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## Improvement of Safeguards Practices in Armenia Through Implementation of Advanced Software

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The Agreement between the Republic Armenia (RA) and the International Atomic Energy Agency (IAEA) for the Application of Safeguards in connection with Treaty on the Non-Proliferation of Nuclear Weapons was signed on 23.09.1993 and the Protocol Additional to the Safeguards Agreement was ratified on 28.06.2004. In 2007 the RA invited the IAEA ISSAS mission that made recommendations the majority of which have been implemented.

The Law of the RA on Safe Utilization of Atomic Energy for Peaceful Purposes establishes the provisions related to the safeguards implementation on state and facility levels, as well as provisions related to preparation and conduct of SG inspections at nuclear facilities and LOFs, preparation and submission of accounting reports and other. The Armenian Nuclear Regulatory Authority is responsible for the safeguards implementation on the state level. The ANRA also maintains the general ledger for LOFs, prepares the accounting reports and submits them to the IAEA.

To improve the SG practices and provide with the efficient and continuous control over the nuclear materials, the Nuclear and Radiation Safety Center (ANRA's TSO) developed an electronic database NUCMAT to maintain an accurate inventory, record all changes and provide recoverable history of all activities related to the nuclear materials present in the RA. The NUCMAT provides with automated access to the information on NM and is aimed to assist in efficient implementation of accounting and control of NM, storing data, generating the accounting reports in the format that meets the IAEA requirements, as well tables and maps and quick access to the data. At present the NUCMAT is in trial use by the ANRA specifically in relation to implementation of the accounting and control of nuclear materials in the LOFs.

### Country or International Organization

Armenia

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