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## ESTABLISHING A STATE SYSTEM OF ACCOUNTING AND CONTROL OF NUCLEAR MATERIALS FOR EMBARKING COUNTRIES –CASE STUDY OF GHANA

In Ghana, regulation of Nuclear Activities is done by the Nuclear Regulatory Authority (NRA). The NRA was established by an act of parliament; Act 895 (2015). The Authority was staffed in January, 2016 by transferring staff from the Ghana Atomic Energy Commission. The NRA was mandated by the Act to develop and enforce a regulatory framework to control all nuclear and radiological activities with relation to Safeguards and Non Proliferation, Safety and Security. To accomplish its mandate on Safeguards and Non Proliferation, the Authority is in the process of establishing a comprehensive state system of accounting and control of nuclear materials (SSAC). This system encompasses, national and international verification system based on nationwide inspections and evaluation of reports and data from stakeholders. This information is managed at a centralized national database of nuclear materials, and activities and nuclear related activities. In the establishment NRA has had its share of challenges and opportunities which includes human resources, equipment as major challenges. With respect to opportunities, it has been possible to integrate into the SSAC provisions of the Additional Protocol. Ghana is systematically including all possible nuclear materials in the country under control and thus reporting to the International Atomic Energy Agency. Also due to some improvements in the IAEA's reporting system, it is much easier for the reporting to the IAEA on Nuclear Activities.

### Which "Key Question" does your Abstract address?

SGI4.1

### Topics

SGI4

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