

## PHYSICAL PROTECTION AND SECURITY MANAGEMENT OF DOSIMETRY RADIATION FACILITY FACILITY IN KENYA

Since late 2011, Kenya has seen an upsurge in violent terrorist attacks. According to Kenyan security experts, the bulk of the attacks were increasingly carried out by radicalized youths who were hired for the purpose. Kenya's hope of improving its ranking on the global terrorism index (GTI) have been dealt a blow because of these attacks. According to the Global Terrorism Index by the Australian-based Institute for Economics and Peace, a report that measures the impact of terrorism, Kenya took a nosedive from the 22nd most exposed country in 2017 to the 19th most exposed in 2018. In 2016, terrorist attacks involving shootings, grenades, or other explosive devices resulted in 122 fatalities. Potential terrorist threats remain in Kenya, including within the Nairobi area, along the coast, and within the north eastern region of the country. Kenyan official buildings like government offices and law enforcement personnel or facilities have been targeted and therefore extra security precautions are needed. The Kenya Bureau of Standards (KEBS) in collaboration with International Atomic Energy Agency (IAEA) established a Secondary Standards Dosimetry Laboratory (SSDL) and Non Destructive Testing Laboratory (NDT). The SSDL is the custodian of the National measurement Standards in the field of ionizing radiation and provides calibrations of industrial and medical of end users of equipment used within the East Africa region. The NDT is responsible for inspection and testing of samples using Magnetic particle, ultrasonic testing, Die penetrant and Radiography methods. The facility receive more than 50 equipments and samples for testing yearly. The paper discuss Kenya experience in designing physical protection System, security management and safety to comply with prescriptive regulations. The objective is to avoid malicious use of radioactive sources so that adverse consequences are minimised. The identification of key characteristic of the approach to regulating the security of radioactive sources are necessary. Adequate means of responders to have sufficient capabilities to prevent adversaries from completing their work are important.

Physical protection systems: evaluation and assessment;

### Gender

Male

### State

Kenya

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