

**«ARU RZA» – domestic cad system for automation of calculating short circuits, settings of protection relays and integration with other supporting systems.**

*Abakumov S. A., Vishtibeev A. V., Ponomarev E. A., Savvin D. N., Erekeykin E. I.*

Distinctive features, main functions and capabilities of the «ARU RZA» as a computer-aided design system are described. The article considers the mechanisms of representation of the electric network model and the calculation capabilities of the co arrangements, as well as the import of the network model, parameters and state of network elements and settings of relay protection devices from specialized complexes of JSC “SO UPS” are described. The application of the implemented modules for solving the actual tasks of relay protection service specialists is considered.

*Key words: software, short-circuit currents calculation, settings of relay protection, CAD, integration.*