

# AELB's Effort On Security Training And Awareness Raising

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# Issue

- Security of radioactive and nuclear materials.
- Put into high consideration after 911 attack in United State.
- Threat to Malaysia ?
- Illicit trafficking, stolen, lost and sabotaj.
- Beside AELB, who are the responsible agency?



# Responsible Agency In Malaysia

1. Royal Malaysia Police (RMP)
2. Military (Army, Air Force, Navy)
3. Royal Malaysia Custom (RMC)
4. Port/Airport Authority
5. Malaysia Maritime Enforcement Agency (MMEA)



# THREATS

- Location :
  1. National borders
  2. Ports/Airports
  
- Staff's competency :
  - Technical background
  - Equipment
  - Training

# AELB Security Training Program Service

## 1. Benefit :

- To equip enforcement officers in radiation protection knowledge
- To increase knowledge on monitoring equipment available
- To increase capability in choosing and utilizing monitoring devices
- To develop competency in dealing with unauthorized movement or transfer of Radioactive and Nuclear Materials

# Training Package

1. Expert Instructors
2. Course Module
3. Lecture presentations
4. Equipment
  - 4.1 Personal Radiation Detectors (PRD)
  - 4.2 Radionuclide Identification Devices (RID)
5. Low yield radioactive sources
6. Posters

# -Background-

- Developed by Security Awareness Expert Group Committee, AELB.
- Members Of Committee:
  - Policy, Code & Standard Division
  - Licensing Division
  - Enforcement Division
  - Technical Support Division
  - Nuclear Installation Division

## - Purpose -

Purposes for developing the training service Kit :

- **To** enhance the capability of Enforcement Agency for combating the illicit trafficking of radioactive and nuclear materials.
- **To** increase the understanding and knowledge of the Enforcement Agency to ensure the health and safety of the officer and general public are protected.
- **To** open room for technical co-operation between AELB with the other Enforcement Agency

# - Training Service Kit -

## 1. Course module

### Methodology :

1.1. 2½ days

1.2. Lecture and Formal Presentation

1.3. Hands-on introduction to instruments and radioactive materials

1.4. Practical Exercises involving Scenarios

## 2. Lecture Presentation :

2.1 Nuclear and Radioactive Materials  
Characteristic

2.2 Health and Safety Considerations When  
Encountering Nuclear and Radioactive  
Materials

# - Training Kit -

2. Lecture Presentation :

2.3 Basic Safety Standard

2.4 Intro To Instruments Capable Of  
Monitoring, Detecting and Identifying  
Nuclear And Radioactive Materials.

2.5 Hands On Practice With Instruments  
and Low Yield Sources.



## - Training Kit -

3. Classroom exercise to Monitor, detect, search and Identify Low Yield Sources.

4. Practical exercises

4.1 Scenarios

4.2 Use of Instruments by participants.

# - Training Kit -

## 5. Posters



## - Conclusion -

The Training Kits :

1. Provide effective and relevant knowledge to encounter nuclear and radioactive materials in the course of daily and long term work responsibility.
2. Increase the overall knowledge and awareness of issues relating to nuclear and radioactive materials.



# Video Presentation



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