

INTEGRATION OF CONTROL AND PROTECTION SYSTEMS IN POWER NETWORKS

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This paper describes the development of substation communication protocols from the Estonian point of view. The usage of IEC 61850 and other communication protocols based on TCP/IP+Ethernet are discussed among other topics. Relay settings and disturbance recorders could be accessed from the Internet Explorer via local intranet connection. The first project in Estonia is already connected to this network. This provides a very easy and efficient solution for relay engineers for fast fault analysis. The communication port for this system is separate from the communication port to the SCADA for redundancy reasons.

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