

IAEA's EDUCATION AND TRAINING PROGRAMME TO STRENGTHEN RADIATION PROTECTION IN MEMBER STATES

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IAEA Statutory Safety Functions

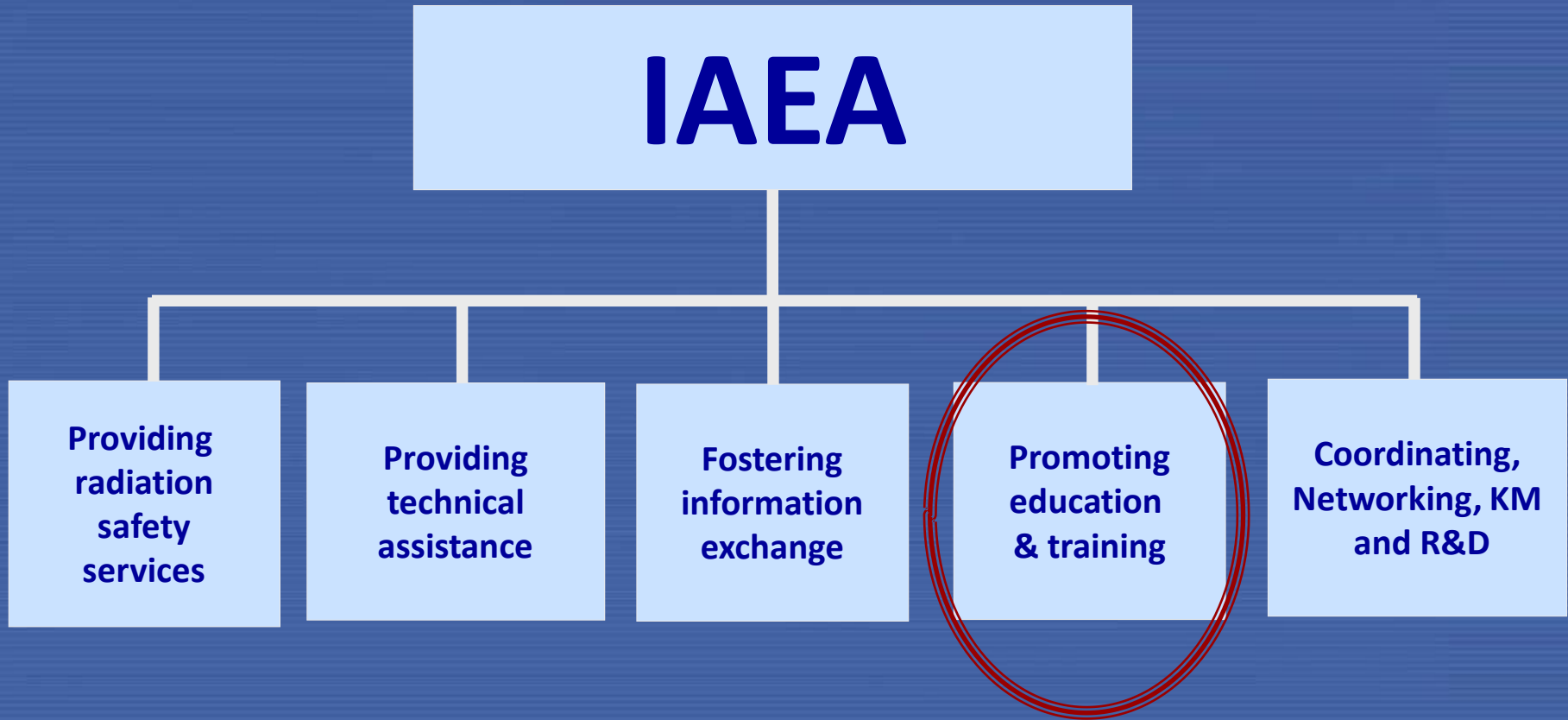
**IAEA Functions in
Radiation & Waste Safety
(Article III)**

**To facilitate and
service international
conventions and
other undertakings**

**To establish
standards of
safety**

**To provide for
the application of
international standards**

Assisting Member States to Apply IAEA Safety Standards



IAEA STRATEGY FOR EDUCATION AND TRAINING IN RADIATION, TRANSPORT & WASTE SAFETY 2011-2020

IAEA Strategy for Education and Training in Radiation, Transport and Waste Safety 2011-2020

