IT&C DIMENSION OF THE CRITICAL INFRASTRUCTURE IN THE MODERN SOCIETY

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Rezumat: *Deşi binomul comunicaţiile şi tehnologia informaţiei este de provenienţă foarte recentă relativ la scara istoriei umanităţii, apreciem că de-a lungul dezvoltării societale a omului, existenţa şi calitatea comunicării au fost determinante pentru succesul evoluţiei umane. Iniţial, comunicarea s-a realizat îndeosebi prin intermediul limbajului şi scrisului, acţiuni ce aveau drept scop transmiterea de informaţii. O dată cu inventarea mijloacelor moderne de comunicare (telefonul, radioul, reţelele de calculatoare), schimbul de date şi informaţii a putut fi realizat aproape instantaneu la distanţe foarte mari şi într-un volum foarte mare. Beneficiile aduse omenirii de comunicaţii şi tehnologia informaţiei sunt indiscutabile şi au devenit un important factor de progres. Societăţile ce deţin reţele de comunicaţii şi calculatoare extinse sunt axiomatic şi cele mai dezvoltate.*

Abstract: *Although the information technology and communications binomial has a very recent origin in the humankind history, we consider that the existence and the quality of the communication are decisive for the success of the human evolution, throughout its social development. Communication was initially performed by the means of language and writing, two actions with the purpose of transmitting information. Once the modern means of communication were invented and developed (phone, radio, computer networks), the flows of data and information have been done almost in real time at very long distances and in great capacity. The advantages brought to the humankind by the information technology and communications are beyond any doubt and turn into an important ingredient of progress. Societies with extended networks of computers and communications are axiomatic the most developed.*

Keywords: IT&C, information technology and communications, critical infrastructure, cyber attacks

1. Introduction

As the technological development inflicted the people's addiction to the computers and means of communications, both in personal and economic activity, the IT&C field became important and a sensitive resource for the modern society. We can assert that the information technology and communications come across the most of the activities carried out by the present-day persons, thus the security of the IT&C field is one of the intrinsic condition for the normal and safe social life, and one of the infrastructure element of the society.

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