THE CYBER CRIMES - MODERN THREAT FOR THE NATIONAL INFORMATION INFRASTRUCTURE

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ABSTRACT

The National Information Infrastructure is the nationwide interconnection of communications networks, computers, databases and consumer electronics that make vast amounts of information available to users. The national information infrastructure also comprises the critical infrastructure, which is deemed critical because its incapacitation or destruction would have a debilitating impact on the national security, and the economic and social welfare of the nation. The history of information security begins with computer security. The need for computer security is the need to secure physical locations, hardware and software from threats. As global networks expand the interconnection of the world's information system, the smooth operation of communication and computing solutions becomes vital. However, recurring events such as cyber crimes illustrate the weaknesses in current information technologies and the need to provide heightened security for these systems. The approach how criminals commit crimes has also changed. Digital general approach has opened new opportunities for criminal behavior. Computers and different networks can be used to attack victims or to prepare global violent acts such as terrorist particular among other. In absence of technology and trained personnel to deal with this new threat known as cyber crime, the security agencies are challenged by specialized cyber offenders which are known as hackers because apart from managing to break into state institution websites they are able to have unauthorized access to information classified as state secret and top-secret.
Due to the global nature of the security of information, the general action in preventing and combating threats from cyber crime, consists on building bridges of cooperation and coordinated action of all countries in order to set international standards in the field of defense the security of information systems. In this paper, among others I will present the definition of the cyber crimes, global aspects of the National Information Infrastructure, components of the security of information, cyber crime strategy and recommendations.

Keywords: Information, security, threat, computer, crime, cyber.