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Evolution of stability margin monitoring system with control of dynamic stability for taking into account emergency automatic actions.

Stability margin monitoring system (SMZU) is designed to determine the maximum allowable and emergency permissible active power flow across the controlled cross-sections with taking into account emergency actions of power system automatic. Currently SMZU is located in the industrial and experimental operation in a number of dispatch centers of JSC «SO UES».

Keywords: stability margin monitoring system, static and dynamic stability, simulation dynamic transition process.

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