

LESSON LEARNED FROM NUCLEAR SECURITY SYSTEM AND MEASURES OF THE MAJOR PUBLIC EVENT (MPE) IN INDONESIA : THE PREPARATION, IMPLEMENTATION, AND ROLE OF INTERNATIONAL SUPPORT

ABSTRACT

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Nuclear security is the prevention and detection of and response to, theft, sabotage, unauthorized access, illegal transfer or other malicious acts involving nuclear material, other radioactive substances or their associated facilities and activities. In 2018, Indonesia were hosting 2 (two) grand and important event: The 18th Asian Games, and The IMF and World Bank Annual Meeting. The 18th Asian Games 2018 is a quadrennial sport event in which involving athletes from countries in Asia region, whilst the IMF and World Bank Annual Meeting brought together all state top leaders, ministers, central bankers, and many important figures in finance industries. These both events are categorized as Major Public Event (MPE). MPE is a huge planned event at national or international level in which involving a large number of resources and requires good planning and the implementation of a maximum security plan. In this case, nuclear security issues become very essential considering various credible threats, for instance criminal act or terrorism involving nuclear material or other radioactive sources, either in the form of Dirty Bomb/Radiological Dispersal Device (RDD), as well as Radiological Exposure Device (RED). This paper aims to identify lesson learned from nuclear security system and measures in the preparation, implementation, as well as support from international organization or partners, particularly from the IAEA. In the stage of preparation, coordination with relevant security agencies and stakeholder institutions became essential factor to establish a good national strategy for planning, preparedness and implementation of nuclear security system and measures. Several meetings and coordination with parties involved in the events have been conducted, as well as facilitated many workshops to enhance the human resources capabilities of our security agencies and institutions with the support of international partners. During the implementation, we conducted mapping for background radiation in venues and strategic locations, screening, monitoring, and response. We received assistance from the IAEA for radiation detection equipment a number of 100 PRD (Personal radiation detector), 10 RID (Radioactive Identifier Device), and 8 PRS (Portable Radiation Scanners). This assistance from the IAEA was one of the action plan agreed in the INSSP. Both events were held successfully, there were no significant security problems. However the procedures should be better prepared and well coordinated in advance. Appreciation came from the Government of Indonesia as well as from participating countries.

Keywords: nuclear security system and measures, MPE, international support

State

Indonesia

Gender

Female

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