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Transportation and Long-Term Storage Management of DSRS in the Bolivarian Republic of Venezuela

Starting in the second half of 2022, the Ministry of Science and Technology began receiving national powers regarding the peaceful and safe use of atomic energy policies, formally authorized by presidential decree, effective March 9, 2023.

Among the responsibilities received was addressing the DSRS reported by the IAEA in 2012 during a mission

In the last quarter of 2022, the inspection, collection, transportation, and safe long-term storage of the
- Advisor from IAEA through expert missions.
- Drafting of a bill proposal to create a single regulatory authority for atomic energy and ionizing radia
- Development of the National Policy for the Management of DSRS, identifying the stakeholders involved.
- Inspection schedule for the sites identified in the 2012 IAEA report.
- Purchase of equipment, vehicles, and supplies through funds from the Ministry of Science and Technology,

The sources identified in the last three years of management are detailed below:
- Collection, transport, and safe storage of 170 Radium 226 sources related to the 2012 IAEA report.
- Collection, transport, and safe storage of 20 Cobalt 60 cobalt therapy equipment heads related to the 20
- Inspection, collection, transport, and safe storage of new sources of Cesium 137 found in public hospita
- Inspection, collection, transport, and safe storage of additional sources (new findings) in public hospi
- Inspection, collection, transportation and safe storage of sources (new findings) in public hospitals of

Additionally, work is underway to build a new temporary warehouse for DSRS long-term storage, with funding of approximately USD 800,000 from the Ministry of Science and Technology.

In terms of training, the following has been achieved in the last three years:
- More than 400 people were trained in the country by the IAEA in radiation safety through Expert Missions
- More than 1.227 people were trained in the country by national radiationl safety specialists.

To manage the safe transport and storage of DSRS, it was necessary to develop national solutions such as:
- Construction of over-containers for Cobalt-60 head containers.
- Construction of racks to support the tons of weight of the Cobalt-60 heads.
- Placement of ID seals to identify DSRS containers.
- Development of software to inventory DSRSs during transport.
- Development of software for satellite tracking of DSRS containers and transport.

Above actions summarize the management of transportation and long-term storage in the Bolivarian Republic

Country or International Organization

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Instructions

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