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The solution of power systems development scientific and practical problems in STC of the UPS.

The main activities in the field of the power systems design and development of JSC «STC UPS» and its branch offices in Moscow and Novosibirsk are described in the paper: perspective computer models of UPS of Russia actualization, development of the power plant power distribution schemes and large power objects exterior power supply schemes, power system states of the prospective power objects research, development of UPS of Russia capacity adequacy indicators methodology calculation, information system for perspective UPS of Russia computer models maintenance, creation of models for short-circuit current determination and development of measures for limitation of short-circuit currents, city power grids 6(10) – 35 – 110 kV design and reconstruction, neutral ground connection in power grids of 6-10 kV and advanced 35 kV voltage class application for city power supply research.

Key words: JSC «STC UPS», power systems design and development, perspective computational schemes of IPS.

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