|  |  |  |  |
| --- | --- | --- | --- |
| The International Teleocmmunication Union - Connecting the World. | **International telecommunication union**  **Telecommunication Standardization Bureau** | |  |
|  | | Geneva, 06 November 2024 | |
| **Ref:** | TSB Circular 1 | **To:**  - Administrations of Member States of the Union;  - ITU-T Sector Members;  - ITU-T Associates;  - ITU Academia  **Copy to:**  - The Chairs and Vice-Chairs of Study Groups;  - The Director of the Telecommunication Development Bureau;  - The Director of the Radiocommunication Bureau | |
| **Tel:** | +41 22 730 6311 |
| **Fax:** | +41 22 730 5853 |
| **E-mail:** | [tsbdoc@itu.int](mailto:tsbdoc@itu.int) |
| **Subject:** | **ITU-T Study Period 2025-2028**  **- WTSA-24 decisions and general information on ITU-T activities**  **- Option to automatically approve registration requests to meetings**  **- Registration to participate in the Alternative Approval Process (AAP)**  **- Request for contacts and addresses for the TSB database** | | |

Dear Sir/Madam,

1 The World Telecommunication Standardization Assembly (**WTSA-24**), which was held in New Delhi, India, 15-24 October 2024, updated the working methods of ITU-T and elected the new leadership teams for the ITU-T study groups for the 2025-2028 study period. The new, revised and unchanged WTSA Resolutions and ITU-T A-series Recommendations are listed in [**Annex 1**](#_ANNEX_1_WTSA-20), with the approved Actions in [**Annex 2**](#ANNEX_2). WTSA Resolutions/Opinions will be available in the near future for download, free of charge, from the [ITU-T website](https://www.itu.int/publ/T-RES/e) and the one revised ITU-T A-series Recommendation will be available shortly at the [ITU-T Recommendations webpage](https://www.itu.int/itu-t/recommendations/index.aspx?ser=A). The reports of the two substantive committees to plenary on their work are also available on the website at [Committee 3](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-WTSA.24-C-0107) and [Committee 4](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-WTSA.24-C-0114), respectively.

2 A list of the **ITU-T study groups** and other groups, as approved by WTSA‑24, can be found in [**Annex 3**](#ANNEX_3), and the names and affiliations of all chairs and vice-chairs appointed at WTSA-24 can be found in [**Annex 4**](#ANNEX_4). A detailed description of the area of responsibility of each study group, the list and text of the Questions allocated to it and other relevant information will be found shortly under the study group pages on the [ITU-T website](https://www.itu.int/en/ITU-T/studygroups/2025-2028/). The text of the Questions allocated to each study group for the 2025-2028 study period will be available in Contribution 1 of each study group as well as on the website of each study group. Please note that Study Groups 9 and 16 that existed in previous study periods have been consolidated to form the new Study Group 21 "Technologies for multimedia, content delivery and cable television". Associates of both former study groups will be automatically migrated to the Study Group 21 and, for seamless continuation of service, access to documentation and resources in previous study periods will also be preserved for the aforementioned Associates.

3 **Documents and other electronic resources** can be accessed from the ITU website using an ITU user account with TIES access rights. Representatives of ITU Member States, ITU-T Sector Members, ITU-T Associates and ITU Academic Institutions can request TIES access, if they do not have it already, by making a request from their [**ITU account**](https://user.itu.int/) user profile (note that this interface was upgraded earlier in 2024, and you may be requested to update your password if the profile page has not been accessed since). **TIES Focal Points** are responsible for approving or rejecting requests for TIES Access and maintaining the list of TIES Users. Guidance on howto undertake these functions, as well as on how to update names in the list, can be viewed on the ITU [TIES Services](https://www.itu.int/en/ties-services/Pages/default.aspx) webpage, under the "User Guides" and “Q&A” sections.

4 Participants at the meetings of ITU-T study groups, working parties and regional groups are required to complete an online registration request form that will be sent for approval to their organization's designated focal point (DFP). To this effect, DFPs will receive an e-mail notification to approve/reject each registration request. Please see online the [current list of registered DFPs for ITU-T event registration](https://www.itu.int/online/mm/scripts/s/gensel21?_lang=&_event=C-00010806&_event_type=ZSET) (ITU account with TIES access required).

Membership may nominate the same registration focal point for all ITU Sectors and the General Secretariat, or a different Registration focal point for each ITU Sector and the General Secretariat, at their discretion. Alternate focal points may also be registered, upon request to the secretariat. Changes of DFPs for Administrations of Member States should be submitted in writing to [memberstates@itu.int](mailto:memberstates@itu.int), while Sector Members, Associates and Academia should submit their requests in the same way to [membership@itu.int](mailto:Membership@itu.int).

