

I n t e r n a t i o n a l T e l e c o m m u n i c a t i o n U n i o n

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

WORLD TELECOMMUNICATION STANDARDIZATION
ASSEMBLY

Hammamet, 25 October – 3 November 2016

**Resolution 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**

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.

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.

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RESOLUTION 45 (Rev. Hammamet, 2016)

Effective coordination of standardization work across study groups in the ITU Telecommunication Standardization Sector and the role of the ITU Telecommunication Standardization Advisory Group

(Florianópolis, 2004; Johannesburg, 2008; Dubai, 2012; Hammamet, 2016)

The World Telecommunication Standardization Assembly (Hammamet, 2016),

noting

- a)* that the ITU Telecommunication Standardization Sector (ITU-T) is the pre-eminent global standardization body, comprising administrations, equipment vendors, operators and regulators;
- b)* that, under Article 17 of the ITU Constitution, ITU-T, bearing in mind the particular concerns of the developing countries¹, shall fulfil the purposes of the Union by studying technical, operating and tariff questions and adopting Recommendations on them with a view to standardizing telecommunications on a worldwide basis;
- c)* that, under Article 13 of the ITU Convention, the World Telecommunication Standardization Assembly (WTSA) is required, *inter alia*, to approve the programme of work for ITU-T for each study period and to determine the priority, urgency, estimated financial implications and time-scale for the completion of studies,

considering

- a)* Resolution 122 (Rev. Guadalajara, 2010) of the Plenipotentiary Conference, which resolves that WTSA shall adequately address strategic issues in standardization, and encourages Member States, ITU-T Sector Members and study group chairmen and vice-chairmen to concentrate, *inter alia*, on the identification and analysis of strategic issues in standardization in their preparations for WTSA so as to facilitate the work of the assembly;
- b)* that the interests of developing countries are promoted by ensuring a coordinated approach to standardization where strategic standardization issues are concerned;
- c)* that WTSA has agreed to a new ITU-T study group structure and improvements to ITU-T's working methods that will assist ITU-T in meeting the standardization challenges of the 2013-2016 study period,

recognizing

- a)* that effective coordination between study groups is critical to ITU-T's ability to meet emerging standardization challenges and the needs of its membership;
- b)* that ITU-T study groups are responsible for developing Recommendations on technical, operating and tariff questions on the basis of contributions submitted by the membership;
- c)* that the effective coordination of standardization activities would assist in meeting the objectives of Resolution 122 (Rev. Guadalajara, 2010) and Resolution 123 (Rev. Busan, 2014) of the Plenipotentiary Conference;

¹ These include the least developed countries, small island developing states, landlocked developing countries and countries with economies in transition.

d) that operational coordination can be effected by means of joint coordination activities (JCA), joint rapporteur group meetings, liaison statements between study groups and the study group chairmen's meetings organized by the Director of the Telecommunication Standardization Bureau;

e) that effective coordination is facilitated by taking a top-down approach to the coordination of work between study groups, including the identification of linkages between related work items;

f) that the Telecommunication Standardization Advisory Group (TSAG) can play an important role in ensuring cross-study group coordination on standardization issues, including the measurement of standardization progress against agreed milestones;

g) that it is appropriate for WTSA, as the highest body in ITU-T, to identify strategic standardization issues for each study period,

bearing in mind

that the coordination of standardization activities is particularly important for high-priority standardization issues, including, for example:

a) next-generation networks (NGN) evolution and future networks (FN);

b) security (including cybersecurity);

c) telecommunications for disaster relief systems, including network resilience and recovery;

d) smart grid and home networking;

e) intelligent transport systems (ITS);

f) Internet of things (IoT)/machine-to-machine (M2M) communication;

g) cloud computing;

h) Internet-related issues;

i) conformance and interoperability (C&I) testing,

emphasizing

that coordination should serve to improve the effectiveness of ITU-T activities and should not limit the authority of each study group to develop Recommendations based on contributions from the membership,

resolves

that the coordination of ITU-T activities in regard to high-priority standardization issues and work related to more than one study group should ensure:

- i) the identification of high-level objectives and priorities for ITU-T studies from a global viewpoint;
- ii) cooperation between study groups, including the avoidance of duplication of work and the identification of linkages between related work items;
- iii) the planned coordination of time-frames, deliverables, objectives and milestones for standardization activities;
- iv) that the interests of developing countries are taken into account and that their involvement in these activities is encouraged and facilitated;
- v) cooperation and coordination with the ITU Radiocommunication and Telecommunication Development Sectors and with other, external, standardization bodies,

instructs the Telecommunication Standardization Advisory Group

1 to take an active role in ensuring coordination among study groups, particularly on high-priority standardization issues that are being studied in more than one study group, including:

- i) to consider the work of any JCAs, and also recommend the establishment of such activities, if appropriate, and to invite coordination groups to hold the necessary meetings to achieve the objectives set for them;
- ii) to identify requirements and provide determination on appropriate changes to be made where overlapping issues arise, which includes, but is not limited to, assignment of a mandate to a study group to lead on coordination work;
- iii) to advise on further improvements to working methods of the joint coordination activities;

2 to take into account, and implement as necessary, advice given to TSAG by other groups established in the interests of effective coordination on high-priority and joint standardization topics.