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Critical Infrastructure in Air Traffic Management System

Abstract: The paper is dedicated to the analysis of air traffic management systems in the context of critical infrastructure, as a necessary requirement for safe, regular and expeditious air navigation. The results of the analysis of relevant legal and professional documents in field of air navigation and the protection of critical infrastructure, the functional systems analysis and statistical analysis of data on threats and changes of air traffic provide an answer to the research question of the determination of this system in national and European critical infrastructure, in relation to its supranational character within the 'Single European Sky' regulatory framework.

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A Model of Security Management System for Transportation Systems

Abstract: The Transportation Systems Sector, a sector that comprises all modes of transportation (aviation, maritime, mass transit, highway, freight rail, and pipeline), is a vast, open, interdependent networked system that moves millions of passengers and millions of tons of goods. The transportation network is critical to both our way of life and economic vitality. Ensuring its security is a mission charged to all sector partners, including governments (national, regional, local) and private industry stakeholders. Transportation systems represent an important part of critical infrastructure. The security and safety of transportation influence all other social and industrial processes. Disruption of this system causes disruptions in all other segments of social life. Specific characteristics of this system which influence its security are: easy accessibility, interconnection and vastness. Hence, the tolerance of this system to malfunctions and security and safety risks is very low. In order to achieve security and safety, along with reliability, efficiency and punctuality of these systems we need to consider applying an

integrated approach to security and safety management systems. Like many other critical infrastructure sectors, the Transportation Systems Sector faces a dynamic landscape of potential natural disasters, accidents, and terrorist attacks. The terrorist threat poses special challenges. Taken together, the risk from terrorism and other hazards demands a coordinated approach involving all sector stakeholders. Stakeholders throughout the sector have been and continue to be actively developing methods to improve their operational security and overall resilience. However, since the Transportation Systems Sector is segmented by individual modes, an increased emphasis is needed on a risk-based approach across the entire transportation spectrum. Security management systems, by integrating security awareness throughout the organization and verifying compliance through quality assurance, can be a significant force in achieving the highest possible level of regulatory compliance. Specific security practices, training and audit functions within a security management system should all be built so as to ensure compliance with applicable national transportation security programs. As an attempt to deal with these problems, this paper presents an integrated approach to safety and security and a model of safety and security management system for transportation organizations.

Keywords: *security, safety, management, transportation, safety and security management system*

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Social Capital – Security Factor of National Infrastructure

Abstract: In times of great crisis and profound social changes, such as in the state of Serbia, a country currently undergoing a period of transition, there is a need to analyze the entire infrastructure that underlies its development. However, it is the intention of this paper to analyze the security of the society and the state in terms of social capital, based primarily on its expected social functions, and then on its condition and involvement in finding solutions for the security of national and regional infrastructure, by empirical analysis of capital in determining the direction and focus of future activities. Trying to analyze this problem in terms of volume, space and time, is one of the most complex types of social change, with the scope and depth on turn of the XXI century surpassing all expectations. It is a process that results in optimism being quickly transformed into social crisis, thus leading to great discontent. The security disparity that exists between the high hopes of the new changes and the perception of the objective situation in the new reality has been marginalized by the power of knowledge in political practice. In parallel, there have been manifestations of different forms of social discontent and of other groups in public, no recognition of the role and activity of social capital - particularly its intellectual part–for the higher level of security and social development, whether it be on a national or a wider scale. In this regard, attention will