

Coordination of the emergency control with the stability control system.

Govorun M. N., Goryachevskii K. S., Mikhaylenko A. F., Satsuk E. I., Sinyanskii I. V.

The stability control system calculates the permissible active power flow in the controlled section of the electrical network in real-time mode. The calculated values may differ from those used as the settings of the power overload automatics, leading to excessive operation of the automatics device. A method for coordinating the operation of those systems is proposed: the system calculates the emergency permissible flow for the current operating mode of the power system and transfers the setting to the power overload device via the communication channel.

Keywords: electric power systems, relay protection, emergency automatics.