Isaev E. V., Kats P. J., Lisitsyn A. A., Nikolaev A. V., Ten E. A.

Algorithm of estimation of static stability and choosing of control actions, based on cri-teria of static stability in post-emergency conditions.

The algorithm of estimation of static stability and computation of control actions is presented. Algorithm is developed for the security of a stability margins in a bottle necks taking into account of frequency variation in post-emergency conditions.

Key-words: static aperiodic stability, stability margins, bottle neck, post-emergency conditions, frequency deviation, control action.

Isaev Egor Vladimirovich, Software Engineer of the Department Emergency Automation of the Scientific and Technical Center of Unified Power System (STC UPS).
E-mail: isaev-egor@yandex.ru

Kats Pinkus Jankelevich, PhD. tech., Senior Researcher of the Department Emergency Automation of the Scientific and Technical Center of Unified Power System (STC UPS).
E-mail: pkats@mail.ru

Lisitsyn Andrey Andreevich, Deputy General Director – Director of the Department Emergency Automation Systems, Control and Relay Protection of the Scientific and Technical Center of Unified Power System (STC UPS).
E-mail: lisitsyn_a@ntcees.ru

Nikolaev Aleksey Vasilevich, PhD. tech., Senior Researcher of the Department Emergency Automation of the Scientific and Technical Center of Unified Power System (STC UPS).
E-mail: nikolaev.a@rambler.ru

Ten Evgeny Albertovich, Younger Researcher of the Department Emergency Automation of the Scientific and Technical Center of Unified Power System (STC UPS).
E-mail: eat_evgeny@mail.ru