Algorithm of accounting of switching diagrams for the stability margin monitoring system.

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diagrams simulation, calculation model conditionality.

The simulation of switching diagrams along the problem of calculating the maximum acceptable power flows is considered. A case of CIM-16-based simulation requiring a complete presentation of the computational model at the switching level is examined. A «lightweight» method for simulating switching diagrams was proposed which allows for only necessary substations to be represented at the switching level. The proposed method additionally makes it possible to improve the conditionality of the computational model by removal of branches with negligible resistance. Keywords: steady state calculation, calculation of maximum acceptable power flows, switching