To reduce delays in processing registration requests, and to lessen the burden on DFPs, TSB offers the possibility for each organization to "opt-in" to automatic approval of registration requests from its delegates for ITU-T events (TIES access required). To opt-in or opt-out at any time during the study period, a DFP should submit a written request to the Director of TSB (by post or preferably by e-mail to [tsbdir@itu.int](mailto:tsbdir@itu.int)).

5 The Alternative Approval Process (AAP) is an electronic fast-track approval process for international standards as set out in [Recommendation ITU-T A.8 (2022)](https://www.itu.int/rec/T-REC-A.8), which complements the Traditional Approval Process (TAP) described in Section 9 of WTSA Resolution 1 (Rev. Geneva, 2022).

The [web-based AAP tool](https://www.itu.int/t/aap/aap-recs) includes a comment submission feature, which authenticates users to ensure that only authorized individuals may submit comments on behalf of an eligible submitting organization. ITU Member States, ITU-T Sector Members, ITU-T Associates and ITU Academic Institutions are reminded that the procedure requires the designation of an **AAP focal point** to act as the authorized contact for correspondence on this matter. Focal points will be contacted should any relevant issues arise during AAP and will be informed by automatic e-mail when an AAP comment is submitted on behalf of their organization.

To **designate** an AAP focal point for your organization, please e-mail the following information to [tsbaap@itu.int](mailto:tsbaap@itu.int): first name and family name; organization; e-mail address and/or ITU account username. If no response is received, the current database record will be maintained. Updates to focal point details are welcome at any time there is a change in your organization during the 2025-2028 study period.

6 TSB publishes the [**Operational Bulletin**](https://www.itu.int/pub/T-SP/e) on a bi-weekly basis via the [International Numbering Resources (INR) web page](https://www.itu.int/en/ITU-T/inr/Pages/default.aspx). In addition, the following databases are accessible to ITU membership holders of TIES access rights:

* [ITU-T E.164](https://www.itu.int/net/itu-t/inrdb/secured/e164cc.aspx) Country codes and international shared country codes;
* [ITU-T E.118](https://www.itu.int/net/itu-t/inrdb/secured/e118iin.aspx) Issuer identifier numbers (IIN);
* [ITU-T E.212](https://www.itu.int/net/itu-t/inrdb/secured/e212mcc.aspx) Mobile country codes (MCC) and mobile network codes (MNC);
* [ITU-T E.218](https://www.itu.int/net/itu-t/inrdb/secured/e218tmcc.aspx) Terrestrial trunk radio mobile country codes (TMCC);
* [ITU-T Q.708](https://www.itu.int/net/itu-t/inrdb/secured/q708ispc.aspx) International Signalling Point Codes (ISPC) & Signalling Area/Network Codes (SANC).

According to [Recommendation ITU-T E.129](https://www.itu.int/rec/T-REC-E.129), all national numbering plan administrators (NPAs) should provide their web address to TSB along with contact information (address, telephone and e-mail address) for their designated focal point(s). For this purpose, Administrations are kindly requested to fill in and return the form in [**Annex 5**](#ANNEX_5) to [tsbtson@itu.int](mailto:tsbtson@itu.int) at any time during the 2025-2028 study period.

Yours faithfully,

Seizo Onoe  
Director of the Telecommunication  
Standardization Bureau

**Annexes**: 5

# ANNEX 1 WTSA-24 decisions concerning Resolutions, Recommendations and Opinion

Table 1.1: Revised Resolutions (44)

