# CYBER SECURITY

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# Introduction

Today telecommunication, computer science, electronic media, that is the increasingly wide-scale use of information technology have become one of the primary factors of social development. They saturate all strata of society and their interrelations thus assisting the provision of information necessary for successful operation and dynamic development. The use of modern means of information provision in preparing and implementing decisions is inevitable both in civil and military fields of activities.

Similarly to civil life, computers and computer networks are widely used in military activities as well in many different ways therefore it is very important to focus on the security of such devices and systems. This is how cyber security entered military and nowadays the phenomenon of cyber warfare is comprehensively discussed.

In accordance with the facts mentioned above the main aim of this learning material is to provide the students with basic knowledge on cyber security.

In the present material, the fundaments of cyber security are introduced along with the fundaments of information society, its information infrastructure, cyber-attacks, and the complex information security. National and international cyber security organisations are also introduced. International cyber security standards are given special focus. Finally, an insight in the most crucial cyber security tools is provided.

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