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10 YEARS OF THE ADDITIONAL PROTOCOL INFORMATIONAL AND ANALYTICAL SYSTEM OF UKRAINE

The Additional Protocol to the Safeguards Agreement (INFCIRC-540) entered into force in Ukraine since 2006. Ukraine, which has an extensive nuclear program and participated in the USSR's nuclear weapons program in the past, submits declarations under all articles of Article 2.a of the Additional Protocol.

At the stage of preparation of the declaration of the State on the Additional Protocol and before the information is entered into the Protocol Reporter and submitted to the IAEA, the State Authority Responsible for Safeguards Implementation (SRA) collects information from licenses and declarants, analyzes it, verifies, and the SRA must be completely sure of its relevance, as well as the conformity of the current changes in the declaration to the information that has been provided earlier.

For this purpose, namely for simplifying collection, validation and submission of declaration information, the "Additional Protocol Informational Analytical System" (APIS) was developed for the State Nuclear Regulatory Inspectorate of Ukraine in 2008.

The APIS as an application of the IBM Lotus Notes DB Management System uses the capabilities of this DBMS to work with and visualize information flows, for example: the APIS realizes the possibility of working with text fields of almost "unlimited" size, performs context search, implements the mechanism of attaching and downloading files, including MS Office applications. The APIS contains "official" information imported from submitted to the IAEA files, as well as site maps and reference information (comments and explanations).

The APIS is operated by the State Nuclear Regulatory Inspectorate of Ukraine for 10 years. During this period, no negative comments were received from the IAEA on the quality of declarations format, no changes were made to the program code of the APIS. Now we can say that the use of APIS has significantly simplified the process of preparing declarations and their quality. APIS capabilities, such as contextual search, the possibility of using various criteria for data selection and visualization as well, allow for a comprehensive analysis of information and provide the necessary information base for the preparation annual submissions to the IAEA.

Topics

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