| **#** | **Title** | |
| --- | --- | --- |
| 2 | Scope and mandate of the ITU Telecommunication Standardization Sector study groups | |
| 7 | Collaboration with the International Organization for Standardization and the International Electrotechnical Commission |
| 11 | Collaboration with the Universal Postal Union in the study of services concerning both the postal and the telecommunication sectors | |
| 18 | Strengthening coordination and cooperation among the three ITU Sectors on matters of mutual interest |
| 20 | Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources | |
| 22 | Authorization for the Telecommunication Standardization Advisory Group to act between world telecommunication standardization assemblies | |
| 29 | Alternative calling procedures on international telecommunication networks | |
| 32 | Strengthening electronic working methods for the work of the ITU Telecommunication Standardization Sector | |
| 34 | Voluntary contributions | |
| 40 | Regulatory and policy aspects of the work of the ITU Telecommunication Standardization Sector | |
| 43 | Regional preparations for world telecommunication standardization assemblies | |
| 44 | Bridging the standardization gap between developing and developed countries | |
| 48 | Internationalized (multilingual) domain names | |
| 50 | Cybersecurity | |
| 52 | Countering and combating spam | |
| 54 | Regional groups of study groups of the ITU Telecommunication Standardization Sector | |
| 55 | Mainstreaming gender equality in ITU Telecommunication Standardization Sector activities | |
| 58 | Encouraging the creation and enhancement of national computer incident response teams, particularly for developing countries | |
| 60 | Responding to the challenges of the evolution of the identification/numbering system and its convergence with Internet Protocol-based systems/networks | |
| 61 | Countering and combating misappropriation and misuse of international telecommunication numbering, naming addressing and identification resources | |
| 64 | Promoting, facilitating and accelerating the transition to and deployment of Internet Protocol version 6 | |
| 65 | Calling party number delivery, calling line identification and origin identification information | |
| 67 | Use in the ITU Telecommunication Standardization Sector of the six official languages of the Union on an equal footing and the Standardization Committee for Vocabulary | |
| 68 | Evolving role of industry in the ITU Telecommunication Standardization Sector | |
| 70 | Telecommunication/information and communication technology accessibility for persons with disabilities and persons with specific needs | |
| 72 | Measurement and assessment concerns related to human exposure to electromagnetic fields | |
| 73 | Information and communication technologies, environment, climate change and circular economy | |
| 74 | Enhancing participation of Sector Members from developing countries in the work of the ITU Telecommunication Standardization Sector | |
| 76 | Conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme | |
| 77 | Enhancing the standardization work in the ITU Telecommunication Standardization Sector for software-defined networking | |
| 78 | Information and communication technology applications and standards for improved access to e-health services | |
| 79 | Role of telecommunications/information and communication technologies in handling and controlling e-waste from telecommunication and information technology equipment and methods of treating it | |
| 84 | Studies concerning the protection of users of telecommunication/information and communication technology services | |
| 88 | International mobile roaming | |
| 89 | Promoting the use of information and communication technologies to bridge the financial inclusion gap | |
| 91 | Enhancing access to an electronic repository of information on numbering plans published by the ITU Telecommunication Standardization Sector | |
| 92 | Enhancing the standardization activities in the ITU Telecommunication Standardization Sector related to non-radio aspects of international mobile telecommunications | |
| 93 | Interconnection of International Mobile Telecommunications networks | |
| 94 | Standardization work in the ITU Telecommunication Standardization Sector for cloud-based event data technology | |
| 96 | ITU Telecommunication Standardization Sector studies for combating counterfeit and tampered telecommunication/information and communication technology devices | |
| 97 | Combating mobile telecommunication device theft | |
| 98 | Enhancing standardization of Internet of Things, digital twins, and smart sustainable cities and communities for global development | |
| 99 | Restructuring of the ITU Telecommunication Standardization Sector study groups | |
| 100 | A common emergency number for Africa | |

Table 1.2: New Resolutions (8)

|  |  |
| --- | --- |
| **#** | **Title** |
| 101 | Standardization activities of the ITU Telecommunication Standardization Sector on artificial intelligence technologies in support of telecommunications/information and communication technologies |
| 102 | Provision of handset-derived caller location information for emergency communications |
| 103 | Enhancing standardization activities on digital public infrastructure |
| 104 | Promoting and strengthening standardization activities for vehicular communications |
| 105 | Promoting and strengthening metaverse standardization |
| 106 | Enhancing standardization activities on sustainable digital transformation |
| 107 | Enhancing the engagement of next-generation experts in the standardization activities of the ITU Telecommunication Standardization Sector |
| 108 | Strategic planning in ITU Telecommunication Standardization Sector |

Table 1.3: Resolutions unchanged (13)

| **#** | **Title** |
| --- | --- |
| 1 | Rules of procedure of the ITU Telecommunication Standardization Sector |
| 31 | Admission of entities or organizations to participate as Associates in the work of the ITU Telecommunication Standardization Sector |
| 47 | Country code top-level domain names |
| 49 | ENUM |
| 62 | Dispute settlement |
| 69 | Non-discriminatory access and use of Internet resources |
| 75 | The ITU Telecommunication Standardization Sector's contribution in implementing the outcomes of the World Summit on the Information Society, taking into account the 2030 Agenda for Sustainable Development |
| 83 | Evaluation of the implementation of resolutions of the World Telecommunication Standardization Assembly |
| 85 | Strengthening and diversifying the resources of the ITU Telecommunication Standardization Sector |
| 86 | Facilitating the implementation of the Smart Africa Manifesto |
| 87 | Participation of the ITU Telecommunication Standardization Sector in the periodic review and revision of the International Telecommunication Regulations |
| 90 | Open source in the ITU Telecommunication Standardization Sector |
| 95 | ITU Telecommunication Standardization Sector initiatives to raise awareness on best practices and policies related to service quality |

Table 1.4: Resolutions deleted

|  |  |
| --- | --- |
| **#** | **Title** |
| 80 | Acknowledging the active involvement of the membership in the development of ITU Telecommunication Standardization Sector deliverables |

Table 1.5: Opinions unchanged

|  |  |
| --- | --- |
| **#** | **Title** |
| 1 | Practical application of network externality premium |

Table 1.6: Revised Recommendations

|  |  |
| --- | --- |
| **#** | **Title** |
| A.25 | Generic procedures for incorporating text between ITU-T and other organizations |

