



INTRODUCTION



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Asian Nuclear Safety Network Education and Training Topical Group  
Regional Workshop on the Management of Training Systems for Nuclear and Radiological Safety  
6 - 10 November 2023  
PNRI, Manila, Philippines

**NAME OF THE COUNTRY**

**“THAILAND”**



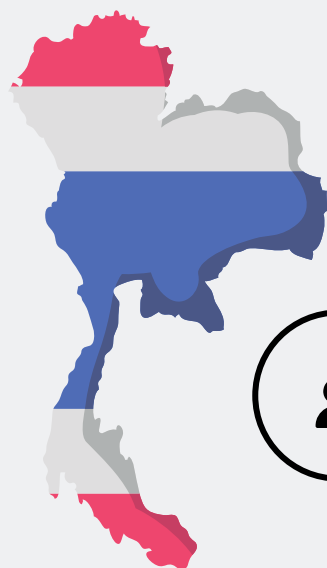


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MEMBERS



← → 🔍 Group Members



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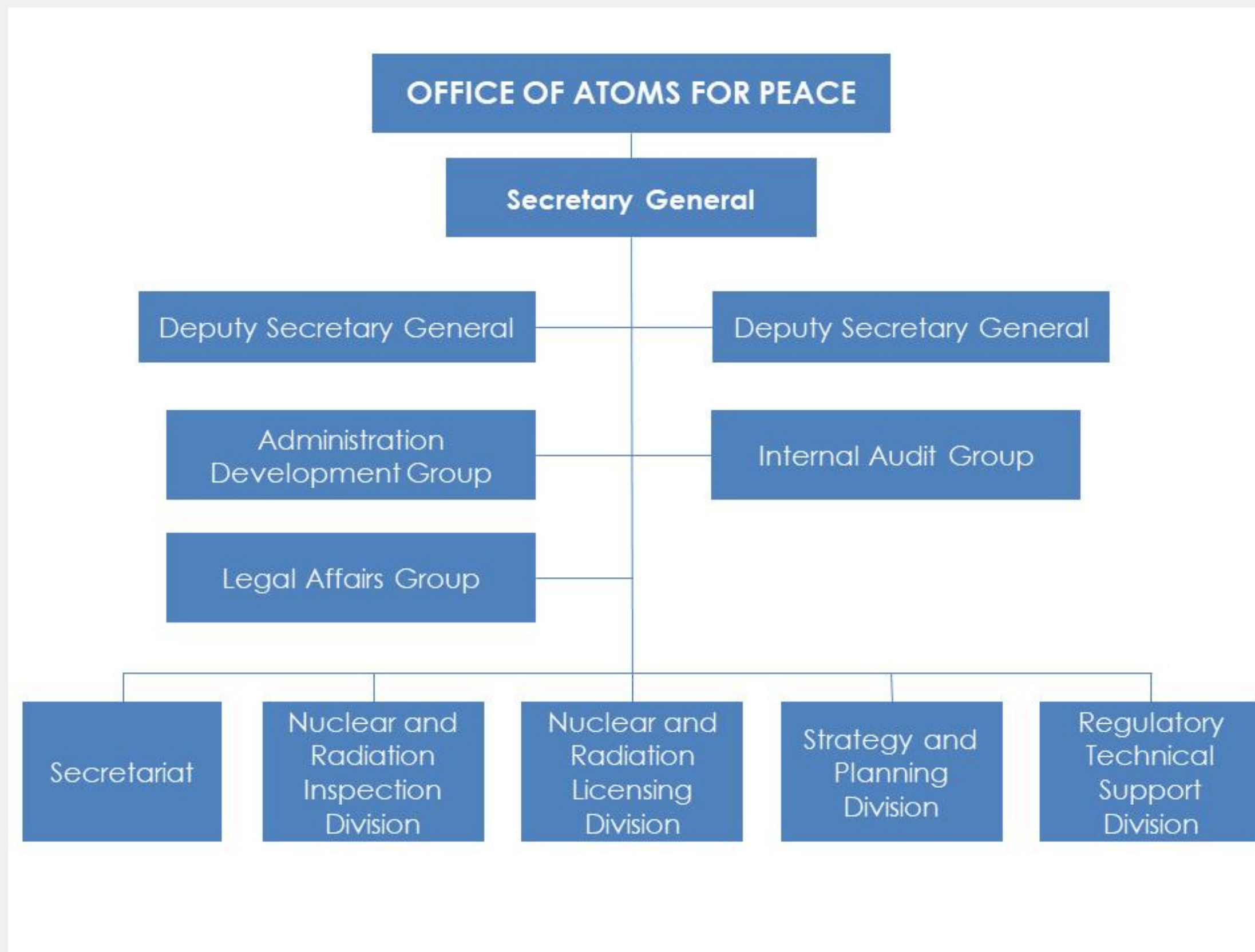
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MEMBERS

NATIONAL STRATEGY **X**



← → 🔍 Q National Strategy on education and training in nuclear and radiation safety





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NATIONAL STRATEGY X +

← → 🔍 Q National Strategy on education and training in nuclear and radiation safety

นโยบายและแผนยุทธศาสตร์  
การพัฒนาด้านพลังงานนิวเคลียร์ของประเทศ  
พ.ศ. ๒๕๖๐ - ๒๕๖๙

คณะกรรมการพลังงานนิวเคลียร์เพื่อสันติ

## “National Nuclear Energy Development Policy and Strategic Plan 2017 – 2026”

has been developed by Nuclear Energy for Peace Commission  
and sub-committee as a roadmap and framework for nuclear  
for peace activities in Thailand consist of 4 strategies.



