

Increasing of the independence level of power supply sources for industrial consumers

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The ways of increasing of the independence level of step-down substations or electrical power distribution points of industrial consumers with a minimal decrease of the power supply reliability of adjacent loads are considered. The review of technological normative documents is presented, in which the requirements for operation parameters in emergency and post-emergency conditions are restricted. General recommendations are given, which allow minimizing the number of shutdowns of electrical equipment that supplies electrical power for technological installations of industrial consumers.

Keywords: independence, reliability, voltage failure, electrical network, circuit, relay protection, automatic reserve input.