

*Lisitsyn A. A., Nikolaev A. V., Satsuk E. I., Ten E. A.*

**Organization and results of testing of centralized emergency control system of a new generation.**

The results of testing of new algorithms of centralized emergency control system of a new generation are given. Testing was performed on sufficiency and optimality of control actions choosing according to the criteria of static and transient stability security.

*Key-words: static stability, transient stability, centralized emergency control system, software.*

*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

*Satsuk Evgeny Ivanovich*, Dr. Sc., Head of the Introduction of Emergency and Secure Automation of the System Operator of the United Power System (SO UPS).

E-mail: satsuk-ei@so-ups.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