

## **SPECIAL AND MILITARY COMMUNICATIONS AND INFORMATION SYSTEMS AS VITAL PART OF THE CRITICAL INFRASTRUCTURES IN ROMANIA. SECURING THEIR PHYSICAL AND INFORMATIONAL PROTECTION**

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**Rezumat.** *Articolul prezintă câteva argumente asupra necesității studiului infrastructurilor critice din România, incluzând diferite sisteme și rețele de comunicații și informatice militare și speciale. Se evidențiază rolul și locul unor astfel de sisteme și rețele - resurse vitale pentru buna funcționare a societății (asigurarea siguranței vieții cetățenilor, a bunurilor materiale de bază, a serviciilor publice cele mai importante), precum și câteva măsuri care trebuie luate pentru protecția fizică și informațională, în cazul unor acțiuni militare ostile, al dezastrelor naturale sau al altor fenomene negative. În final, se formulează câteva concluzii și propuneri.*

**Abstract.** *The article presents several arguments on the need to study the critical infrastructure in Romania including various systems (networks) and special military communications. It emphasizes the role and place of such systems and networks to provide national defense and security and the risks and vulnerabilities faced by these infrastructures, and some necessary measures to be taken for the physical and informational protection in the case of hostile military actions, natural disasters or other negative phenomena. Finally some conclusions and proposals are formulated.*

**Keywords:** *Systems, Special Military Communication, National Defense and Security*

### **1. Arguments for approaching this topic**

**Critical infrastructures** – vital resources for the good functioning of the society (ensuring the citizens life security, of the basic material goods, of the most important public services) have been for a number of good years in the attention of the political, economic and military leaders in several countries in the world and has become the object of studies, plans and actions of some international organizations (UN, NATO, EU).

The concept of „**critical infrastructure**” was officially used in July 1996, in the United States, in the preamble of a normative act elaborated by the White House, entitled: **Executive Order Critical Infrastructure Protection.**

Considering that security, economy and even survival of the industrialized world would be dependent on three key closely inter-related<sup>1</sup> elements: **energy**,

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