Table 1.7: New Recommendations

|  |  |
| --- | --- |
| **#** | **Title** |
| None. | |

Table 1.8: Unchanged ITU-T A-series Recommendations (12)

|  |  |
| --- | --- |
| **#** | **Title** |
| A.1 | Working methods for study groups of the ITU Telecommunication Standardization Sector |
| A.2 | Presentation of contributions to the ITU Telecommunication Standardization Sector |
| A.5 | Generic procedures for including references to documents of other organizations in ITU-T Recommendations |
| A.7 | Focus groups: Establishment and working procedures |
| A.8 | Alternative approval process for new and revised ITU-T Recommendations |
| A.11 | Publication of ITU-T Recommendations and World Telecommunication Standardization Assembly proceedings |
| A.12 | Identification and layout of ITU-T Recommendations |
| A.13 | Non-normative ITU-T publications, including Supplements to ITU-T Recommendations |
| A.18 | Joint coordination activities: Establishment and working procedures |
| A.23 | Collaboration with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) on information technology |
| A.24 | Collaboration and exchange of information with other organizations |
| A.31 | Guidelines and coordination requirements for the organization of ITU-T seminars and workshops |

# ANNEX 2 WTSA-24 approved Actions

| **WTSA-24 action number** | **Action** |
| --- | --- |
| **1** | WTSA-24 requests TSAG to discuss possible revision of Resolution 1 in the upcoming Study Period and submit the updates that reach consensus to next Assembly in 2028 taking into consideration the proposals submitted to WTSA-24 to revise Resolution 1 ([ATU/35A1/1](https://www.itu.int/md/dologin_md.asp?lang=en&id=T22-WTSA.24-C-0035!A1-L1!MSW-E), [APT/37A1/1](https://www.itu.int/md/dologin_md.asp?lang=en&id=T22-WTSA.24-C-0037!A1-L1!MSW-E)and [RCC/40A30/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0040!A30!MSW-E.docx)) as well as their related discussions found in WTSA-24 [TD-140](https://www.itu.int/md/T22-WTSA.24-241015-TD-GEN-0140/en). |
| **2** | WTSA-24 instructs TSAG to study the concept and effectiveness of Lead Study Groups used in Resolution 1 §2.1.5, e.g., to clarify criteria for determination of lead roles, harmonize the description of lead SGs and improve the collaboration amongst ITU-T SGs, taking into consideration inter alia WTSA Resolution 99 (rev. New Delhi, 2024), and report the conclusions to the next WTSA. The ITU-T SGs should be involved in this process to already take this review process into consideration during the preparations for the next study period. |
| **3** | WTSA-24 invites the Director of the Telecommunication Standardization Bureau:  1. to come up with an action in the industry engagement action plan so as to promote and enhance the participation of MSMEs and startups in the ITU-T standardization process.  2. to survey in the industry engagement action plan. |
| **4** | With reference to the ARB and ATU contributions, [ARB/36A31/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0036!A31!MSW-E.docx) and [ATU/35A35/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0035!A35!MSW-E.docx), WTSA-24, in line with Resolution 68, requests the Director of TSB to convene workshops preferably back to back with relevant Study Group meetings that bring together stakeholders in the OTT ecosystem, aiming to facilitate collaboration, knowledge sharing, and consideration of diverse stakeholders' interests, while identifying and proposing innovative solutions to address their needs and interests wherever possible and report progress of workshop outcomes to TSAG. |
| **5** | WTSA-24 requests the Director of the Telecommunication Standardization Bureau, in collaboration with TSAG, to:  1. participate actively in the development and implementation of the ITU-wide resource mobilization strategy by exploring potential new measures for generating additional revenue for the ITU-T, including international numbering resources (INRs), stakeholder partnerships, and alternative funding models for standardization purposes, taking in account the interest of Sector Members,  2. explore current and possible new models, in particular to support the transfer of work to ITU-D to promote the implementation of ITU-T standards  3. encourage ITU-T Study Groups to develop Recommendations that are more likely to be adopted by the industry, and  4. submit a report on the above analysis to the ITU Council, and WTSA-28. |
| **6** | WTSA-24 requests TSB Director  1. to implement Resolution 90 instructs the TSB Director 1, and provide clarification of various open-source concepts and their use in ITU-T.  WTSA-24 requests TSAG  1. To survey on the practices and needs in use of open source in ITU-T groups.  2. To survey on the usage of open source in relation to the implementation of ITU-T Recommendations by ITU-T members.  3. Use the outcome of the surveys as input to the open source training referred to in instructs the TSB Director 1 |
| **7** | WTSA-24 instructs Study Groups 17 and 20 to establish a joint coordination or agreement mechanism between the study groups to determine a demarcation line on the topic of IoT security, and report to TSAG. |
| **8** | WTSA-24 instructs ITU-T study groups, *inter alia* Study Groups 13, 17 and 20, to establish a coordination mechanism amongst the study groups in order to deliberate on the topic of "trust" (including trusted information) and "trustworthiness", and report to TSAG. |
| **9** | WTSA-24 instructs ITU-T Study Groups 2 and 20 to establish a joint coordination or agreement mechanism between the study groups to determine a demarcation line for IoT identification and NNAI aspects, and report to TSAG. |
| **10** | With reference to the APT contribution, [APT 37A40](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0037!A40!MSW-E.docx), that acknowledges the importance of ongoing work and standardization efforts for digital identities and credentials occurring in a number of SDOs and standards bodies, including ITU-T, WTSA-24 instructs Study Group 17, as part of its Resolution 2 mandate as the Lead Study Group for Identity Management (IdM), to continue to develop the necessary Recommendations, Supplements, and Technical Reports for identity management and verifiable credentials. WTSA-24 also encourages Study Group 17 to further study new areas of identity management and verifiable credential standardization topics and to coordinate and promote standardization activities. This action may help to ensure synergies, enhance coordination, and minimize duplicative efforts between ITU-T and other SDOs. |
| **11** | With reference to the ARB contribution, [ARB/36A33](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0036!A33!MSW-E.docx), WTSA-24 instructs the TSB Director to inform Study Groups about:  1. the interoperability challenges faced with the implementation of **disaster risk management** for all types of systems and devices, including but not limited to, user equipment, IMT technologies, IoT, and multi-modal telecommunications;  2. the rapid growth of real-time data collection and communication in early warning systems;  3. new emerging technologies related to telecommunications/ICTs including AI, support emergency and disaster risk management and preparedness, for early warning, risk reduction, mitigation and relief. |
| **12** | With reference to the ARB contribution, [ARB/36A33/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0036!A33!MSW-E.docx), WTSA-24 invites Member States, Sector Members, Academia and Associates to contribute to the development of standards to address the points in WTSA-24 action 11. |
| **13** | Recognizing the importance of promoting the migration to, and utilization of Post-Quantum Cryptography (PQC) within telecommunication/ICT networks, presented in [APT/37A42/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0037!A42!MSW-E.docx), WTSA-24 instructs ITU-T SG17 to continue to develop the necessary Recommendations, Technical Reports and other ITU-T publications (including guidelines and best practices) to promote the migration to, and utilization of PQC within the remit of the Resolution 2 mandate as the lead study group on Security; and invites Membership to actively contribute to this work. |
| **14** | Recognizing the contribution that NGSO satellite systems can make to global connectivity, especially for regions lacking traditional internet infrastructure, raised in, [ATU/35A34/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0035!A34!MSW-E.docx), WTSA-24 invites TSAG to examine areas of overlap between work of the ITU-T and the work of other ITU sectors and international bodies over the next study period and provide guidance as to how ITU-T should address telecommunications standardization matters related to NGSO satellite systems within the mandates of its study groups outlined in WTSA Resolution 2 (Rev. New Delhi, 2024) and consistent with WTSA Resolution 18 (Rev. New Delhi, 2024) on allocation of work among the sectors. |
| **15** | Recognizing the contribution that NGSO satellite systems can make to global connectivity, especially for regions lacking traditional internet infrastructure, raised in, [ATU/35A34/1](https://www.itu.int/dms_pub/itu-t/md/22/wtsa.24/c/T22-WTSA.24-C-0035!A34!MSW-E.docx), WTSA-24 invites Member States, Sector Members, Associates and Academia to actively contribute in the relevant study groups on standardization matters related to NGSO satellite systems-based telecommunication services, consistent with WTSA-24 Action 14 towards a more connected and inclusive world. |

# ANNEX 3 WTSA-24 agreements on groups of the ITU Telecommunication Standardization Sector

Study Groups

| Designation | | Title | Short name |
| --- | --- | --- | --- |
| SG2 | Study Group 2 | Operational aspects of telecommunications and ICTs | Operational aspects |
| SG3 | Study Group 3 | Tariff and accounting principles and international telecommunication/ICT economic and policy issues | Economic and policy issues |
| SG5 | Study Group 5 | Environment, climate action, circular economy and electromagnetic fields | Environment, EMF, climate action & circular economy |
| SG11 | Study Group 11 | Signalling requirements, protocols, test specifications and combating counterfeit telecommunication/ICT devices | Protocols, testing & combating counterfeiting |
| SG12 | Study Group 12 | Performance, quality of service and quality of experience | Performance, QoS & QoE |
| SG13 | Study Group 13 | Future networks and emerging network technologies | Future networks |
| SG15 | Study Group 15 | Networks, technologies and infrastructures for transport, access and home | Transport, access & home |
| SG17 | Study Group 17 | Security | Security |
| SG20 | Study Group 20 | Internet of Things, digital twins and smart sustainable cities and communities | IoT, digital twins & smart cities |
| SG21\* | Study Group 21 | Technologies for multimedia, content delivery and cable television | Multimedia, content delivery & cable TV |

\* NOTE – New ITU-T Study Group 21 is the consolidation of ITU-T Study Groups 9 and 16 that existed in previous study periods.

