



АКЦИОНЕРНОЕ ОБЩЕСТВО

«СИСТЕМНЫЙ ОПЕРАТОР  
ЕДИНОЙ ЭНЕРГЕТИЧЕСКОЙ СИСТЕМЫ»

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## **SO UPS and Rosseti demonstrate synchronized operation between Eastern and Siberian Grids over BAM Corridor**

*SO UPS together with ROSSETI have successfully performed in situ tests with the grid breaking point shift of the 220 kV transmission lines along the Baikal-Amur Mainline (BAM). The tests confirmed the possibility of short-term synchronous operation between the East and the Siberian Interconnected Power Systems (IPS), enabling a relocation of the grid breaking point without interruption of supply.*

During the tests the grid breaking point was relocated while maintaining continuous power supply. For 18 minutes, the East IPS and the Siberia IPS operated in synchronized mode. This short-term synchronization became possible thanks to the installation of PA at Rosseti substations and joint tuning of PA devices carried out by Rosseti and SO UPS.

The East IPS represents the second synchronous zone within the Russian Unified Power System and historically has been isolated from the first synchronous zone due to low transmission capacity between two zones. The first synchronous zone includes the IPSs of Siberia, Urals, Centre, South, Middle Volga and North-West. Currently, plans are underway to build higher-capacity interconnections to enable permanent synchronous operation of the East IPS with the first zone.

Shifting the grid's breaking point is an occasional requirement driven by operational conditions. Previously, such reconfiguration involved temporary load disconnection for up to one hour, carried out only after prior notification and coordination with affected parties.

ENDS.