

Report on the Technical Meeting on Advancing Maintenance and Calibration of Radiation Detection Equipment for Nuclear Security Systems.

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By

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Executive Summary.

The Technical meeting on advancing maintenance and calibration of radiation detection equipment for nuclear security systems was hosted by the Government of Burkina Faso in conjunction with International Atomic Energy Agency (IAEA) from 6-9th of May, 2019, at Ouagadougou Burkina Faso. Twenty one participants were selected from 11 countries and three experts with wealth of experiences from IAEA were in attendance to share great experiences in maintenance, repair, and calibration of radiation detection equipment for nuclear security. The Countries represented are Nigeria, Senegal, Mali, Ghana, Cameroun, Democratic Republic of Congo, Sierra Leone, Benin Republic, Mauritania and the host, Burkina Faso. The Experts from IAEA are Tyrone Harris IAEA Vienna, Brian Tucker Pacific Northwest National Laboratory (PNNL) USA and Yavor Andreev THETA CONSULT Ltd, Bulgaria.

The technical meeting was designed with the main objective to work with participant to share best practices in maintenance, repair, and calibration of radiation detection equipment for nuclear security. The meeting identified and discussed common issues as regards to maintenance, repair, and calibration needs where science and technology can improve the effectiveness, efficiency, and sustainability of radiation detection systems for nuclear security.

Outcomes: The outcomes of the technical meeting include:

Knowledgeable radiation detection equipment users, maintainers, and specifiers that can improve the maintenance and repair of radiation detection equipment;

Identification of science and technology projects and participants to address detection equipment for nuclear security challenges;

Make some recommendations to manufacturer of radiation detection systems with the aim of improving their operation and maintainability.

Agreements between the participants to work together and/or separately on various projects related to the Technical Meeting on Advancing Maintenance and Calibration of Radiation Detection Equipment for Nuclear Security Systems. Each project have a notional timeline. A report was created after the technical meeting that summarizes the future projects, plans, and needs that were identified during the technical meeting;

Furthermore, participants discussed extensively and proffered professional solutions to issues and challenges raised by member states in attendance at the technical meeting that affects operation, maintenance and calibration of radiation detection equipment for nuclear security systems. Proposals were also made for projects that will offer workable solutions to identified issues and challenges which could further generate an implementable report for the IAEA.

Gender

Male

State

Nigeria

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