Advisory Group

| Designation | Title |
| --- | --- |
| TSAG | Telecommunication Standardization Advisory Group |

Other Groups

| Designation | Title |
| --- | --- |
| SCV | Standardization Committee for Vocabulary |

# ANNEX 4 WTSA-24 Appointed chairs and vice-chairs in the Telecommunication Standardization Sector (2025-2028)

| Group | Name | | Member State | Position |
| --- | --- | --- | --- | --- |
| **TSAG** | **Mr Abdurahman** | **AL HASSAN** | **Saudi Arabia** | **Chair** |
| TSAG | Ms Miho | NAGANUMA | Japan | Vice-chair |
| TSAG | Mr Heung Youl | YOUM | Republic of Korea | Vice-chair |
| TSAG | Mr Guy-Michel | KOUAKOU | Côte d'Ivoire | Vice-chair |
| TSAG | Mr Mihail | ION | Romania | Vice-chair |
| TSAG | Mr Per Anders | FRÖJDH | Sweden | Vice-chair |
| TSAG | Mr Nilo | PASQUALI | Brazil | Vice-chair |
| TSAG | Ms Gaëlle | MARTIN-COCHER | Canada | Vice-chair |
| TSAG | Mr Yazeed | ALJAAFREH | Jordan | Vice-chair |
| TSAG | Mr Jasim Ali | BOUSAIBAH AL ALI | United Arab Emirates | Vice-chair |
| TSAG | Ms Nurona | MAKHMUDOVA | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
| --- | --- | --- | --- | --- |
| **SCV** | **Ms Rim** | **BELHAJ** | **Tunisia** | **Chair (French)** |
| SCV | Mr Mohamed | RASLAN | Egypt | Vice-chair (Arabic) |
| SCV | Ms Ying | CHENG | China | Vice-chair (Chinese) |
| SCV | Mr Hemendra | SHARMA | India | Vice-chair (English) |
| SCV | Ms Yvonne | UMUTONI | Rwanda | Vice-chair (English) |
| SCV | Vacant |  |  | Vice-chair (Russian) |
| SCV | Vacant |  |  | Vice-chair (Spanish) |

