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National Nuclear Forensics Library as a System for Nuclear Materials Accountancy and Control

This paper describes the prototype of Romanian National Nuclear Forensics Library as a system for accountancy and control of nuclear materials which can also support the interpretation of nuclear forensics findings. The development of this library started from Romanian's participation in the ITWG's Galaxy Serpent 2 internet based exercise where countries had to organize the provided data in the manner comfortable for using it to draw nuclear forensics conclusion. The platform was created using MySQL for the database, and PHP programming language for user interface. It is stored offline, and the data is protected by username and password. The created prototype called NNFL-RO is only focused on known nuclear materials available in the Physical Inventory List (safeguards depository) of IFIN-HH. However, its expansion to broader national level is foreseen in the near future.

Which "Key Question" does your Abstract address?

SGI2.1

Which alternative "Key Question" does your Abstract address? (if any)

SGI2.2

Topics

SGI2

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