

Implementation of Thailand's Integrated Nuclear Security Support Plan (INSSP)

ช่วงเวลาดำเนินการ ปี พ.ศ. 2559 - 2563

ผู้รับผิดชอบ อารีรักษ์ เรือนเงิน ตำแหน่ง นักนิเวศลิยร์เคมีชำนาญการพิเศษ
ผู้ร่วมงาน เสาวลักษณ์ ทองอินทร์, ปพน เพื่อกคะเชนทร์, หฤทัย กสิวัฒนาวุฒิ, กัลยา ช่างเครื่อง,
ลฎาภา ศรีจิตตะวา และหริเนตร มุ่งพยาบาล

Email: areerak.r@oap.go.th

รายละเอียดสรุป

Thailand's INSSP was developed in 2009 based on findings and recommendations of IAEA team experts, the first review was in 2014 with the support of IAEA. Over the years, the Office of Atoms for Peace (OAP) keep working on INSSP, as well as coordinate with the relevant authorities until Thailand's instrument lays the basis to comply with international security obligations since the entry into force of Thailand Nuclear Energy for Peace Act, B.E. 2559 (2016). This instrument provides Thailand keeps moving forward to further strengthen nuclear safety security and safeguards. Therefore, INSSP of Thailand was reviewed again at the National meeting on INSSP review on September 2017, the purpose is to update INSSP status as well as to identify additional areas of nuclear security needs and gaps for the INSSP review mission with IAEA experts in November 2017.

Thailand's INSSP was finalized in the constructive meeting taken place at the OAP from 6 - 10 November 2017 between relevant Thailand authorities and the team of experts from the IAEA Division of Nuclear Security. The valuable advice and suggestions were given to finalize Thailand's INSSP by IAEA officers, Mr. David Smith, Mr. Fei Liu, and Mr. Gerhardus Liebenberg, as well as an expert Dr. Nguyen Nu Hoai Vi. Finally, Thailand's Integrated Nuclear Security Support Plan was approved officially on 10 April 2018. In the meantime, Director of the Division of Nuclear Security, Mr. Raja Abdul Aziz Raja Adnan has visited Thailand at the end of April 2018, the implementation of approved Thailand's INSSP has been discussed more importantly.

The approval of Thailand's INSSP enables all parties such as IAEA or Donor to plan and coordinate activities from both a technical and financial viewpoint for filling needs and gaps in INSSP document. Throughout the first implementation period which focused on Threat and Risk Assessment and Response area.

In Response area, nuclear forensics was highlighted, initial discussion about potential Practical Arrangements (PA) between The International Atomic Energy Agency and Office of Atoms for Peace on Cooperation in the Area of Nuclear Forensic Science. This was first suggested by Mr. David Smith

during the INSSP Review Mission held at OAP on November 2017. The main purpose of such PA is to facilitate and institutionalize further cooperation in the area of nuclear forensics. Furthermore, IAEA provides the Expert Mission on strengthening the technical capabilities of the OAP nuclear forensics lab in 2019. National Workshop on National Response Plan for Nuclear Security Events was supported by IAEA regarding approved INSSP.

In Threat and Risk Assessment area, Thailand updated the Design Basis Threat (DBT) during a National DBT workshop in 2018 assisted by IAEA. Additionally, in the first year. Thailand organized the National Workshop on Nuclear Security Information Management System to review the status of their nuclear security infrastructure through INSSP document.

After the implementation of INSSP, nuclear security activities in Thailand become widely recognized in the policymaker level, which is the key driving force for sustaining nuclear security in the country. Implementation of INSSP assists the State for developing a strategy on enhancing nuclear security. In this paper, the implementation of INSSP will be discussed in details.

The objective of this workshop is to identify the strength and weaknesses of nuclear forensics standard operating procedures with the competent authority.

