



IAEA

International Atomic Energy Agency

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

FAX Cover Sheet

Page 1 of 13 total pages

Date 19-10-2011

Addressee(s):

AS PER ATTACHED LIST

External Information Copies:

AS PER ATTACHED LIST

Reference: C7-RAS8111

Subject: IAEA/RCA Regional Training Course on Capacity Building for Enhanced Gamma Scanning of Industrial Process Columns, 20-24 February 2012, Bangkok, Thailand

Dear National RCA Representatives,

In accordance with the plan of activities of the RCA project – Diagnosis of industrial multi-phase systems by process visualization using radiotracers and sealed sources (RAS8111), I am inviting your Government to submit nominations for the above-mentioned event, details of which and requirements for participation are given in the attached sheet.

Please inform us **not later than 21 November 2011** of suitable candidates for this event with the duly completed and endorsed nomination form. Kindly note that the holding of the above Training Course will be subject to the official confirmation of the Government of Thailand.

Thank you for your cooperation.

Best regards,

Kesrat Sukasam
RCA Focal Person
Division for Asia and the Pacific

In case of incomplete transmission, please call +43 1 2600 ext 24295

Asia and the Pacific

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007 • E-mail: Official.Mail@iaea.org • Internet: <http://www.iaea.org>

International Atomic Energy Agency

IAEA/RCA Regional Training Course on Capacity Building for Enhanced Gamma Scanning of Industrial Process Columns

PROSPECTUS

**Project Number
and Title:**

(RAS/8/111) Diagnosing Industrial Multiphase Systems by Process Visualization using Radiotracers and Sealed Sources (RCA)

Place:

Bangkok, Thailand

Dates:

20-24 February 2012

**Deadline for
Nominations:**

21 November 2011 (Please note that it will not be possible to consider the applications received after the deadline due to administrative reasons.)

Organizers:

The International Atomic Energy Agency in cooperation with the Government of Thailand through Thailand Institute of Nuclear Technology (TINT).

**Host Country
Organizer:**

Mr. Siripone Chueinta
Thailand Institute of Nuclear Technology
Vibhavadi-Rangsit Road, Chatuchak,
Bangkok 10900, THAILAND
Tel. 662 5798252
Fax. 662 5790220
E-mail. siripone@tint.or.th

Language:

English

Purpose:

To develop the capability of national project team members to familiarize with diagnosing industrial process columns using gamma-ray column scanning technology and thus to promote the technology in MSs industries.

**Expected
Output:**

Trained personnel from seven participating countries with ability in diagnosing industrial process columns using gamma-ray column scanning technology and conducting routine service to local industries.

Scope and

Nature: Training program :

- Principles and short review of gamma scanning technique
- Understanding and review of industrial constraints (such as security) and needs including understanding of column diagrams
- Planning and conducting actual gamma scanning activities including selection of the scanning orientations
- Set-up and operation of the gamma-column scanning equipment for data acquisition including safe source handling and transportation
- Interpretation of the data and integration of scan diagrams with columns diagrams.

Background Information:

Gamma column scanning technology for industrial process columns has become an important non-destructive and non-invasive tool for on-line diagnosis of process malfunctioning, optimization and predictive maintenance. The technology has been developed and established in some RCA Member States (MSs) and is used by other MSs as a routine service activity for preventive maintenance of process columns in their local industries. The demand for the technology has found to be steadily increasing among the MSs with local capacity and capability. Various types of gamma scanning equipment are available in MSs. These equipment are from the more simple, purely manual with basic software, to the more sophisticated, entirely automatic with associated software. Each equipment has its own advantages and disadvantages. Sharing the experience from partners using different systems should enforce the capabilities of local teams in this technology. Thailand through the Thailand Institute of Nuclear Technology (TINT) has offered to host and provide on-the job training to the RCA member states in need.

Participation: Two participants each from Bangladesh, Indonesia, Mongolia, Myanmar, Philippines, Sri Lanka and Vietnam. During the project coordinating meeting, these countries have expressed the need to strengthen their national capability in this aspect.

Participants'

Qualifications: The participants should be from nuclear institutions engaged in radiotracers and sealed source applications and have basic knowledge on radioisotope applications in industry. The participants should have a minimum qualification of university degree in chemical engineering, physics, nuclear engineering or nuclear sciences, mechanical engineering and applied mathematics. As this Training Course will be conducted in English, participants must be proficient in this language and be able to understand spoken English as well as being able to express themselves in English.

**Nomination
Procedure:**

Nominations (**including those of local participants**) should be submitted on the standard IAEA Application Form for Training Courses (available on the IAEA web-site: <http://www.iaea.org/>) Completed forms should be endorsed by relevant national authorities and returned to the Agency through official channels, i.e. the office of the National RCA Representative.

The applications should contain sufficient information to establish the nominees have the required qualifications. The nominated candidate may not be selected if sufficient information is not provided.

Applications must be received by the International Atomic Energy Agency, P. O. Box 100, A-1400 Vienna Austria, not later than **21 November 2011**. Nominations received after this date or which have not been routed through established official channels, cannot be considered.

Advanced nominations through facsimile (+43-1-2600-7), or e-mail (Official@iaea.org) are welcomed. The facsimile / e-mail should contain the following basic information about the candidate: name, date of birth, academic qualifications, and current position including the exact nature of the duties carried out, proficiency in English and full contact address including telephone/email/facsimile numbers.

