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The application of automation separation of power system for transient stability saving under lengthy three-phase faults.

In article the short characteristic of structure of automatic unloading in case of close short circuits and the analysis of limitation delivery of total available capacity of Tom'-Usinsk power plant is presented. The basic principles of construction of automatic unloading in case of close short circuits and its realization on the basis of microprocessor devices are represented.

Key words: transient stability, emergency control automatic unloading in case of close short circuits.

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