

## 1.10 Software complex for operational support of dispatchers of the integrated power system



The software complex provides operational simulation of emergency situations in IPS by means of calculations based on an information model of present electric mode of IPS received by KOSMOS, namely:

- operational forecasting of the IPS load;
- calculations of heavy modes of IPS;
- checkout of static and dynamic stability of IPS by calculating electromechanical transients taking into account automatic field regulators of synchronous generators, automatic speed regulators of turbo- and hydroelectric units of power plants and automatics for preventing the loss of IPS stability.

*The software complex improves stability and survivability of the IPS.*