| Group | Name | | Member State | Position |
| --- | --- | --- | --- | --- |
| **SG2** | **Ms Ena** | **DEKANIC** | **United States** | **Chair** |
| SG2 | Mr Huan | DENG | China | Vice-chair |
| SG2 | Mr Premjit | LAL | India | Vice-chair |
| SG2 | Mr Inseop | LEE | Republic of Korea | Vice-chair |
| SG2 | Mr Yaw Boamah | BAAFI | Ghana | Vice-chair |
| SG2 | Mr Frankline | MAKOKHA | Kenya | Vice-chair |
| SG2 | Mr Elias Mogwase | LETLAPE | South Africa | Vice-chair |
| SG2 | Mr Süleyman | BAYRAM | Türkiye | Vice-chair |
| SG2 | Ms Elizabeth | GREENBERG | United Kingdom | Vice-chair |
| SG2 | Mr Fernando | HERNÁNDEZ SÁNCHEZ | Uruguay | Vice-chair |
| SG2 | Mr Abdulrahman | ALMUGHAMIS | Saudi Arabia | Vice-chair |
| SG2 | Mr Rashid | ALMEMARI | United Arab Emirates | Vice-chair |
| SG2 | Mr Zoubir | MIDOU | Algeria | Vice-chair |
| SG2 | Mr Javokhir | ARIPOV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
| --- | --- | --- | --- | --- |
| **SG3** | **Mr Ahmed** | **SAID** | **Egypt** | **Chair** |
| SG3 | Mr Tong | WU | China | Vice-chair |
| SG3 | Mr Sathish | KUMAR | India | Vice-chair |
| SG3 | Ms Eriko | HONDO | Japan | Vice-chair |
| SG3 | Mr Frederick | ASUMANU | Ghana | Vice-chair |
| SG3 | Mr Lanciné | FOFANA | Côte d'Ivoire | Vice-chair |
| SG3 | Ms Marthe | UWAMARIYA | Rwanda | Vice-chair |
| SG3 | Mr Danilo | CAIXETA CARVALHO | Brazil | Vice-chair |
| SG3 | Ms Kelsie | RUTHERFORD | United States | Vice-chair |
| SG3 | Mr Mohammad | ALMOMANI | Jordan | Vice-chair |
| SG3 | Mr Zuhair | ALZUHAIR | Kuwait | Vice-chair |
| SG3 | Mr Omar | ALNEMER | United Arab Emirates | Vice-chair |
| SG3 | Mr Bakhtjon | SMANOV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG5** | **Mr Dominique** | **WÜRGES** | **France** | **Chair** |
| SG5 | Ms Shuguang | QI | China | Vice-chair |
| SG5 | Ms Neha | UPADHYAY | India | Vice-chair |
| SG5 | Mr Byung Chan | KIM | Republic of Korea | Vice-chair |
| SG5 | Mr Derick | KHAMALI | Kenya | Vice-chair |
| SG5 | Mr William Daniel | MNYIPPEMBE | Tanzania | Vice-chair |
| SG5 | Ms Helen | NAKIGULI | Uganda | Vice-chair |
| SG5 | Mr Beniamino | GORINI | Finland | Vice-chair |
| SG5 | Mr Daniel | DIANAT | Sweden | Vice-chair |
| SG5 | Ms Rafia | BARKAT | Algeria | Vice-chair |
| SG5 | Mr Khaled | ALSALEEM | Kuwait | Vice-chair |
| SG5 | Ms Fatima | ALOUANE | Morocco | Vice-chair |
| SG5 | Mr Saidiahrol | SAYDIAKBAROV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG11** | **Mr Tejpal** | **SINGH** | **India** | **Chair** |
| SG11 | Mr Cheng | LI | China | Vice-chair |
| SG11 | Mr Kaoru | KENYOSHI | Japan | Vice-chair |
| SG11 | Mr Namseok | KO | Republic of Korea | Vice-chair |
| SG11 | Mr Kofi Ntim | YEBOAH-KORDIEH | Ghana | Vice-chair |
| SG11 | Ms Njeri | MWANGI | Kenya | Vice-chair |
| SG11 | Mr Emmanuel | NTAMBARA | Rwanda | Vice-chair |
| SG11 | Mr Uwe | BAEDER | Germany | Vice-chair |
| SG11 | Mr Paul | NAJARIAN | United States | Vice-chair |
| SG11 | Mr Mohsene Abdelfettah | TEBBI | Algeria | Vice-chair |
| SG11 | Mr Salim | NEBILI | Tunisia | Vice-chair |
| SG11 | Mr Doniyor | SAFAROV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG12** | **Ms Tania** | **VILLA TRÁPALA** | **Mexico** | **Chair** |
| SG12 | Ms Lei | YANG | China | Vice-chair |
| SG12 | Mr Abdul | KAYUM | India | Vice-chair |
| SG12 | Mr Kazuhisa | YAMAGISHI | Japan | Vice-chair |
| SG12 | Mr Malick | SYLLA | Senegal | Vice-chair |
| SG12 | Ms Fiona Mary Kamikazi | BEYARAAZA | Uganda | Vice-chair |
