1/5	TD1206-R1
K.117	Primary protector parameters for the surge protection of equipment Ethernet ports	Q2/5	TD1178
K.147	Protection of digital ports connected to balanced pairs of conductors	Q2/5	TD1179
K.supple_tov	Protection of ICT Equipment with DC Power Supply against Transient Overvoltage (TOV)	Q2/5	TD1181
K.emc_UWB	Electromagnetic compatibility requirements and test methods for Ultra Wide Band equipment	Q4/5	TD1240-R1
L.MM_Computing_power	Computing power efficiency matrix and measurement methodology	Q6/5	TD1198-R1

Approved New Work Items

ITU-T Rec. Number	Title	Question	TD
L.Cooling_DC	Guidelines on the selection of cooling technologies for data centres in multiple scenarios	Q6/5	TD1194-R1
L.1310rev	Energy efficiency metrics and measurement methods for telecommunication equipment	Q6/5	TD1197
L.1331rev	Assessment of mobile network energy efficiency	Q6/5	TD1169
L.TR_TA_GC	Testing and Assessment method of Green Computing Power	Q6/5	TD1148-R1
L.TR_CR_BS	Energy Efficiency Classification Criteria of Base Station Sites	Q6/5	TD1147-R2
L.TR_MS_DS	Measurement methods for energy consumption of the Domain Name System (DNS) in distributed data centres	Q6/5	TD1199-R1
L.EnvPerSmarphone	Method for environmental performance scoring of smartphones	Q7/5	TD1175

Approved New Work Items

ITU-T Rec. Number	Title	Question	TD
L.Env.TSPC	Resource saving, e-waste reduction and energy saving system methodology using twisted single pair cable	Q7/5	TD1196-R1
L.Env_DC	Guidelines on Multi-Dimensional Environmental Metrics and Management for Data Centres	Q9/5	TD1269-R1
L.CFSP	Guidelines for the assessment of the carbon footprint of Software Products	Q9/5	TD1250-R2
L.GHG emissions_PS	Guidelines for GHG emissions accounting in power systems	Q9/5	TD1268-R1
L.Suppl.Mobile_phone_LCA	Example of an LCA of a mobile phone fully compliant with L.1410	Q9/5	TD1260-R1
L.database countries	Criteria for the development and maintenance of databases on national ICT sector GHG emissions	Q9/5	TD1262-R1
L.database EF	Criteria for the development and maintenance of an ITU database on emission factors	Q9/5	TD1261-R2

Approved New Work Items

ITU-T Rec. Number	Title	Question	TD
ITU-T L.ITLB	Application practices of intelligent technology in lithium-ion battery management system for telecommunication rooms and data Centres	Q11/5	TD1227-R1
ITU-T L.HRES_PD	Hybrid Renewable Energy System for ICT Portable Devices	Q11/5	TD1219-R1
ITU-T L.1206	Impact on information and communication technology equipment architecture of multiple AC, −48 VDC or up to 400 VDC power inputs	Q11/5	TD1263-R1
L.circularCity KPIs	Key performance indicators in circular cities	Q13/5	TD1154-R1
L.Framework CcArchitectur	Architecture Development Framework for circular city	Q13/5	TD1153-R1
L.resBIMS	Resolution method for Building Infrastructure Management Systems (BIMS) in sustainable city	Q13/5	TD1174

ITU-T SG5 Regional Groups

- **ITU-T Regional Group for Asia and the Pacific (SG5RG-AP)**

ITU-T SG5 Regional Group for Asia and the Pacific (SG5RG-AP) met in Bangkok, Thailand, from 11–12 September 2023. The SG5RG-AP Chair presented the report as contained in TD1098. The SG5RG-AP Chair also presented TD1003 – Revised Terms of Reference of SG5RG-AP and requested approval of this revised ToR. No comments were raised, and the SG5RG-AP ToR was approved as contained in TD1098.

- **ITU-T Regional Group for Africa (SG5RG-AFR)**

Burkina Faso has confirmed its willingness to host the 2024 meeting of the ITU-T SG5 Regional Group for Africa. The Ministry of "Digital Transition, Post and Electronic Communications" officially communicated this intention in a letter to the Director of the Telecommunication Standardisation Bureau.

Dates of the next ITU-T SG5 meeting

- A **SG5 or WP3/5 virtual plenary** is planned to take place in **March 2024**. The purpose of this plenary will be to consent draft Recommendation ITU-T L.Database "Guidance for the creation of an ITU database on GHG emissions of the global ICT sector".

- The **next ITU-T SG5 meeting** is planned to be held from **17 to 21 June 2024 in Geneva, Switzerland**. Date and venue might change depending on invitations received.

Thank you!