

## **Estimation of total transfer capability for a controlled cutset of electric power system**

*Aksaeva E. S., Glazunova A. M.*

The article is concerned to the determination of total transfer capability (TTC) for a controlled cut of electric power system. The initial data for TTC calculation can be represented by steady state parameters, i.e. deterministic or stochastic data. The paper presents a brief overview of the methods for total transfer capability computation and presents a TTC estimation method developed by authors. A comparative analysis of the results obtained with the methods using various (deterministic or stochastic) initial data is made. In conclusion, the presented information and obtained results are generalized.

*Keywords: electric power system, state estimation, measurements, total transfer capability.*