

VNIIA major activities related to the CTBT technologies

VNIIA is the leading organization of ROSATOM in implementing the CTBT and is currently performing a set of research activities: -provides scientific and methodological support and develops hardware and software solutions to ensure the CTBT OSI activities, carries out an integral assessment and forecast of technical capacities within the verification regime for compliance with the CTBT, analyzes the effectiveness of control means and the informative value of IDC data; -participates in the analysis of events evidencing a possible non-compliance with the Treaty by States Parties; collects geophysical and radionuclide data based on IDC products; -improves the information and analytical system in order to use it in the applied research for the activities of Rosatom within the CTBT verification regime and other treaties limiting nuclear tests; -studies and improves processes for detection and localization of weak seismo-acoustic events at distances on a regional scale (using the example of DPRK); -develops and upgrades the E-Training System Software for training of surrogate inspectors in OSI methods and procedures, using state-of-art GIS, Unity technologies develops training materials to check the knowledge of prospective OSI inspectors; -VNIIA specialists continue their work on NG monitoring equipment of domestic development - Xenon Isotopes Monitoring System (MIKS).

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