NETWORK-CENTRIC WARFARE AND NETWORK ENABLED CAPABILITY IMPLICATIONS OVER THE C4ISR TYPE INFORMATION NETWORKS IN THE ROMANIAN ARMED FORCES

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Abstract: The last two decades mark out the humankind evolution toward the Information Age, a new stage of societal development where the modern society is affected, among other factors, by the explosive technological changes. Within the context, technology represents the main changing driver. To be more specific, small innovations appeared in the information technology and communications are considered to be responsible for the global transformations in the economy, politics or culture structure. This assertion also extends its validity over the military phenomenon, which is just another human behavior. The use on large scale of the information technology and communications led to a cybernetic battlefield and the change of the waging war philosophy, with the arising of new concepts that better describe the new reality: Network Centric Warfare, and Network Enabled Capabilities.

1. Introduction

In our opinion the conflicts' physiognomy of the end of 20th century and beginning of 21st century have radically changed. The complex set of factors which personalize the conflicts include particular political and economical, and strategic situations, new political and strategic goals, new objectives, specific action forces and means, a different conception and intensity, a new attitude against the opponent, different action spaces, a comprehensive variety of dominant action types, and ever more sophisticated and unexpected ways of violence outburst. The world of these conflicts is a world of the asymmetric confrontations.

Out of the main features of the actual and future military conflicts it is worth to mention the following[1]:

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