

## Inventory

Under the RSRP, the NRC helps regulators conduct countrywide inventories of radiation sources. Information on facilities and radiation sources entered into a software database serves as a national registry used to strengthen licensing and inspection activities.

## Advanced Regulatory Information System

ARIS is a software program developed to assist countries manage their regulatory activities. It is composed of the following databases:

- **RASOD:** The Radiation Sources Database tracks disposition of sealed, unsealed sources, associated devices and X-ray equipment (it serves as a national registry)
- **AUTHORIZATION:** Licensing database for tracking authorized materials facilities and X-ray installations
- **INSPECTION:** Database for documenting inspections and generating reports
- **OCCUDOSE:** Database for monitoring occupational exposure to radiation database
- **LICENSEE:** Database of contacts, including current and potential users of radiation sources as well as facilities
- **RadEvents -** Database for tracking nuclear and radiation security events



Learn more at [www.aris.am](http://www.aris.am)



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**RSRP**

## Radiation Sources Regulatory Partnership

The Radiation Sources Regulatory Partnership (RSRP) is a USNRC program that assists countries to strengthen regulatory control over the use of radiation sources and X-ray generators.

Learn more at [www.rsrp-online.org](http://www.rsrp-online.org)

## Legislation and Regulation

RSRP assists regulators to develop and implement laws, regulations, and guidance for safe and secure use of radiation sources. The program also works with interagency communities to assist in adopting, enacting, and promulgating rules and regulations.

## Licensing and Inspections

RSRP helps regulators develop licensing guidance and conducts workshops to facilitate the licensing process. The program also helps develop inspection procedures for radioactive materials facilities. Under the program, NRC provides training on the conduct of inspections.

## Infrastructure

RSRP supports regulators with supplementary physical infrastructure required for day-to-day regulatory oversight.

## Training Activities

RSRP provides training in the following areas:

- Master Level University Program on Radiation Protection
- QC/QA of Medical X-ray Devices
- Model Inspections and Licensing
  - Modern Medicine – LINAC and Cyclotron
  - Industrial Radiography
  - Well Logging
- Industrial Uses of Radioactive Material
- Shielding Calculations

## Consulting Activities

RSRP provides consulting services in the following areas:

- Regulatory system assessment
- Facility licensing and inspections for modern medicine (HDR brachytherapy, gamma knife, LINAC and Cyclotron)
- Facility licensing and inspections for industrial radiography, well logging and other industrial uses of radioactive material
- Regulation Development
- Operating Procedure Development

## Cooperation and Engagement

Under the RSRP, the NRC helps member countries develop national regulatory infrastructure and expertise. It facilitates regional “user groups” for regulators to periodically meet and discuss regulatory issues of common interest. In partnership with IAEA regional networks such as FNRBA and ANNuR, it hosts a range of training programs, and provides technical support for guidance development. Training is delivered in-person, via virtual platforms, or in a hybrid approach using both delivery methods.

The NRC’s RSRP also supports operation of Master Level Programs for Radiation Protection Officers at UDELAS university in Panama City, Panama and at the University of Zambia in Lusaka, Zambia.

### Country Regulators Participating in RSRP Activities:

- Armenia
- Central African Republic
- Chad
- Chile
- Congo Brazzaville
- Cote d’Ivoire
- Benin
- Uzbekistan
- Kyrgyzstan
- Dominican Republic
- Ethiopia
- Georgia
- Ghana
- International Atomic Energy Agency (IAEA)
- Kenya
- Malawi
- Mauritania
- Mauritius
- Moldova
- Mozambique
- Niger
- Panama
- Paraguay
- Peru
- Rwanda
- Senegal
- Tajikistan
- Uganda
- Ukraine
- Burundi
- Uruguay
- Zambia

