

Technical sciences. V.M. Avramenko, V.L. Prykhno, O.V. Martynyuk, N.T. Yuneeva. **Adaptive means for ensuring sustainability and vitality of the united power system of Ukraine.** - /Institute of Electrodynamics of NAS of Ukraine/. - Kyiv. TOV Artmedia print, 2016. - 100 p. - 300 copies. ISBN-9789669745347.

The monograph presents the results of studies of adaptive means for ensuring sustainability and viability of the interconnected power utilities: emergency automatics for preventing static instability of post-emergency state of the UPS of Ukraine on the example of the Southern region, the adaptive versions of the automatics of the frequency offloading of power systems, means to support operational activities of a dispatcher in emergency

situations, as well as the methods of monitoring the static stability level of the interconnected power utilities based on a calculation of the damping of oscillation of active power along the power transmission lines.