



IAEA

International Atomic Energy Agency

Atoms for Peace

DIVISION OF RADIATION TRANSPORT AND WASTE SAFETY

EduTA
EDUCATION AND TRAINING APPRAISAL MISSION
IN
MALAYSIA

2 - 16 September 2005

COMPOSITION OF THE IAEA APPRAISAL TEAM

1. Geetha Sadagopan, Team Leader, IAEA
2. Russell Anderson, Senior Expert, United States of America

PERSONS MET DURING THE APPRAISAL MISSION

Name	Designation
Malaysian Institute for Nuclear Technology (MINT)	
Daud Mohamad	Director General
Adnan Haji Khalid	Deputy Director General (Corporate Programs)
Razali Hamzah	General Manager, Business Development Program
Shafaai bin Hassan	Manager, Training Centre
Abd. Nassir Ibrahim	Director, Industrial Technology Division
Taiman Kadni	Manager, Secondary Standard Dosimetry Laboratory
Aziz MHD. Ramli	Senior Research Officer
Atomic Energy Licensing Board (AELB)	
Hamrah Mohd Ali	Director, Policy, Code and Standard Division
Noor Fitriah Bakri	Assistant Director, Policy, Code and Standard Division
Nik Mohd Faiz bin Khairuddin	Assistant Director, Policy, Code and Standard Division
Marina Mishav	Policy, Code and Standard Division
Monaliza Kastor	Licensing Division
Mohd Pauzi Mohd Sobari	Director, Licensing Division
Ibrahim Muhamad	Principal Assistant Director, Nuclear Installation Division
Mohd Yasin Sudin	Enforcement Division
Halim b. Abd Rahma	Technical Support

BACKGROUND

Malaysia is one of the Agency's Regional Training Centre (RTC), hosting, inter alia, the IAEA postgraduate educational course in English and specialized training events and on-the-job training.

The Principal Agency standards used as a basis for the appraisal were:

- The Education and Training Appraisal in Radiation Protection and the Safety of Radiation Sources (EduTA) (Draft revised document July 2005);
 - The Safety Guide, Building Competence in Radiation Protection and the Safe Use of Radioactive Sources (RS-G-1.4);
 - Safety Report, Training in Radiation Protection and the Safe Use of Radioactive Sources (SRS-20);
 - Standard Syllabus Postgraduate Educational Course in Radiation Protection and then Safety of Radiation Sources (Training Course Series 18);
 - Draft Syllabus for the Training of Radiation Protection Officers.
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TERMS OF REFERENCE OF THE APPRAISAL

The terms of reference for the appraisal were:

- to evaluate the national infrastructure for education and training in radiation protection including:
 - legislative and regulatory framework with particular reference to education and training;
 - guidance material relevant to education and training;
 - the education and training program for Regulatory Body staff (qualifications, training received to date and planned for future);
 - the national training program in radiation safety or similar document;
 - approved /accredited training course providers /centers and /accredited training courses, if approval/accreditation procedures/systems exist;
 - annual reports from accredited training course providers/centers;
 - recognition/approval/accreditation procedures for education and training providers;
 - courses held in the past calendar year and the numbers of participants attending;
 - education and training programs for the five thematic safety areas;
 - a list of education and training events planned.
- to identify their training needs;
- to prepare an assessment report including conclusions and recommendations for strengthening the national infrastructure for radiation protection training in Malaysia.

CONDUCT OF THE APPRAISAL

The first step in the appraisal was the completion of a questionnaire by the counterpart. The questionnaire covered:

- the list of documentary information;
- the number of persons working with ionizing radiation; and
- the provisions for education and training

During the mission, the CRP provided the team with copies of relevant regulations.

The approach used for the assessment of the radiation safety infrastructure was based on the Education and Training Appraisal in Radiation Protection and the Safety of Radiation Sources (EduTA) (draft revised document, July 2005).

On the first morning of the Mission, a brief courtesy call was made to the Director General and Deputy Director General of the Malaysian Institute for Nuclear Technology Research (MINT). An introductory meeting followed with MINT officers. The purpose of the Mission was explained and the Appraisal Team was provided with an overview briefing of the status and organization of the current radiation protection training activities in the country. Meetings were also held with the Malaysian Atomic Energy Licensing Board (AELB) and the Malaysian Ministry of Health (MOH). Discussions with MINT continued throughout the appraisal.

The focus of the meeting and discussions were on the following areas: regulatory infrastructure for education and training; national strategy for building competence in radiation protection; education and training infrastructure and provisions for RPO training.

Visits were also made to:

- MINT RPO training class;
- MINT laboratory and training facilities;
- PGEC at UKM ;
- University of Science Malaysia, Penang (School of Physics staff);
- Jabatan Perubatan Nuclear Hospital, Penang (staff and heads of the Diagnostic Imaging and Nuclear Medicine departments);
- RPO training class.
- The RPO training materials based on Malaysian Standard syllabus, taking into consideration the IAEA's syllabus to ensure the quality of delivery and sustainability of the programmes.

An exit meeting was held on 16 September 2005 with MINT officials to present the Appraisal Team's preliminary conclusions and recommendations. Attending the meeting were Mr. Razali Hamzah, General Manager, Business Development Program, Mr. Shafaai bin Hassan, Manager, Training Centre and Dr. HJ Daud Mohamad, Director General. The recommendations and action plan were agreed with the local counterpart.

A full technical report with the findings, recommendations and a work plan was provided to the mission's counterpart and then national authorities.
