Methodology for control actions volume choice to insure static stability and prevent current overloads in centralized protection systems algorithms.

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The article describes an algorithm for selecting control actions of the centralized emergency automation systems based on the criteria of static stability of the power system and current loads of its network elements. A description of the mathematical model of the power system and the method of performing calculations of the electrical mode are given. A method for forming a mode change vector for post-emergency circuits is outlined. A mechanism is proposed for determining the minimum volume of control actions from among the available ones.