

Development and testing of new version monitoring system algorithms of power plants automatic regulation systems.

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The history of the development of the monitoring system of system regulators is described. The development and testing of algorithms of the monitoring system criteria from the standpoint of system requirements for the control systems of generators and power plants were carried out. The technical feasibility of implementing methodological solutions for the creation of a monitoring system for automatic excitation systems, governors, group regulators of active power and group regulators of voltage and reactive power was confirmed, the criteria algorithms were adjusted until the desired result of the monitoring system functioning in the layout conditions.

Key words: monitoring system, excitation system, automatic control system, power plant, stability.