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| The International Teleocmmunication Union - Connecting the World. | **International telecommunication union****Telecommunication Standardization Bureau** |  |
|  | Geneva, 23 March 2022 |
| **Ref:** | **TSB Circular 1** | **To:**- Administrations of Member States of the Union;- ITU-T Sector Members;- ITU-T Associates;- ITU Academia |
| **Tel:** | +41 22 730 6311 |
| **Fax:** | +41 22 730 5853 |
| **E-mail:** | tsbdoc@itu.int | **Copy to:**- The Chairmen and Vice-Chairmen of Study Groups;- The Director of the Telecommunication Development Bureau;- The Director of the Radiocommunication Bureau |
| **Subject:** | **Study Period 2022-2024****- General information on ITU-T activities****- 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-20), which was held in Geneva, Switzerland, 1-9 March 2022, updated the working methods of ITU-T and elected the new leadership teams for the ITU-T study groups for the 2022-2024 study period. The new, revised and unchanged WTSA Resolutions and ITU-T A-series Recommendations are listed in [**Annex 1**](#_ANNEX_1_WTSA-20). WTSA Resolutions/Opinions will be available in the near future for download, free of charge, from the ITU-T website at <https://www.itu.int/publ/T-RES/e> and ITU-T A-series Recommendations will be available at <https://www.itu.int/itu-t/recommendations/index.aspx?ser=A>.

**2** A list of the ITU-T study groups and other groups, as approved by WTSA-‑20, can be found in [**Annex 2**](#_ANNEX_2_WTSA). 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 can be found under the study group pages on the ITU-T website. The text of the Questions allocated to each study group for the 2022-2024 study period is found in Contribution 1 of each study group as well as on the website of each study group. [**Annex 3**](#_ANNEX_3_Appointed) contains the names and affiliations of all chairmen and vice-chairmen elected at WTSA-20.

**3** Documents and other electronic resources can be accessed via the ITU Telecommunication Information Exchange System (TIES). 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://www.itu.int/en/ties-services/Pages/default.aspx) user profile. 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 can be viewed on the ITU [TIES Services](https://www.itu.int/en/ties-services/Pages/default.aspx) webpage in [pdf](https://www.itu.int/en/ties-services/SiteAssets/TIESApproveReject.pdf) or [video](https://www.itu.int/en/ties-services/Pages/Videos.aspx#accept-reject-ties-user) format.

**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). For this purpose, 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).

Administrations of ITU Member States 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. Changes of DFPs should be submitted in writing (including a scanned letter) to memberstates@itu.int. Sector Members, Associates and Academia should submit their nominations to 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 by e-mail to 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 an authorized individual 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: first name and family name; e-mail address and/or ITU account username; organization. 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 2022-2024 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 Member State Administrations and ITU-T Sector Members:

* [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 Points (ISPC) & Signalling Area/Network Codes (SANC).

According to [Recommendation ITU-T E.129](https://www.itu.int/rec/T-REC-E.129), all National Plan Administrators (NPAs) should provide their web address to TSB along with contact information for their designated focal point(s). Administrations are kindly requested to fill in and return the form in [**Annex 4**](#_ANNEX_4_Numbering) to tsbtson@itu.int at any time during the 2022-2024 study period.

Yours faithfully,

Chaesub Lee
Director of the Telecommunication
Standardization Bureau

# ANNEX 1WTSA-20 approvals

Table 1.1: Revised Resolutions

| **#** | **Title** |
| --- | --- |
| 1 | Rules of procedure of the ITU Telecommunication Standardization Sector |
| 2 | ITU Telecommunication Standardization Sector study group responsibility and mandates |
| 7 | Collaboration with the International Organization for Standardization and the International Electrotechnical Commission |
| 18 | Principles and procedures for the allocation of work to, and strengthening coordination and cooperation among, the ITU Radiocommunication, ITU Telecommunication Standardization and ITU Telecommunication Development Sectors |
| 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 |
| 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 |
| 54 | Regional groups of study groups of the ITU Telecommunication Standardization Sector |
| 55 | Promoting gender equality in ITU Telecommunication Standardization Sector activities |
| 58 | Encouraging the creation 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 IP-based systems/networks |
| 61 | Countering and combating misappropriation and misuse of international telecommunication numbering resources |
| 64 | Internet protocol address allocation and facilitating the transition to and deployment of IPv6 |
| 65 | Calling party number delivery, calling line identification and origin identification information |
| 67 | Use in the ITU Telecommunication Standardization Sector of the languages of the Union on an equal footing and the Standardization Committee for Vocabulary |
| 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 |
| 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 |
| 76 | Studies related to conformance and interoperability testing, assistance to developing countries, and a possible future ITU Mark programme |
| 78 | Information and communication technology applications and standards for improved access to e-health services |
| 79 | The 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 |
| 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 |
| 95 | ITU Telecommunication Standardization Sector initiatives to raise awareness on best practices and policies related to service quality |
| 97 | Combating mobile telecommunication device theft |
| 98 | Enhancing the standardization of Internet of things and smart cities and communities for global development |

