Resolution 7– Collaboration with the International Organization for Standardization and the International Electrotechnical Commission

Essence of the Resolution

Objective is to improve cooperation and collaboration with IEC and ISO:

- the need for mutual agreements on many areas of standardization activity of common interest;
- the existing cooperation within the framework of the World Standards Cooperation (WSC), established in 2001 by ITU, ISO and IEC in order to advance the development of voluntary consensus-based international standards in ITU, ISO and IEC;

Aims to strengthen the cooperation and collaboration amongst ITU, IEC & ISO towards holistic alignment and harmonization of standards and other initiatives.

Limitations of the resolution

- Currently, the Recommendation ITU T A.23 and the Guidelines for Cooperation therein are applicable to joint development of Common Text International Standards and Recommendations between ITU & ISO/IEC JTC1 and does NOT cover any IEC and/or ISO entities.
- with the ever-increasing pervasiveness of telecommunications in all the application domains in the industry, business and society, limited cooperation is sub optimal…

A more comprehensive and inclusive approach is crucial for joint development of International Standards

Modifications proposed

- to extend the application of Recommendation ITU T A.23 and the Guidelines for Cooperation therein beyond ISO/IEC JTC1 entities to include ISO and IEC entities comprehensively.

- Objective is to make this resolution more widespread and inclusive of all the standardization work across the IEC and ISO beyond ISO/IEC JTC1.

Resolution 50 – Cybersecurity

Essence of the Resolution

Objective is to protect global telecommunication/ICT infrastructures from the threats and challenges of the evolving cybersecurity landscape:

• Cybersecurity is a cross-cutting issue, and the cybersecurity landscape is complex and dispersed, with many different stakeholders at the national, regional and global levels with responsibility for identifying, examining and responding to issues related to building confidence and security in the use of ICTs;

•f) Considerable and increasing losses which users of telecommunication/ICT systems have incurred from the growing problem of cybersecurity alarm all developed and developing nations of the world without exception;

Aims to develop a wholistic set of Recommendations and guidelines to ensure comprehensive cyber security and cyber resilience of the Telecommunication and ICT Infrastructure…

Limitations of the resolution

• Currently, the Resolution 50 and other relevant resolutions only focus on Security, Privacy and a few other related aspects for the Telecommunication and ICT infrastructures and do NOT address many other crucial attributes that are covered under the newly evolved much larger and nuanced paradigm of TRUSTWORTHINESS.

• Trustworthiness corresponds to the ability to meet stakeholders' expectations in a verifiable way. Depending on the context or sector, and also on the specific product or service, data, and technology used, different characteristics apply and need verification to ensure stakeholders' expectations are met.

A more broad based and inclusive set of Attributes/characteristics is crucial for addressing the domain and context dependent concerns of the stakeholders to ensure any system's wholistic trustworthiness in a verifiable manner.

Modifications proposed

• To broad base the Title and Scope of SG 17 – **"Cybersecurity & Trustworthiness"** to cover the more comprehensive and inclusive paradigm of Trustworthiness.

• Trustworthiness can be viewed as a Systems Engineering concept that covers all the attributes that are involved in having stakeholders 'trust' in a given system.

• Characteristics of trustworthiness include - Reliability, Availability, Resilience, Security, Privacy, Safety, Accountability, Transparency, Integrity, Authenticity, Quality, Usability and Accuracy…

• Objective is to make the Telecommunication Networks, Digital Infrastructures and Digital Systems comprehensively TRUSTWORTHY.