

Physical Protection Laboratory Roles and Function in Strengthening National Nuclear Security Strategy in Malaysia

Abstract: The Atomic Energy Licensing Board (AELB) seek to strengthen the capabilities and knowledge in nuclear security through the enhancement of roles and functions of our national Nuclear Security Support Centre (NSSC) with the support and cooperation from the International Atomic Energy Agency (IAEA). Through this effort and cooperation, a Physical Protection Laboratory for Radioactive Sources facilities was established at the AELB's Headquarters (the "Laboratory"). The laboratory is expected to expand Malaysia's NSSC capabilities in providing better and practical training on physical protection for authorized facility. The laboratory is equipped with nuclear security instruments to fulfil the objective of the physical protection system (PPS) in preventing sabotage and/or theft of nuclear materials and other radioactive materials at the facility. The installation at the laboratory will provide practical and hand-on guidance in order to accomplish nuclear security objectives either through deterrence or a combination of detection, delay and response mechanism. The laboratory is expected to compliment the Authorized User Training programmed offered under NSSC Malaysia and can be used to offer demonstrations of the operation, hands-on training, maintenance and practical exercises on working principles of physical protection equipment. Malaysian's NSSC, through enhancement of this technical capabilities at the Laboratory intends to host national and/or regional training courses on physical protection introduction and security measures training for Regulators, Operators/licensees, Security Personnel and University academics involved in Physical Protection application and Studies.

Keywords: Physical Protection; Nuclear Security

State

Malaysia

Gender

Male

Author: Mr MUHAMMAD JAMIL, Muhammad Zul Azri (Atomic Energy Licensing Board (AELB))

Co-authors: BAKRI, Noor Fitriah (Atomic Energy Licensing Board (AELB)); Mr MOHD TAHAR, Rozman (Atomic Energy Licensing Board); Mr RADZUN, Hatman Riza (Atomic Energy Licensing Board (AELB)); AB. RAHIM, Mohd. Hafizi (Atomic Energy Licensing Board (AELB)); Mrs PUNGUT, Noraishah (Atomic Energy Licensing Board (AELB))

Presenter: Mr MUHAMMAD JAMIL, Muhammad Zul Azri (Atomic Energy Licensing Board (AELB))

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