(Continuation of the 2001-2010 Strategy)



Strategy prepared by experts from Member States and endorsed by the IAEA General Conference



A steering committee of international experts in education and training advises the IAEA secretariat on implementation of the plan



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Strategy)



Objectives:

- To strengthen radiation, transport and waste safety through building competence in Member States
- To facilitate the development and implementation of national strategies for E&T in Members States
- To ensure that E&T programmes in Member States address the requirements of IAEA Safety Standards

IAEA MECHANISMS AND ACTIVITIES TO SUPPORT STRENGTHENING RADIATION PROTECTION IN MEMBER STATES

Strengthened Radiation Protection

On the Job training:

Fellowships
&
Scientific
Visits

Postgraduate
Education Course in
Radiation Protection
and the Safety of
Radiation Sources
(PGEC)

Specialized Training
Courses

RPO Training
&

Train the
Trainers
Workshops

IAEA + National/Regional Training Centres



IAEA

IAEA POST-GRADUATE EDUCATIONAL COURSES IN RADIATION PROTECTION AND SAFETY OF RADIATION SOURCES

- **Target audience:**

Young science/engineering graduates whose work involves radiation protection

- **Course duration:** 5 1/2 months



IAEA PGEC run on a regional basis in:

Africa: Ghana (English), Morocco (French)

Asia: Malaysia (English), Syria (Arabic)

Latin America: Argentina (Spanish)

Europe: Belarus (Russian), Greece (English)

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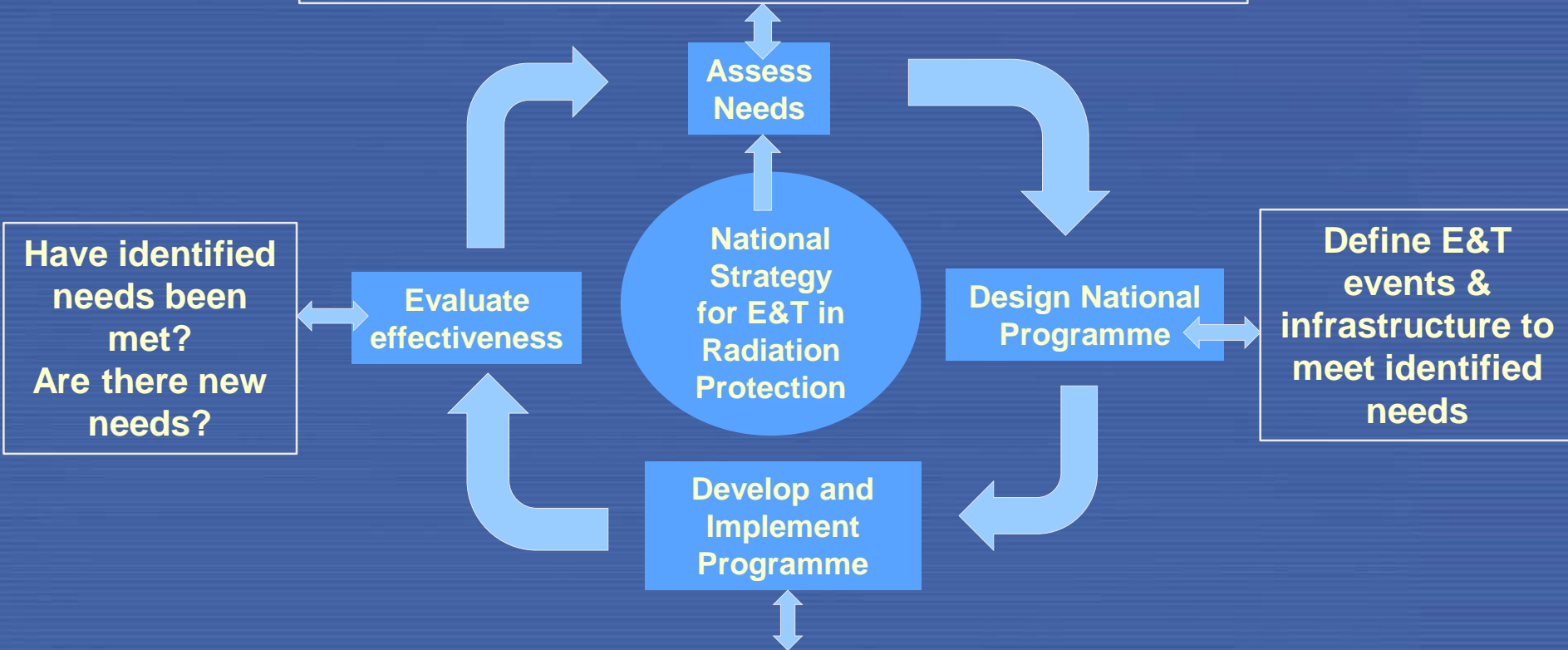


