



АКЦИОНЕРНОЕ ОБЩЕСТВО

«СИСТЕМНЫЙ ОПЕРАТОР  
ЕДИНОЙ ЭНЕРГЕТИЧЕСКОЙ СИСТЕМЫ»

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## **Russia and Belarus implement first-ever Stability Margin Monitoring System on interstate transmission corridors**

*SO UPS and Belarusian state production association "Belenergo" have implemented the Russian digital Stability Margin Monitoring System (SMMS) in the controlled cross-section "Center-Belarus." This domestically developed hardware-software complex was jointly designed by STC UPS<sup>1</sup> together with SO UPS.*

The new system will enable optimal utilization of the available transmission capacity of the interstate power exchange under various network and operational conditions in both power systems. SMMS has been installed at SO UPS, with calculation results relayed in real time to the dispatch center of Belenergo for operational control of the power system modes.

The deployment of SMMS follows from agreements reached within the Operational and Technological Coordination Commission of the CIS Electric Power Council.

SMMS is widely used across the Russian Unified Power System to enhance the utilization rate of transmission capacity. The total number of controlled cross-sections (i.e. groups of transmission lines designated for power transfer in a given direction) equipped with SMMS has already exceeded 600 in Russia.

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<sup>1</sup> JSC «STC UPS» is a multidisciplinary electric power research center, industry leading research organization in the field of development of backbone network of the Unified Energy System of Russia and interstate electric ties.