

WORLD TELECOMMUNICATION STANDARDIZATION
ASSEMBLY
New Delhi, 15-24 October 2024

**Resolution 20 – Procedures for allocation and
management of international
telecommunication numbering, naming,
addressing and identification resources**

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, and information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

RESOLUTION 20 (Rev. New Delhi, 2024)

Procedures for allocation and management of international telecommunication numbering, naming, addressing and identification resources

(Helsinki, 1993; Geneva, 1996; Montreal, 2000; Florianópolis, 2004; Johannesburg, 2008; Dubai, 2012; Hammamet, 2016; Geneva, 2022; New Delhi, 2024)

The World Telecommunication Standardization Assembly (New Delhi, 2024),

recognizing

- a)* the relevant rules of the International Telecommunication Regulations (Dubai, 2012) regarding the integrity and use of numbering resources and calling line identification;
- b)* the instructions in the resolutions adopted by plenipotentiary conferences relevant for the stability of numbering and identification plans, especially the ITU-T E.164 and ITU-T E.212 plans, and in particular in Resolution 133 (Rev. Bucharest, 2022) of the Plenipotentiary Conference, where it resolves to instruct the Secretary-General and the Directors of the Bureaux: "to take any necessary action to ensure the sovereignty of ITU Member States with regard to Recommendation ITU-T E.164 numbering plans whatever the application in which they are used";
- c)* Resolution 49 (Rev. Hammamet, 2016) of the World Telecommunication Standardization Assembly, on ENUM;
- d)* that international telecommunication numbering, naming, addressing and identification (NNAI) resources and related codes are crucial to maintain global interoperability;
- e)* the impact of new and emerging telecommunications/information and communication technologies (ICTs) on the allocation and management of international telecommunication NNAI resources;
- f)* that there is a need for both flexibility and adaptability in a timely fashion by regulators in managing international telecommunication NNAI for different resources related to voice services using new telecommunications/ICTs and innovative services;
- g)* the need to have transparency and interoperability across telecommunication applications using new telecommunications/ICTs and innovative services that have become ubiquitous and essential globally to meet the evolving needs of users, such as for increased financial inclusion;
- h)* that international telecommunication NNAI resources are becoming global identifiers of users and different services, not limited to telecommunication services,

noting

- a) that the procedures governing the allocation and management of international telecommunication NNAI resources and related codes (e.g. new telephone country codes, telex destination codes, signalling area/network codes, data country codes, mobile country codes, identification), including ENUM, are laid down in the relevant Recommendations in the ITU-T E-, ITU-T F-, ITU-T Q-, ITU-T X- and ITU-T Y-series;
- b) that the principles concerning future NNAI plans to deal with emerging services or applications and relevant NNAI resource allocation procedures to meet international telecommunication needs will be studied in accordance with this resolution and the work programme approved by this assembly for study groups of the ITU Telecommunication Standardization Sector (ITU-T);
- c) the deployment of current and future telecommunications/ICTs, including Internet Protocol-based networks to support new and innovative services that may require NNAI resources;
- d) that several international telecommunication NNAI resources are developed and maintained by ITU-T study groups and are in widespread use;
- e) that the national authorities responsible for allocation of NNAI resources, including those covered by Recommendation ITU-T Q.708, on specifications of Signalling System No. 7 – Message Transfer Part (MTP), Recommendation ITU-T E.164, on the international public telecommunication numbering plan, and Recommendation ITU-T E.212, on the international identification plan for public networks and subscriptions, normally participate in ITU-T Study Group 2;
- f) that it is in the common interest of ITU Member States and Sector Members that the ITU-T Recommendations and guidelines for international telecommunication NNAI resources should:
 - i) be known, recognized and applied by all;
 - ii) be used to build and maintain confidence of all in the related services;
 - iii) address deterrence of misuse of such resources;
 - iv) be governed and administered in a consistent and appropriate manner;
- g) Articles 14 and 15 of the ITU Convention, relating to the activities of ITU-T study groups and the responsibilities of the Director of the Telecommunication Standardization Bureau (TSB), respectively;
- h) No. 196 of the Convention, which stipulates that "In the performance of their studies, the telecommunication standardization study groups shall pay due attention to the study of questions and to the formulation of recommendations directly connected with the establishment, development and improvement of telecommunications in developing countries at both the regional and international levels. They shall conduct their work giving due consideration to the work of national, regional and other international standardization organizations, and cooperate with them, keeping in mind the need for the Union to maintain its pre-eminent position in the field of worldwide standardization for telecommunications.",

considering

- a) that the assignment of international telecommunication NNAI resources is a responsibility of the Director of TSB and the relevant administrations;
- b) the evolution of telecommunication services, and the requirements for NNAI resources to support new telecommunications/ICTs and innovative services, including the use of telecommunication NNAI resources for the provision of non-telecommunication services;
- c) the impact of the growing demand of machine-to-machine and Internet of Things services for international telecommunication NNAI resources;
- d) the ongoing cooperation between ITU-T and several consortia and standards entities in the allocation and management of international telecommunication NNAI resources as referred to in Supplement 3 to the ITU-T A-series Recommendations;
- e) that the assignment of international mobile subscriber identity numbers has become more dynamic with technological advancements, e.g. embedded SIM cards,

resolves to instruct the Director of the Telecommunication Standardization Bureau

- 1 before assigning, reassigning and/or reclaiming international telecommunication NNAI resources, to consult:
 - i) ITU-T Study Group 2 to clarify requirements as specified in relevant ITU-T Recommendations in order to provide advice to the Director of TSB, according to the mandate of Study Group 2; and
 - ii) the relevant administration(s); and/or
 - iii) the authorized applicant/assignee when direct communication with TSB is required in order to perform its responsibilities;

in the Director's deliberations and consultations, the Director will consider the general principles for the allocation of NNAI resources, and the provisions of the relevant Recommendations in the ITU-T E-, ITU-T F-, ITU-T Q-, ITU-T X- and ITU-T Y-series, and those to be further adopted;

2 in close collaboration with ITU-T Study Group 2, and any other relevant study groups, to follow up with the administrations involved on the misuse of any international telecommunication NNAI resources, and inform the ITU Council accordingly;

3 to encourage ITU-T Study Group 2 to coordinate with all relevant study groups when studying the impact of new and emerging telecommunications/ICTs on the allocation and management of international telecommunication NNAI resources, including for the provision of non-telecommunication services;

4 to take the appropriate measures and actions where ITU-T Study Group 2, in liaison with the other relevant study groups, has provided information, advice and guidance in accordance with *resolves to instruct the Director of the Telecommunication Standardization Bureau* 2 and *instructs Study Group 2 of the ITU Telecommunication Standardization Sector* of this resolution,

instructs Study Group 2 of the ITU Telecommunication Standardization Sector

1 in liaison with other relevant study groups, to provide the Director of TSB with advice on technical, functional and operational aspects in the assignment, reassignment and/or reclamation of international telecommunication NNAI resources in accordance with the relevant ITU-T Recommendations, taking into account the results of any ongoing studies, information and guidance in cases of reported complaints about misuse of international telecommunication NNAI resources;

2 to continue to study necessary action to ensure that the sovereignty of ITU Member States regarding country-code NNAI plans is fully maintained, as enshrined in Recommendation ITU-T E.164 and other relevant ITU-T Recommendations and procedures; this shall cover ways and means to address and counter any misuse of any international telecommunication NNAI resources,

invites Member States

to participate in relevant activities in ITU-T study groups and share their experiences regarding the implementation of this resolution.