Table 1.2: New Resolutions

|  |  |
| --- | --- |
| **#** | **Title** |
| 99 | Consideration of organizational reform of the ITU Telecommunication Standardization Sector study groups |
| 100 | A common emergency number for Africa |

Table 1.3: Resolutions unchanged

|  |  |
| --- | --- |
| **#** | **Title** |
| 11 | Collaboration with the Postal Operations Council of the Universal Postal Union in the study of services concerning both the postal and the telecommunication sectors |
| 31 | Admission of entities or organizations to participate as Associates in the work of the ITU Telecommunication Standardization Sector |
| 32 | Strengthening electronic working methods for the work of the ITU Telecommunication Standardization Sector |
| 47 | Country code top-level domain names |
| 49 | ENUM |
| 52 | Countering and combating spam |
| 62 | Dispute settlement |
| 68 | Evolving role of industry in the ITU Telecommunication Standardization Sector |
| 69 | Non-discriminatory access and use of Internet resources |
| 77 | Enhancing the standardization work in the ITU Telecommunication Standardization Sector for software-defined networking |
| 80 | Acknowledging the active involvement of the membership in the development of ITU Telecommunication Standardization Sector deliverables |
| 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 |
| 88 | International mobile roaming |
| 90 | Open source in the ITU Telecommunication Standardization Sector |
| 93 | Interconnection of 4G, IMT-2020 networks and beyond |
| 94 | Standardization work in the ITU Telecommunication Standardization Sector for cloud-based event data technology |
| 96 | ITU Telecommunication Standardization Sector studies for combating counterfeit telecommunication/information and communication technology devices |

Table 1.4: Resolutions deleted

|  |  |
| --- | --- |
| **#** | **Title** |
| 35 | Appointment and maximum term of office for chairmen and vice-chairmen of study groups of the Telecommunication Standardization Sector and of the Telecommunication Standardization Advisory Group |
| 45 | Effective coordination of standardization work across study groups in the ITU Telecommunication Standardization Sector and the role of the ITU Telecommunication Standardization Advisory Group |
| 59 | Enhancing participation of telecommunication operators from developing countries |
| 66 | Technology Watch in the Telecommunication Standardization Bureau |

Table 1.5: Opinions unchanged

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

Table 1.6: Revised Recommendations

|  |  |
| --- | --- |
| **#** | **Title** |
| A.5 | Generic procedures for including references to documents of other organizations in ITU-T Recommendations |
| A.8 | Alternative approval process for new and revised ITU-T Recommendations |
| 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

|  |  |
| --- | --- |
| **#** | **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.4 | Communication process between the ITU Telecommunication Standardization Sector and forums and consortia |
| A.6 | Cooperation and exchange of information between the ITU Telecommunication Standardization Sector and national and regional standards development organizations |
| A.7 | Focus groups: Establishment and working procedures |
| 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.23 | Collaboration with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) on information technology |
| A.31 | Guidelines and coordination requirements for the organization of ITU-T seminars and workshops |

# ANNEX 2WTSA agreements on groups of the ITU Telecommunication Standardization Sector

Study Groups

| Designation | Title | Short name |
| --- | --- | --- |
| SG2 | Study Group 2 | Operational aspects of service provision and telecommunication management | 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 | Electromagnetic fields (EMF), environment, climate action, sustainable digitalization and circular economy | Environment and climate change |
| SG9 | Study Group 9 | Audiovisual content transmission and integrated broadband cable networks | Broadband cable and TV |
| 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 and 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 and home |
| SG16 | Study Group 16 | Multimedia and related digital technologies | Multimedia and digital technologies |
| SG17 | Study Group 17 | Security | Security |
| SG20 | Study Group 20 | Internet of Things (IoT) and smart cities and communities | IoT, smart cities & communities |

