

ITU-T Workshop

“Reform of technical Regulation: International Experience of standardization in the field of Communication”

Abstract

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Title of Presentation: Standardization in the field of radiation protection

Because of fast development of radiocommunication services there is a big increase in number of transmitting equipment used, which cause questions concerning public safety and influence on human health. In this field ITU-T SG5 is preparing Recommendations, which give guidance to telecommunication operators and administrations on evaluation radiation levels around transmitting and base stations with many radiating sources representing different radiocommunication and broadcasting systems. ITU-T also gives guidance concerning best practice and mitigation techniques in the radiation protection near transmitting stations. In presentation current ITU-T SG5 works in this area are described with additional information about current knowledge in this subject, practical cases, results of investigations and main problems and tasks.

ITU-T SG5 activity is complementary to those made by other entities: in the field of assignment of the exposure limits (WHO, ICNIRP), standardisation for measurements, calculations and requirements for different products (IEC, CENELEC), research (WHO, COST281).

It is stated that the main goal of activity in this field is to establish the science and health based EMF standards that provide appropriate level of health protection.