MOD APT/37A12/1

RESOLUTION 60 (Rev. Geneva, 2022)

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

(Johannesburg, 2008; Dubai, 2012; Geneva, 2022)

The World Telecommunication Standardization Assembly (Geneva, 2022),

recognizing

*a)* Resolution 133 (Rev. Dubai, 2018) of the Plenipotentiary Conference, with regard to the continuing progress towards integration of telecommunications and the Internet;

*b)* Resolutions 101 and 102 (Rev. Dubai, 2018) of the Plenipotentiary Conference;

*c)* the evolving role of the World Telecommunication Standardization Assembly, as reflected in Resolution 122 (Rev. Guadalajara, 2010) of the Plenipotentiary Conference,

noting

*a)* the work in Study Group 2 of the ITU Telecommunication Standardization Sector (ITU‑T), on investigating the evolutionary aspect of the identification/numbering system, including the "future of numbering", considering next-generation networks evolution (NGNe) and networks beyond IMT-2020 as the working environment of the identification/numbering system in the future;

*b)* the work in Study Group 13 of ITU-T, on investigating the upcoming network technologies for networks beyond IMT-2020, with Information Centric Networking (ICN) being considered as a potential networking scheme;

*c)* that the transition from traditional networks to IP-based networks is taking place at a fast pace, whilst there is a transition to NGNe and networks beyond IMT-2020;

*d)* the emerging issues concerning administrative control for international telecommunication service-based numbers;

*e)* the forthcoming issues concerning the convergence of numbering, naming, addressing and identification systems along with the development of NGNe and networks beyond IMT-2020, and associated issues concerning security, signalling, protocol, portability and migration;

*f)* the growing demand for identification/numbering resources for communications referred to as Internet of things (IoT);

*g)* the need for principles and a roadmap for the evolution of international telecommunication resources, which would be expected to help the timely, predictable deployment of advanced identification/numbering technologies,

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

1 to continue studying, 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 NGNe and networks beyond IMT-2020;

2 to ensure the development of the administrative requirements for identification/numbering resource management systems in NGNe and networks beyond IMT-2020;

3 to continue developing guidelines, as well as a framework, for the evolution of the international telecommunication identification/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;

4 to study the role of new technologies related to the evolution of the identification/numbering system;

5 to promote the coordination and cooperation on identification/numbering in various study groups of ITU-T, and with other standards development organizations (SDOs),

instructs relevant study groups, and in particular ITU-T Study Group 13

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 identification/numbering system, and to help investigate their impact on the identification/numbering system in the aspects of requirements, architecture, signalling, and protocol of network, especially for NGNe and networks beyond IMT-2020,

instructs the Director of the Telecommunication Standardization Bureau

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

invites Member States and Sector Members

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

2 to participate in and to contribute to regional groups discussing the identification/numbering issues and to promote the participation of developing countries in those discussions.