

Terms and Definitions in the Area of Infocommunication

Peter Voribiyenko, Lesya Nikityuk

Abstract - The papers studies definitions and interpretations of new terms, widely used in the network industry today and reflected its new progressive scientific trends.

Keywords – info-communication, info-communication network, info-communication service.

I. INTRODUCTION

In the certain sense the formation of terms is evolutionary and similar to the development of communication field. So, the info-communication technologies and the convergence of communication and information science have generated a concept “info-communication” so often used in modern technical literature and still not standardized. To draw up the thesaurus in the info-communication field it’s reasonable to determine the basic concepts that define the research matter of the info-communication field experts. For this purpose we consider the basic terms such as “info-communications”, “info-communication network”, “info-communication technologies” and “info-communication service”

II. BASE TERMS AND DEFINITIONS

The term “info-communication” dominates upon the discussion of state-of-the-art in science and technology, topics for Information society development and the specification of trends for many scientific and technological conferences in the telecommunication field [1-3]. This term plays an important role also in the specifying the orientation upon the education of new generation of telecommunication engineers [4]. However, despite of wide spread and demand, this term still has no an unambiguous and exact definition and misses in the ITU terminology data base.

Odessa National Academy n.a. A.S. Popov of Telecommunication is a leading Ukrainian Technical University in the education standardization for Bachelors, Graduates and Masters in the telecommunication field and deals in development and clarification of terminology in the field of telecommunication, particularly, in the info-communication field. All definitions concerning the terms to be clarified and introduced were widely discussed on the international conferences of telecommunication scientists, teachers and experts.

It is suggested below definitions, that specify the basic concepts and the subject of studies of experts in the info-communication industry.

The info-communication is a set of facilities for the processing, accumulation, storage and transfer in the space

Peter Voribiyenko, Lesya Nikityuk - Odessa National Academy of Telecommunication, Kovalska Str., 1, Odessa , 65021, UKRAINE,
E-mail: Vorobyenko@onat.edu.ua

of information that are implemented into the entire telecommunication network structure providing the accessibility of information resources and the information exchange.

The term “info-communication” in its conceptual meaning generate a set of derivative terms: “info-communication network” as a physical object, “info-communication technologies” as a set of methods and means providing operation of telecommunication network and “info-communication service” as a product of network operation. However, still there are no standardized definitions of these common used concepts. Therefore we suggest the following interpretations.

The info-communication technology is a set of the methods and facilities for the processing, accumulation, storage, representation and integrity provision of information as well as the realization means for the information space transfer modes that provide the guaranteed quality level of service.

The info-communication network is a set of the geographically distributed information resources, computation resources, software control complexes allocated in the network end systems and terminal systems of users, interaction between which is provided by the telecommunications and which jointly form the integrated multiservice platform.

The info-communication service is a multiservice providing the satisfaction of the telecommunication and/or information requests of a customer and enabling him to participate in the control of the service realization process.

III. CONCLUSION

The questions of correct using terms are specially actual for science and technology development and in training modern specialists of communication brunch.

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