
RUSSIAN NAVY PERSONNEL TRAINING IN NUCLEAR MATERIAL ACCOUNTING, CONTROL AND PHYSICAL PROTECTION

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The Project on the upgrades of the Nuclear Material Accounting, Control and Physical Protection systems (MPC&A) in the Russian Navy (Navy) started in March 1995 when the Commander-in-Chief of the Russian Navy proposed the Kurchatov Institute Russian Research Center (KI RRC) to carry out joint activities in the upgrades of MPC&A systems for the storage and management of nuclear materials in the Russian Navy. The U.S. Side also proposed a joint work in this area. After several meetings and discussions at the working level, in July 1996 the U.S. DOE Secretary, a Russian Navy representative and the KI RRC President signed a joint statement on the conduct of the work in this area.

The MPC&A Project in the Russian Navy is focused on the upgrades of the physical protection, control and accounting systems of nuclear materials starting from the time of their receipt by the Navy till their loading into Navy reactors. Additionally the Project includes the development of regulatory documents and Navy personnel training courses that are required for the effective operation and maintenance of the upgraded MPC&A systems.

The Paper describes the beginning and further development of the MPC&A training program for the Russian Navy within the framework of the cooperation between the Navy, the KI RRC and the U.S. DOE. The Paper also covers the creation of Kola Training and Technical Center intended to support the nuclear material physical protection systems installed at Navy sites of the Northern region. One of the goals of the KTTC is the Navy personnel training evolved in the operation and maintenance of these systems. The KI RRC was responsible for the KTTC construction, equipment, as well as for the development of the training and methodological documentation for the training courses and for the training of the trainers. The Paper presents information on the KI RRC activities related to the establishment of the KTTC training base.

Moreover at preset the Russian Federation develops the nuclear material MPC&A Culture Program (nuclear material security culture), and the Paper briefly covers problems of the MPC&A Culture Program in the Russian Navy.