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ESTABLISHMENT OF A NATIONAL STRATEGY FOR EDUCATION & TRAINING IN RADIATION PROTECTION

- Current and foreseeable facilities & activities
- No. of people to be trained
- Existing regulatory/professional E&T requirements



- Develop new/expand existing E&T programmes & infrastructure
- Consider outsourcing (international/regional/bi-lateral resources)
- Strengthen regulatory basis /professional requirements

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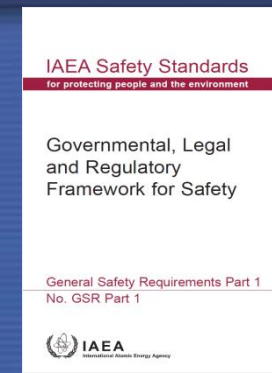
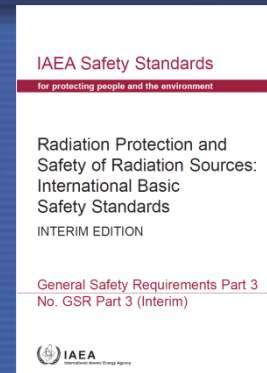


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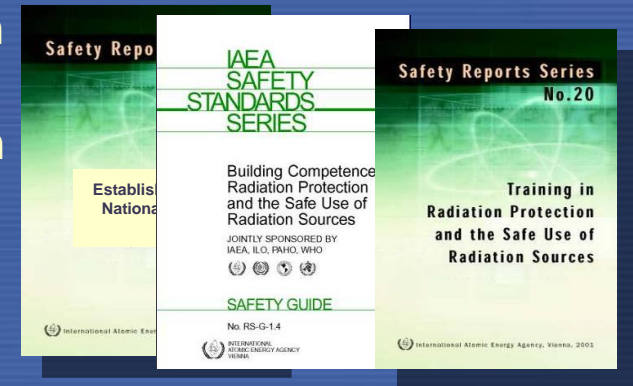
ENSURING E&T PROGRAMMES ARE BASED ON IAEA SAFETY STANDARDS

IAEA Requirements for education & training



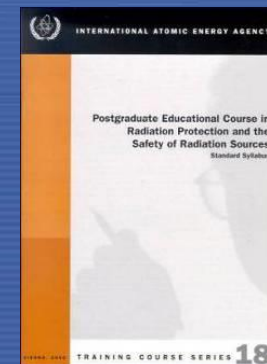
IAEA guidance on:

- Building Competence in Radiation Protection
- Training on Radiation Protection
- Establishing a national strategy for education and training in radiation, transport and waste safety (draft)



Standard syllabi based on IAEA Safety Standards

- Post Graduate Educational Course
- Radiation Protection Officers (draft)



IAEA'S EDUCATION & TRAINING APPRAISAL SERVICE (EduTA)

- Peer review of national provisions for E&T in radiation protection
- Based on self-assessment against IAEA Safety Standards
- Report suggests opportunities for improvement

Countries hosting EduTA include:

Algeria, Argentina, Belarus, Brazil,
Egypt, Ghana, Greece, Korea,
Malaysia, Morocco, Singapore,
South Africa.



EduTA mission to Malaysia 2011

CONCLUSION

Achievements: sustainability of E&T at regional level; comprehensive training material based on IAEA Safety Standards in multiple languages; large range of training events

Future focus: assisting Member States to develop and implement national strategy for E&T based on identified needs

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Education and Training in Radiation, Transport and Waste Safety



Building competence through education and training in radiation safety is fundamental to the establishment of a comprehensive and sustainable national infrastructure for radiation safety, which in turn is essential for protecting people from the harmful effects of radiation. In order to establish a sustainable education and training infrastructure in radiation, transport and waste safety, Member States should develop a national strategy for building competence through education and training , based on

Resources

[Educational and training material](#)

[Education and Training Appraisals \(EduTA\)](#)