Advisory Group

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

Other Groups

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

# ANNEX 3Appointed Chairmen and Vice-chairmen in the Telecommunication Standardization Sector (2022-2024)

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| TSAG | Mr Abdurahman AL HASSAN | Saudi Arabia | Chairman | Arab States |
| TSAG | Ms Miho NAGANUMA | NEC, Japan | Vice-Chairman | Asia & Pacific |
| TSAG | Ms Fang LI | China | Vice-Chairman | Asia & Pacific |
| TSAG | Mr Omar AL-ODAT | Jordan | Vice-Chairman | Arab States |
| TSAG | Mr Guy-Michel KOUAKOU | Côte d’Ivoire | Vice-Chairman | Africa |
| TSAG | Mr Isaac BOATENG | Ghana | Vice-Chairman | Africa |
| TSAG | Mr Olivier DUBUISSON | France | Vice-Chairman | Europe |
| TSAG | Mr Tobias KAUFMANN | Germany | Vice-Chairman | Europe |
| TSAG | Ms Gaëlle MARTIN-COCHER | InterDigital, Canada | Vice-Chairman | Americas |
| TSAG | Mr Víctor Manuel MARTÍNEZ VANEGAS | Mexico | Vice-Chairman | Americas |
| TSAG | Mr Ulugbek AZIMOV | Uzbekistan | Vice-Chairman | CIS |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG2 | Mr Philip Mark RUSHTON | United Kingdom | Chairman | Europe |
| SG2 | Mr Vijay Kumar ROY | India | Vice-Chairman | Asia & Pacific |
| SG2 | Ms Yanchuan WANG | China | Vice-Chairman | Asia & Pacific |
| SG2 | Mr In Seop LEE | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG2 | Mr Hossam ABD EL MAOULA SAKER | Egypt | Vice-Chairman | Arab States |
| SG2 | Mr Rashid AL MAMMARI | United Arab Emirates | Vice-Chairman | Arab States |
| SG2 | Mr Yaw Boamah BAAFI | Ghana | Vice-Chairman | Africa |
| SG2 | Mr Ramazan YILMAZ | Turkey | Vice-Chairman | Europe |
| SG2 | Mr Philippe FOUQUART | France | Vice-Chairman | Europe |
| SG2 | Mr Fernando HERNÁNDEZ Sánchez | Uruguay | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG3 | Mr Ahmed SAID | Egypt | Chairman | Arab States |
| SG3 | Mr S.K. MISHRA | India | Vice-Chairman | Asia & Pacific |
| SG3 | Mr Hui CHEN | China | Vice-Chairman | Asia & Pacific |
| SG3 | Ms Eriko HONDO | KDDI, Japan | Vice-Chairman | Asia & Pacific |
| SG3 | Mr Omar Ali ALNEMER | United Arab Emirates | Vice-Chairman | Arab States |
| SG3 | Mr Zuhair AL-ZUHAIR | Kuwait | Vice-Chairman | Arab States |
| SG3 | Ms Karima MAHMOUDI | Tunisia | Vice-Chairman | Arab States |
| SG3 | Ms Aminata THIAM DRAME | Senegal | Vice-Chairman | Africa |
| SG3 | Mr Frederick ASUMANU | Ghana | Vice-Chairman | Africa |
| SG3 | Ms Marthe UWAMARIYA | Rwanda | Vice-Chairman | Africa |
| SG3 | Mr Mihail ION | Romania | Vice-Chairman | Europe |
| SG3 | Ms Liliana Nora BEIN | Argentina | Vice-Chairman | Americas |
| SG3 | Ms Ena DEKANIC | United States | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG5 | Mr Dominique WÜRGES | France | Chairman | Europe |
| SG5 | Ms Shuguang QI | China | Vice-Chairman | Asia & Pacific |
| SG5 | Mr Byung Chan KIM | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG5 | Mr Kazuhiro TAKAYA | NTT, Japan | Vice-Chairman | Asia & Pacific |
| SG5 | Ms Nevine TEWFIK | Egypt | Vice-Chairman | Arab States |
| SG5 | Mr Vincent Urbain NAMRONA | Central African Republic | Vice-Chairman | Africa |
| SG5 | Mr Jean-Manuel CANET | France | Vice-Chairman | Europe |
| SG5 | Mr Beniamino GORINI | Nokia, Finland | Vice-Chairman | Europe |
| SG5 | Mr Pedro BRISSON | Argentina | Vice-Chairman | Americas |
| SG5 | Mr Saidiahrol SAIDIAKBAROV | Uzbekistan | Vice-Chairman | CIS |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG9 | Mr Satoshi MIYAJI | KDDI, Japan | Chairman | Asia & Pacific |
| SG9 | Mr Tae Kyoon KIM | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG9 | Mr Pradipta BISWAS | India | Vice-Chairman | Asia & Pacific |
| SG9 | Mr Zhifan SHENG | China | Vice-Chairman | Asia & Pacific |
| SG9 | Mr Blaise CORSAIRE MAMADOU | Central African Republic | Vice-Chairman | Africa |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG11 | Mr Ritu Ranjan MITTAR | India | Chairman | Asia & Pacific |
| SG11 | Mr Namseok KO | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG11 | Ms Xiaojie ZHU | China | Vice-Chairman | Asia & Pacific |
| SG11 | Ms Arezu OROJLU | Islamic Republic of Iran | Vice-Chairman | Asia & Pacific |
| SG11 | Mr Karim LOUKIL | Tunisia | Vice-Chairman | Arab States |
| SG11 | Mr Ibrahim ABDALLA | Sudan | Vice-Chairman | Arab States |
| SG11 | Mr Kofi Ntim YEBOAH-KORDIEH | Ghana | Vice-Chairman | Africa |
