

Digital Economy: Vulnerability to Network Attacks and Opportunities for Sustainability Management

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Abstract

The creation of a System of Security Systems for objects in the digital economy ("large data" technologies, quantum computers, digital enterprises, elements of artificial intelligence, etc.) is being considered. In this case, information-computational hyperconvergent matrices are used, which ensure a stable convergence of the processes of solving the problems of ensuring the security of such objects to specified goals. Objectives can cover issues of preventing contingencies in the management systems of organizational structures of various profiles that use intelligent management services. The tools of situational awareness, network expertise and cognitive modeling are used. Hyperconvergent matrices allow you to manage emergent effects that arise in the system of protection systems. They are included in the process of network situation analysis to identify explicit and implicit (latent) characteristics of their functioning and management in relation to objects in the digital economy. The systemic outcome of the proposed approach is the stable, purposeful functioning of the entire digital economy of our country.