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Building a Decisional Model in a Complex Socio-Technical System

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Abstract
Nowadays, the society is dominated by fast development of computer networking and by the integration of Internet services at every organizational level. The success of an organisation depends largely on the quality and the quantity of information that's available in order to make decisions capable to respond fast to the current requirements. The need of a collaborative environment within the central administration, leads to the consolidation and unification of the resources around the Center of the Government, together with the main objectives for increasing the quality and efficiency of the decision making process and decreasing the time allocated for the decision making process, developed for the improvement of the decision making process. The institutional analyze and definition of informational architecture in an organization (up to the last level), together with the complete utilization of informational resources and infrastructure contributes at growing the quality of the information and services offered by that organization. Defining of working models by integration all components (hardware and software) within the complex systems of great functional responsibility leads to a higher efficiency of the ratio of costs and expenses. Defining a hierarchical structure of infrastructure in an organization (on different levels of importance and criticality) and consistent implementation of security policies in a computer system lead by default to a reduction in costs related to performance, safety and maintenance thereof. To create a real basis of decision should be taken into account, above all, achieving an integrated infrastructure application. Developing advanced software tools for integrating and aggregating information should be main strategy of the organizational information architecture. Decisional strategy based on a system complex / critical must always pay attention to the context from that moment and to trends of development a decisional system.

Keywords: management, strategy, decision, complex systems, infrastructure, e-government, information society, government platform, public administration, standards, e-government, government infrastructure

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