| SG11 | Mr Uwe BAEDER | Rohde & Schwarz, Germany | Vice-Chairman | Europe |
| SG11 | Mr Juan Matías CATTANEO | Argentina | Vice-Chairman | Americas |
| SG11 | Mr João Alexandre Moncaio ZANON | Brazil | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG12 | Ms Tania VILLA TRAPALA | Mexico | Chairman | Americas |
| SG12 | Ms Lei YANG | China | Vice-Chairman | Asia & Pacific |
| SG12 | Mr Seong-Ho JEONG | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG12 | Mr Kazuhisa YAMAGISHI | NTT, Japan | Vice-Chairman | Asia & Pacific |
| SG12 | Mr Zeid ALKADI | Jordan | Vice-Chairman | Arab States |
| SG12 | Mr Ammar ABDALLAH | Sudan | Vice-Chairman | Arab States |
| SG12 | Mr Abdulrahman AL-DHBIBAN | Saudi Arabia | Vice-Chairman | Arab States |
| SG12 | Mr Collins MBULO | Zambia | Vice-Chairman | Africa |
| SG12 | Ms Yvonne UMUTONI | Rwanda | Vice-Chairman | Africa |
| SG12 | Mr Edoyemi OGOH | Nigeria | Vice-Chairman | Africa |
| SG12 | Mr Mehmet ÖZDEM | Turkey | Vice-Chairman | Europe |
| SG12 | Mr Sergio Daniel D’UVA | Argentina | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG13 | Mr Kazunori TANIKAWA | Japan | Chairman | Asia & Pacific |
| SG13 | Mr Hyung-Soo KIM | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG13 | Mr Abhay Shanker VERMA | India | Vice-Chairman | Asia & Pacific |
| SG13 | Ms Yuan ZHANG | China | Vice-Chairman | Asia & Pacific |
| SG13 | Ms Rim BELHASSINE-CHERIF | Tunisia | Vice-Chairman | Arab States |
| SG13 | Ms Soumya BENBERTAOUI | Algeria | Vice-Chairman | Arab States |
| SG13 | Mr Faleh AL-GHAMDI | Saudi Arabia | Vice-Chairman | Arab States |
| SG13 | Mr Brice MURARA | Rwanda | Vice-Chairman | Africa |
| SG13 | Mr Mark McFADDEN | United Kingdom | Vice-Chairman | Europe |
| SG13 | Mr Bülent ARSAL | Turkey | Vice-Chairman | Europe |
| SG13 | Ms Anabel DEL CARMEN CISNEROS | Argentina | Vice-Chairman | Americas |
| SG13 | Mr Scott Andrew MANSFIELD | Ericsson Canada, Canada | Vice-Chairman | Americas |
| SG13 | Mr Mehmet TOY | United States | Vice-Chairman | Americas |
| SG13 | Mr O.N. ASADOV | Uzbekistan | Vice-Chairman | CIS |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG15 | Mr Glenn Wilson PARSONS | Ericsson Canada | Chairman | Americas |
| SG15 | Mr Fatai ZHANG | China | Vice-Chairman | Asia & Pacific |
| SG15 | Mr Sudipta BHAUMIK | India | Vice-Chairman | Asia & Pacific |
| SG15 | Mr Taesik CHEUNG | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG15 | Mr Mohamed Amine BENZIANE | Algérie Télécom, Algeria | Vice-Chairman | Arab States |
| SG15 | Mr Cyrille Vivien VEZONGADA | Central African Republic | Vice-Chairman | Africa |
| SG15 | Mr Emanuele NASTRI | Italy | Vice-Chairman | Europe |
| SG15 | Mr Thomas HUBER | United States | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG16 | Mr Zhong (Noah) LUO | China | Chairman | Asia & Pacific |
| SG16 | Mr Ashok KUMAR | India | Vice-Chairman | Asia & Pacific |
| SG16 | Mr Hideki YAMAMOTO | OKI Electric, Japan | Vice-Chairman | Asia & Pacific |
| SG16 | Mr Shin-Gak KANG | Republic of Korea  | Vice-Chairman | Asia & Pacific |
| SG16 | Ms Sarra REBHI | Tunisia | Vice-Chairman | Arab States |
| SG16 | Mr Charles Zoé BANGA | Central African Republic | Vice-Chairman | Africa |
| SG16 | Mr Per FRÖJDH | Sweden | Vice-Chairman | Europe |
| SG16 | Mr Justin RIDGE | United States | Vice-Chairman | Americas |
| SG16 | Mr A.A. SAVURBAEV | Uzbekistan | Vice-Chairman | CIS |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG17 | Mr Heung Youl YOUM | Republic of Korea | Chairman | Asia & Pacific |
| SG17 | Mr Pushpendra Kumar SINGH | India | Vice-Chairman | Asia & Pacific |
| SG17 | Mr Yutaka MIYAKE | KDDI, Japan | Vice-Chairman | Asia & Pacific |
| SG17 | Mr Liang WEI | China  | Vice-Chairman | Asia & Pacific |
| SG17 | Mr Abderrazak BACHIR BOUIADJRA | Algérie Télécom, Algeria | Vice-Chairman | Arab States |
| SG17 | Ms Laialy A. ALMANSOURY | Kuwait | Vice-Chairman | Arab States |
| SG17 | Ms Afnan AL-ROMI | Saudi Arabia | Vice-Chairman | Arab States |
| SG17 | Ms Wala TURKI LATROUS | Tunisia | Vice-Chairman | Africa |
| SG17 | Mr Kwadwo Gyamfi OSAFO-MAAFO | Ghana | Vice-Chairman | Africa |
| SG17 | Mr Samir Gaber ABDEL-GAWAD | Egypt | Vice-Chairman | Arab States |
| SG17 | Ms Lía MOLINARI | Argentina | Vice-Chairman | Americas |
| SG17 | Mr Greg RATTA | United States | Vice-Chairman | Americas |
| SG17 | Mr Gökhan EVREN | Turkey | Vice-Chairman | Europe |
| SG17 | Mr Arnaud TADDEI | United Kingdom | Vice-Chairman | Europe |

