

Active Cyber Defense within the Concept of NATO's Protection of Critical Infrastructures

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Abstract : Cyber-attacks pose a serious threat to all states. Therefore, states constantly seek for various methods to encounter those threats. In addition, recent changes in the nature of cyber-attacks and their more complicated methods have created a new concept: active cyber defence (ACD). This article tries to answer firstly why ACD is important to NATO and find out the viewpoint of NATO towards ACD. Secondly, infrastructure protection is essential to cyber defence. Critical infrastructure protection with ACD means is even more important. It is assumed that by implementing active cyber defence, NATO may not only be able to repel the attacks but also be deterrent. Hence, the use of ACD has a direct positive effect in all international organizations' future including NATO.

Keywords : active cyber defence, advanced persistent treat, critical infrastructure, NATO

Conference Title : ICSRD 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020