

# Terms of Reference

## For the Asian Network for Education in Nuclear Technology (ANENT)

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The future use of nuclear technology in the Asian region will depend inter alia on how well this helps meet national sustainable development goals and especially the growing energy needs while at the same time relieving environmental burdens and improves quality of life. Critical to the development and wider use of nuclear technology in both power and non power applications will be the availability of “soft infrastructure”, qualified human resource, information, knowledge, skills and experience.

The Asian Network for Education in Nuclear Technology is a new regional partnership for cooperation in capacity building, human resource development and scientific research in nuclear technology supported by the IAEA.

ANENT is set up to promote, manage and preserve nuclear knowledge and to ensure the continued availability of talented and qualified human resources in the nuclear field in the Asian region and to enhance the quality of the human resources for the sustainability of nuclear technology.

### **1 Objective**

The objective of ANENT is to assist countries in building capacity and develop human and scientific infrastructure through co-operation in education, nuclear knowledge management and related research and training in nuclear technology in the Asian region and in particular through:

- Sharing nuclear information and knowledge relevant to nuclear education and training;
- Facilitating exchange of students, teachers and researchers and sharing of facilities;
- Developing and/or adopting reference curricula for education and training in key nuclear areas for facilitating the mutual recognition of credits, degrees, qualification, etc.
- Providing assessment and review services to members as needed,
- Serving as facilitator for communication between ANENT members and other regional and global networks such as WNU, ANSN, ENEN and others.

### **2 Strategy**

Cooperation and sharing is the key ANENT strategy for capacity building, nuclear infrastructure development and better use of available information and knowledge resources. ANENT will strive to:

- Integrate available resources in synergy with existing IAEA and other mechanisms,
- Create public awareness about the benefits of nuclear technology and its applications,
- Help attract talented youth to the nuclear profession in view of alternate competing career options,

- Encourage senior nuclear professionals to share their experience and knowledge with the young generation and
- Make maximum use of information technology, in particular web based training and education support.

### **3 Institutional arrangement and membership**

ANENT is a partnership of institutions active in nuclear education and training in the Asian region. These may be academic institutions, research centers, governmental entities and other organizations.

Organizations from outside the region or international organizations may contribute to ANENT as collaborating members.

An individual institution becomes a member of ANENT through an authorized country representative's statement at a Coordination Committee meeting or through a direct confirmation by the representative who attended the last Coordination Committee meeting.

An individual international institution or a network becomes a collaborating member of ANENT through a direct expression of a representative of that institution to the IAEA.

### **4 Coordination Committee and ANENT spokesperson**

ANENT will be guided by a *Coordination Committee*. There will be one representative on the committee from each ANENT member country. Collaborating members shall be observers.

The Committee will appoint a Chair who will also have the role of a spokesperson for ANENT.

The IAEA will serve as Scientific secretary and focal point to convene Coordination Committee meetings and to report on the overall implementation of ANENT.

Coordination Committee meetings should be held once per year

### **5 Activities**

- **Activity 1/ Exchange of information and materials for education and training**
  - Identify and provide access to available information and materials,
  - Establish and maintain a web-based network to support all ANENT activities.
- **Activity /2 Facilitating exchange of students, teachers and researchers**
  - Facilitate bilateral and multilateral co-operation in exchange of students, teachers and researchers,
  - Work with IAEA and other regional and international organizations to establish a working mechanism for supporting the exchange.
- **Activity 3/ Distance learning**
  - Compilation of available distance learning material;
  - Making the material available to ANENT-web and other electronic media;
  - Setting up new ANENT distance learning courses.

- **Activity 4/ Establishment of reference curricula and facilitating credit transfer and mutual recognition of degrees and qualifications**

- Exchange and analysis of existing curricula;
- Develop and/or adopt reference curricula;
- Facilitate transfer of credits and mutual recognition of degrees.

- **Activity 5/ Liaison and Outreach**

- Serve as facilitator for communication between ANENT member organizations and other regional and interregional projects and networks.
- Support ANENT members in public information and outreach activities.

## **6 Coordinating Member State**

On the operational level, ANENT activities will be implemented by (teams of) participating institutions under the leadership of a Coordinating Member State, who will be appointed by and will report to the Coordination Committee.

## **7 Coordination Committee and ANENT spokesperson**

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The above revised terms of reference have been approved by the second ANENT Coordination Committee in October 2005.

## List of Acronyms

ANENT	Asian Network of Education in Nuclear Technology
ANSN	Asian Nuclear Safety Network
ARCCNM	Asian Regional Cooperative Council for Nuclear Medicine
ASNM	Asian School of Nuclear Medicine
ENEN	European Nuclear Engineering Network (EC project)
FNCA/HRD	Forum for Nuclear Cooperation in Asia – Human Resource Development (Group)
IAEA	International Atomic Energy Agency
RCA (- RO)	Regional Cooperative Agreement (- Regional Office)
WNU	World Nuclear University