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ALGORITHM FOR COMPUTATION THE TRANSFER CAPACITIES OF ELECTRIC POWER SYSTEM

ABSTRACT

This paper describes an algorithm for computation the transfer capacities of electric power system of one country or region, according to the procedure accepted by European Transmission System Operators (ETSO). The information for Net Transfer Capacity (NTC), i.e. Available Transfer Capacity (ATC) of the network is valuable information for the energy market competitors which shows the possibilities for power exchange between two countries or areas, without jeopardizing security of the normal system operation. Report for assessment of these parameters in the framework of UCTE is done twice a year, for winter and summer peak load period. Using the ETSO procedure, effort was made to identify the transfer capacities of electric power system of Macedonia for forecasted network configuration.

Keywords: transmission capacities, NTC, ATC, electric power system of Macedonia.