| Group | Name | Entity / Country | Role | Region |
| --- | --- | --- | --- | --- |
| SG20 | Mr Hyoung Jun KIM | Republic of Korea  | Chairman | Asia & Pacific |
| SG20 | Mr Ziqin SANG | China | Vice-Chairman | Asia & Pacific |
| SG20 | Mr Toru YAMADA | Japan | Vice-Chairman | Asia & Pacific |
| SG20 | Mr Harin S GREWAL | Singapore | Vice-Chairman | Asia & Pacific |
| SG20 | Mr Ramy AHMED FATHY | Egypt | Vice-Chairman | Arab States |
| SG20 | Mr Muath AL-RUMAYH | Saudi Arabia | Vice-Chairman | Arab States |
| SG20 | Mr Ali ABBASSENE | Algeria | Vice-Chairman | Arab States |
| SG20 | Mr Achime Malick NDIAYE | Senegal | Vice-Chairman | Africa |
| SG20 | Mr Emmanuel MANASSEH | Tanzania | Vice-Chairman | Africa |
| SG20 | Mr Fabio BIGI | Italy | Vice-Chairman | Europe |
| SG20 | Ms Shane HE | Nokia, Finland | Vice-Chairman | Europe |
| SG20 | Mr Héctor Mario CARRIL | Argentina | Vice-Chairman | Americas |

| Group | Name | Entity / Country | Role | Language group |
| --- | --- | --- | --- | --- |
| SCV | Ms Rim BELHAJ | Tunisia | Chairman | French |
| SCV | Vacant | – | Vice-chairman | Arabic |
| SCV | Mr Tong WU | China | Vice-Chairman | Chinese |
| SCV | Mr Paul NAJARIAN | United States | Vice-Chairman | English |
| SCV | Vacant | – | Vice-Chairman | Russian |
| SCV | Vacant | – | Vice-chairman | Spanish |

# ANNEX 4Numbering plan administrators

Administrations of Member States are invited to complete this form and return it to tsbtson@itu.int.

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| **CONTACT POINTS OF THE NUMBERING PLAN ADMINISTRATOR (NPA) FOR THE NATIONAL NUMBERING PLAN (NNP)** |
| □ Administration of a Member State |   |

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

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