| SG12 | Mr Collins | MBULO | Zambia | Vice-chair |
| SG12 | Ms Stavroula | BOUZOUKI | Greece | Vice-chair |
| SG12 | Mr Arif | ARISOY | Türkiye | Vice-chair |
| SG12 | Mr Hossam | ABD EL MAOULA SAKER | Egypt | Vice-chair |
| SG12 | Mr Ahmed | ESHAKRUNI | Libya | Vice-chair |
| SG12 | Mr Abdulrahman | AL-DHBIBAN | Saudi Arabia | Vice-chair |
| SG12 | Mr Alisher | BABAXANOV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG13** | **Mr Kazunori** | **TANIKAWA** | **Japan** | **Chair** |
| SG13 | Ms Yuan | ZHANG | China | Vice-chair |
| SG13 | Mr Abhijan | BHATTACHARYYA | India | Vice-chair |
| SG13 | Mr Kangchan | LEE | Republic of Korea | Vice-chair |
| SG13 | Mr Mohammed Kyari | MUSTAFA | Nigeria | Vice-chair |
| SG13 | Mr Elliot | KABALO | Zambia | Vice-chair |
| SG13 | Ms Soumaya | BENBARTAOUI | Algeria | Vice-chair |
| SG13 | Mr Andy | PITTS | United Kingdom | Vice-chair |
| SG13 | Mr João Alexandre Moncaio | ZANON | Brazil | Vice-chair |
| SG13 | Mr John | HICKEY | United States | Vice-chair |
| SG13 | Mr Mohannad | EL-MEGHARBEL | Egypt | Vice-chair |
| SG13 | Ms Yosra | ABBES | Tunisia | Vice-chair |
| SG13 | Ms Halima | MOHAMED | Bahrain | Vice-chair |
| SG13 | Mr Obid | ASADOV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG15** | **Mr Glenn** | **PARSONS** | **Canada** | **Chair** |
| SG15 | Mr Fatai | ZHANG | China | Vice-chair |
| SG15 | Mr Sudipta | BHAUMIK | India | Vice-chair |
| SG15 | Mr Taesik | CHEUNG | Republic of Korea | Vice-chair |
| SG15 | Mr Marcel Bawindsom | KEBRE | Burkina Faso | Vice-chair |
| SG15 | Mr Stephen | SHEW | Canada | Vice-chair |
| SG15 | Mr Thomas | HUBER | United States | Vice-chair |
| SG15 | Mr Mohamed Amine | BENZIANE | Algeria | Vice-chair |
| SG15 | Mr Adel | HLILOU | Tunisia | Vice-chair |
| SG15 | Mr Umar | IZBASAROV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG17** | **Mr Arnaud** | **TADDEI** | **United Kingdom** | **Chair** |
| SG17 | Mr Liang | WEI | China | Vice-chair |
| SG17 | Ms Preetika | SINGH | India | Vice-chair |
| SG17 | Mr Takamasa | ISOHARA | Japan | Vice-chair |
| SG17 | Mr Kwadwo | OSAFO-MAAFO | Ghana | Vice-chair |
| SG17 | Ms Honey | MAKOLA | South Africa | Vice-chair |
| SG17 | Mr Abdenour | BOURENNANE | Algeria | Vice-chair |
| SG17 | Mr Mahmut Esat | YILDIRM | Türkiye | Vice-chair |
| SG17 | Mr Michael | ROSA | United States | Vice-chair |
| SG17 | Mr Samir | GABER ABD EL GAWAD | Egypt | Vice-chair |
| SG17 | Ms Laial | ALMANSOURY | Kuwait | Vice-chair |
| SG17 | Ms Afnan | ALROMI | Saudi Arabia | Vice-chair |
| SG17 | Mr Farhad | BELONOGOV | Uzbekistan | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG20** | **Mr Hyoung Jun** | **KIM** | **Republic of Korea** | **Chair** |
| SG20 | Mr Song | LUO | China | Vice-chair |
| SG20 | Mr A Robert Jerard | RAVI | India | Vice-chair |
| SG20 | Mr Toru | YAMADA | Japan | Vice-chair |
| SG20 | Ms Sophia | NAHOZA | Tanzania | Vice-chair |
| SG20 | Ms Christina Lesa | CHIBESAKUNDA | Zambia | Vice-chair |
| SG20 | Mr Ramy Ahmed | FATHY | Egypt | Vice-chair |
| SG20 | Ms Sophia | PAPATHANASOPOULOU | Greece | Vice-chair |
| SG20 | Mr Emanuele | NASTRI | Italy | Vice-chair |
| SG20 | Ms Ricarda Carolina | RENDE | Brazil | Vice-chair |
| SG20 | Mr Ali | ABBASSENE | Algeria | Vice-chair |
| SG20 | Mr Muath | AL-RUMAYH | Saudi Arabia | Vice-chair |
| SG20 | Ms Imen | GUEICH | Tunisia | Vice-chair |
| SG20 | Mr Khusan | SOATOV | Uzbekistan | Vice-chair |
| SG20 | Mr Mars | SYDYKOV | Kyrgyz Republic | Vice-chair |

