

Emergency automation devices operation monitoring system.

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Emergency automation is designed to detect emergency operating modes of the electrical power system and disconnect the damaged area. In some cases, the emergency automation can work incorrectly, which can lead to damage to electrical equipment, disruption of power supply to consumers or disruption of the stability of the power system. In order to improve the reliability of the emergency automation, it is necessary to identify deviations of its operation from normal, as well as to analyze the correctness of its operation in real time.

Emergency automation devices operation monitoring system checks the functioning of such devices and generates an express protocol in the event of its malfunctioning, which helps to quickly find out the causes of accidents in the power system and increases the reliability of the remedial action scheme.

Key words: electrical power systems, relay protection, remedial action scheme.