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NATIONAL STRATEGY X +

← → 🔍 Q National Strategy on education and training in nuclear and radiation safety

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## “National Nuclear Energy Development Policy and Strategic Plan 2017 – 2026”

### 4 strategies

- 1 International Cooperation
- 2 Nuclear Energy Safety Regulation
- 3 Human Resource & Infrastructure Development
- 4 Nuclear Energy Utilization for National Development



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NATIONAL STRATEGY X +

← → Q Q National Strategy on education and training in nuclear and radiation safety

# OBJECTIVES

- To strengthen the production and development system of human resources and infrastructure in the field of nuclear science and technology, in order to support sustainable national development.
- To promote awareness and confidence in Thai society regarding the safety of nuclear energy.



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NATIONAL STRATEGY 



   Q National Strategy on education and training in nuclear and radiation safety

# SCOPE

- To develop human resources and educational programs in the fields of nuclear and radiation to meet the demands of the country.
- To conduct and develop training course in nuclear and radiation to enhance the capacity and competence of personnel in accordance with international standards.





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NATIONAL STRATEGY ✕



← → 🔍 🔍 National Strategy on education and training in nuclear and radiation safety

## MAIN ELEMENTS

- Nuclear energy is extensively utilized by both public and private sector organizations.
- Therefore, it is necessary to have personnel with the appropriate knowledge and skills to support the utilization of nuclear energy, ensuring it generates maximum benefits, safety, and efficiency.





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← → ↺ 🔍 National Strategy on education and training in nuclear and radiation safety





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# MAIN NATIONAL INSTITUTIONS INVOLVED

- Nuclear Energy for Peace Commission
- Office of Atoms for Peace (OAP)
- Thailand Institute of Nuclear Technology (TINT)
- Chulalongkorn University
- Kasetsart University
- Suranaree University of Technology
- Suan Dusit University





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← → 🔍 🔍 National Strategy on education and training in nuclear and radiation safety

# RESPONSIBILITIES FOR THE IMPLEMENTATION OF THE NATIONAL STRATEGY ON E&T

- Academic coordination with relevant agencies both national & international level
- Promote the strategy with relevant agencies through involved committees.



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← → 🔍 Q National Strategy on education and training in nuclear and radiation safety

## FUNDS FOR THE IMPLEMENTATION

- Government of Thailand depending on each fiscal year and government policies.

## INTERESTING ACTIVITIES, EVENTS, PROGRAMS, IDEAS, ETC.

- Learning academy
- Train the trainer
- Database
- Research



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STRATEGY



← → 🔍 🔍 Systematic approach to training

# STATUS OF SAT AT YOUR ORGANIZATION

A general description in brief

- Develop annually training plan for both internal and external personnel
- Maintain good coordination with national and international coordinator and lecturers
- Post training evaluation
- Annually report of training summary
- Management review meeting



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← → 🔍 🔍 Systematic approach to training

# STATUS OF SAT AT YOUR ORGANIZATION

one (best) example on application of SAT

- Continuously organize the training course as plan (5–15 times/years)
- Provide business continuity plan (BCP) to support unexpected situations



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APPROACH

ASSESSMENT



← → Q Assessment of competence needs

# METHODOLOGY, MEANS AND TOOLS FOR COMPETENCE ASSESSMENT AND MANAGEMENT AT YOUR ORGANIZATION

To assess the competence needs, OAP as following;

- Stakeholder mapping
- Development assessment survey
- Stakeholder's interviewing/survey
- Analyse the answer
- Summarize the competence needs



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← → 🔍 Training management

# MANAGEMENT OF TRAINING AT YOUR ORGANIZATION

- Develop and follow PM documents (ISO 29993)
- Management review meeting to consider about the detail of the documents and revision if necessary

## STATUS OF TRAINING MATERIAL

- Topical areas : PPT slide, exercise, online
- Structured database : electronic interface
- Updating process : annually

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← → 🔍 Training management

## AVAILABILITY OF TRAINING PACKAGES

- Develop online and onsite training packages involved with radiation safety / nuclear security by OAP and relevant organizations (WINS, ASEANTOM)
- **Radiation Safety Officer : RSO**
- **Radioactive Source Security Management : RSSM**

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← → 🔍 Challenges in education and training

## AT NATIONAL LEVEL

- Developing and producing of nuclear and radiation personnel to fulfill the shortage of personnel in this field

## AT ORGANIZATIONAL LEVEL

- Managing training course curriculum to align with the allocated budget.
- Expanding the target audience



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ASSESSMENT

NETWORKING



← → 🔍 🔍 Networking and sharing in E&T

## READINESS FOR NETWORKING

- Working group
- Infrastructures

## IT MEANS FOR NETWORKING

- Social network platform such as face book/whatapps



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ASSESSMENT

NETWORKING



← → 🔍 🔍 Networking and sharing in E&T

## CATALOGUE OF TRAINING PACKAGES

- Online Course description through OAP's website such as objectives/course's audience/duration/outcome/terms & conditions

## LANGUAGE OF TRAINING PACKAGES

- Only in Thai

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← → 🔍 🔍 Future plan in education and training

## AT NATIONAL LEVEL

- To implement and successfully follow the National Nuclear Energy Development Policy and Strategic Plan

## AT ORGANIZATIONAL LEVEL

- Enhance capacity on nuclear science and radiation safety to OAP staffs
- Increase training platforms to be more easily accessible
- Develop more training courses to meet training needs
- To be a nuclear and radiation safety regulation of regional



THANK YOU



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# THANK YOU

