

*Timkina A. V.*

**Determination of values of required transmission capacities of interties with example for «Integrated power systems of Center – Integrated power systems of Northwest» intertie.**

The main methods, used for provision of a rationale for interties' reinforcement, are described in the article. An example of method's use for determination of a value of required transmission capacity of intertie is given. The updates for existing methods are suggested.

*Key-words: power-transmission system, of interconnecting main section, transmission capacity, power balance, power flo.*

*Timkina Anna Vyacheslavovna*, PhD. tech., Researcher of the Department of Design and Development of Energy Systems of the Scientific and Technical Center of Unified Power System (STC UPS).

E-mail: [sevastyanova@ntcees.ru](mailto:sevastyanova@ntcees.ru)