

## Development and Implementation of Effective Transport Security Regime for Nuclear and Other Radioactive Material - Nigeria Experience

### Abstract:

Nigeria utilizes nuclear and other radioactive materials extensively across various sectors of the economy to support national development. Consequently, ensuring the safe and secure transport of these materials is a vital aspect of the country's national security strategy. This paper outlines Nigeria's comprehensive approach to developing and implementing an effective transport security regime, aligned with international standards and regulatory guidance. It examines the application of risk-based methodologies, threat assessments, and graded security measures to ensure security of nuclear and radioactive material across multiple modes of transport. The paper also highlights the significance of a strong legal and regulatory framework, effective inter-agency collaboration, capacity building, and the deployment of advanced technologies, including real-time tracking and tamper-indication systems. Furthermore, it discusses lessons learned from past events and addresses current challenges such as evolving security threats, insider risks, and the need for enhanced international cooperation. The paper concludes with practical recommendations for strengthening national transport security frameworks to mitigate risks thereby supporting the peaceful and secure utilization of nuclear and other radioactive material.

### Country or International Organization

### Instructions

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