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APPLICATION OF THE DECISION SUPPORT SYSTEM RODOS IN THE EVENT OF NUCLEAR REACTOR ACCIDENT WITH SCENARIO OF RELEASE OF RADIOACTIVE ISOTOPES TO THE ATMOSPHERE

ABSTRACT *Decision support systems are increasingly popular due to the fast delivery of information about development of the situation during the nuclear accidents. The information provided by decision support systems facilitate proper selection of necessary protective actions and correct allocation of services involved in the activities.*
The RODOS system is designed for forecasting the dispersion of radioactive isotopes in the atmosphere. It can be used in case of real radiological nuclear emergency as well as for emergency preparedness purpose.

Keywords: *nuclear safety, decision support systems, dispersion models, isotopes, emergency, radiological events, CBRN*