

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

WORLD TELECOMMUNICATION STANDARDIZATION
ASSEMBLY

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Resolution 60 – Responding to the challenges of the evolution of the numbering system and its convergence with IP-based systems/networks

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, 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.

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RESOLUTION 60

Responding to the challenges of the evolution of the numbering system and its convergence with IP-based systems/networks

(Johannesburg, 2008)

The World Telecommunication Standardization Assembly (Johannesburg, 2008),

recognizing

- a) Resolution 133 (Rev. Antalya, 2006) of the Plenipotentiary Conference, with regard to the continuing progress towards integration of telecommunications and the Internet;
- b) Resolution 101 (Rev. Antalya, 2006) of the Plenipotentiary Conference, in particular:
 - i) that the increased use of the Internet introduces new, additional applications in telecommunication services, based on its highly advanced technology;
 - ii) that studies are ongoing in the ITU Telecommunication Standardization Sector (ITU-T) on IP-based network issues, including service interoperability with other telecommunication networks, numbering, signalling requirements and protocol aspects, security and infrastructure component costs, and issues associated with the evolution to next-generation networks (NGN), including the migration from existing networks to NGN;
 - iii) the *resolves* paragraph to the effect that ITU shall fully embrace the opportunities for telecommunication/information and communication technology development that arise from the growth of IP-based services;
- c) the evolving role of the World Telecommunication Standardization Assembly, as reflected in Resolution 122 (Rev. Antalya, 2006) of the Plenipotentiary Conference,

noting

- a) the trial work in Study Group 2, i.e., investigating the evolutionary aspect of the numbering system, including the "future of numbering", considering NGN as the working environment of the numbering system in the future;
- b) the emerging issues concerning administrative control for international telecommunication service-based numbers;
- c) the forthcoming issues on the convergence of numbering, naming, addressing and identification systems along with the development of NGN, and associated issues on security, signalling, portability and migration;
- d) the lack of principles, or of a roadmap, for the evolution of international telecommunication resources, which would be expected to help the timely, predictable deployment of advanced identification technologies,

resolves to instruct Study Group 2, within the mandate of ITU-T

- 1 to study, in liaison with the other relevant study groups, the necessary requirements for the structure and maintenance of telecommunication identification/numbering resources in relation to the deployment of IP-based networks and the transition to NGN;
- 2 to ensure the development of the administrative requirements for identification/numbering resource management systems in NGNs;

3 to develop guidelines, as well as a framework, for the evolution of the international telecommunication numbering system and its convergence with IP-based systems, in coordination with related study groups and associated regional groups, so that a basis for any new application can be provided,

instructs relevant study groups

to support the work of Study Group 2, to ensure that such applications are based on appropriate guidelines, as well as a framework, for the evolution of the international telecommunication numbering system, and to help investigate their impact on the numbering system,

instructs the Director of the Telecommunication Standardization Bureau

to take appropriate action to facilitate the foregoing work regarding the evolution of the numbering system or its converged applications,

invites Member States and Sector Members

to contribute to these activities, taking into consideration their national concerns and experiences.