

## **Serbia: Services oriented telecommunication infrastructure in Elektrovojvodina DSO**

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Specificity of Elektrovojvodina is reflected in the great diversity of implemented services, their number and territorial indentation. Infrastructure which should enable their implementation must be such to support them all. In the construction and development of telecommunication infrastructure it is tried not only to meet current needs, but to build a network, keeping in mind the designed capacities and services in the upcoming period.

This paper presents experience, of the authors, Slavko Dubackic and Aleksandar Boskovic from "Elektrovojvodina" d.o.o, in the field of development of the company's information and communication infrastructure, Elektrovojvodina, which was built in order to ensure smooth and simultaneous real-time functioning, business, communication, control - management and other services within its system.

This paper shows some elements of TC infrastructure of Elektrovojvodina. The desire is to point to a growing range of different requirements that are set in front of the ICT (information and communication technology) infrastructure. As a solution, there is the construction of multi-service telecommunications infrastructure that has built-in mechanisms of providing quality transmission path for all services / applications that have been implemented at a particular location.

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At the beginning is particularly emphasized that, one of the main objectives of the ICT infrastructure, is ensuring of high-quality continuity of operational and technical processes. Technical solutions exist, security concerns are increasingly important, and economic factors and analyzes indicate that it is profitable for electricity distribution companies.

In accordance with the changes that occur in EPS power distribution companies will devote increasing attention to the electricity distribution system and its management. More services will have to be in real-time, all will need to be on-line. The reaction to the outages of power system will have to be faster, and more power system elements real-time/on-line monitoring will be requested. TC infrastructure will have to respond to such requests, which are reflected in a growing number of implemented services and increased flows.

In the information and communication technologies is difficult to talk about what will happen in the future and how quickly changes would occur. Only can be discussed about the

currently applicable concepts and mechanisms. However, certain planning, at least on the conceptual level, should be developed. One of those planning is the development trend of ICT solutions in the form of multi-service oriented architectures. Here mentioned concepts and applied solutions in Elektrovojvodina, according to the authors of this document, may/should be applied in other companies, transmits Serbia-energy.eu