| Group | Name | | Member State | Position |
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| **SG21** | **Mr Zhong (Noah)** | **LUO** | **China** | **Chair** |
| SG21 | Mr Avinash | AGARWAL | India | Vice-chair |
| SG21 | Mr Kei | KAWAMURA | Japan | Vice-chair |
| SG21 | Mr Shin-Gak | KANG | Republic of Korea | Vice-chair |
| SG21 | Mr Joseph | ONAYA | Kenya | Vice-chair |
| SG21 | Mr Lukasz | LITWIC | Sweden | Vice-chair |
| SG21 | Mr Mehmet | ÖZDEM | Türkiye | Vice-chair |
| SG21 | Mr Vincent | AFFLECK | United Kingdom | Vice-chair |
| SG21 | Mr Andrey | PEREZ | Brazil | Vice-chair |
| SG21 | Mr Justin | RIDGE | United States | Vice-chair |
| SG21 | Ms Sarra | REBHI | Tunisia | Vice-chair |
| SG21 | Mr Sirojiddin | USMANOV | Uzbekistan | Vice-chair |

# ANNEX 5 National numbering plan administrators

Administrations of Member States are invited to complete this form and return it to [tsbtson@itu.int](mailto:tsbtson@itu.int).

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| **CONTACT POINTS OF THE NATIONAL NUMBERING PLAN ADMINISTRATOR (NPA)  FOR THE NATIONAL NUMBERING PLAN (NNP)**  **(ITU-T E.129)** | | |
| □ Administration of a Member State |  |

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| Name of organization: | |  | | |
| Country: | |  | | |
| Name of national Numbering Plan Administrator (NPA) focal point: | |  | | |
| Title / Function: | |  | | |
| NPA web address: | |  | | |
| Tel.: |  | | Fax: |  |
| E-mail: |  | |  |  |

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