**Security in the
Field:**

It is recommended that the training course participants complete the courses *Basic Security in the Field: Safety, Health and Welfare (BSITF)* and *Advanced Security in the Field (ASITF)*, prior to traveling to locations where UN security phases are in effect. The aim of these courses is to educate participants on how best to avoid or minimize potential dangers and threats, and to show what individuals can do if they find themselves in insecure situations.

The courses are available on the following UN websites that can be accessed using Microsoft Internet Explorer:

- BSITF: <http://dss.un.org/BSITF/>
- ASITF: <http://dss.un.org/ASITF/>
-

If you have difficulty using the websites, a CD-ROM can be obtained from your IAEA National Liaison Officer or from IAEA.

Once the candidate has completed the courses and passed the accompanying exams, certificates will be generated automatically and must be printed for submission to the IAEA (either as an e-mail attachment or by fax). Copies of the certificate should be kept by the candidate for his / her records, as they are valid for a period of three years.

**Administrative
and Financial
Arrangements:**

Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details on the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to **Bangkok, Thailand** and a stipend sufficient to cover the cost of their accommodation, food, and minor incidentals. Shipment of accumulated training course materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the training course do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.



INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)
 WAGRAMER STRASSE 5, P.O. Box 100, A-1400 VIENNA (AUSTRIA)
 TELEPHONE (+43 1) 2600, FACSIMILE: (+43 1) 26007
 E-MAIL: Official.Mail@iaea.org, TC WEB SITE: http://www-tc.iaea.org

NOMINATION FOR TRAINING COURSE

Note: This form cannot be used to apply for a fellowship or scientific visit

The Government of _____ nominates the following candidate for the **Training Course** on (indicate short title, place, dates, project/course number):

<input type="checkbox"/> Female <input type="checkbox"/> Male Family name: (as in passport) First name: Complete mailing address (office): Inst. Name: Street: P.O. Box: Post Code: Town/City: Region/District: Country: Airport/town nearest to residence:	Date of birth: Place of birth: Nationality: Passport No.: Date of issue: Place of issue: Valid until: Telephone (office): Telephone (home): Fax: e-mail: WEB Page: Emergency phone:	Recent photograph of candidate
---	---	--------------------------------------

EDUCATION (commencing with secondary school)

Years attended		Name and place of institution	Field of study	Diploma or degree
from	to			

RECENT EMPLOYMENT RECORD

Years of service		Name and place of employer/organization	Title of position	Type of work
from	to			

DESCRIPTION OF WORK

Type of work done by the candidate during the past 3 years (Please attach list of any material the candidate may have published)

Is the candidate covered under a radiation surveillance programme in his/her home country? yes no

Has the candidate been, or will he/she be, involved in any IAEA-supported Technical Co-operation project? (Please identify project and describe the nature of the candidate's involvement.)

TC-3 E/Rev.7 (Mar. 01) Old forms (TA-3E, TA-3E/Rev.1-6) should be discarded and not used.



REGIONAL COOPERATIVE AGREEMENT (RCA)

INSTRUCTIONS FOR SUBMISSION OF APPLICATIONS FOR PARTICIPATION IN RCA REGIONAL TRAINING COURSES.

Purpose of these instructions

The RCA Secretariat has been facing numerous difficulties in selecting participants for RCA Regional Training Courses and making administrative arrangements for their participation, due to lack of sufficient information about the nominees. The purpose of these Instructions is to assist the nominees of RCA Regional Training Courses to provide the information needed by the RCA Secretariat for the above purposes.

Purpose of RCA Regional Training Courses

The purpose of the RCA Regional Training Courses is to provide skills and knowledge required by the participants from the RCA Member States to implement planned activities that would lead to achieving the objectives of the project under which the Training Course is held. The participants should be members of the National Project Teams engaged in implementing the relevant project, under the leadership of the National Project Coordinators. Those who are not actively engaged in project activities would not be eligible for participation. (Please see Sections 3.3 and 3.4 of RCA Guidelines and Operating Rules for further information on the responsibilities of National Project Coordinators and National Project Teams.)

Instructions

1. The information requested should be typed (preferred) or printed legibly in ink. (The Nomination Forms can be downloaded from the IAEA TC web-site <http://www-tc.iaea.org/tcweb/default.asp> if necessary).
2. Please provide sufficient information to indicate that you have the qualifications specified in the Prospectus of the Training Course. Proper descriptions of the work you are engaged in and the relevance of this training are essential in this regard. You may use additional pages as annexes if necessary.
3. Please make sure the completed Nomination Forms are submitted to the IAEA before the deadline stipulated in the Prospectus. It would not be possible to consider late nominations due to administrative reasons.
4. Please attach a copy of the BSTIF (Basic Security in the Field) certificate to your application. The details can be found in the Prospectus of the Training Course.
5. Please pay special attention to the following
 - a) Description of Work

The description of work should include the activities you are engaged in relation to the RCA project under which this Training Course is conducted. The information provided should be sufficient to indicate that you are actively engaged in implementing project activities in your country.

b) Relevance of the Training

Please indicate how this training will enable you to implement the activities of the project under which the Training Course is held, according to the National Work Plan of the project.

c) Contact Details

Please provide current and accurate contact details including your FAX and phone numbers and the e-mail address. Your name should be as it appears in your Passport. Inaccurate or illegible contact details and other information would prevent us from contacting you and making the necessary arrangements for your participation in the Training Course.

6. The Language Certificate and the Medical Certificate are mandatory
7. The Government Statement should be signed by the National RCA Representative or a person authorized by your Government to request Technical Cooperation support from the IAEA.



REGIONAL COOPERATIVE AGREEMENT (RCA)
Nomination of participants for RCA Regional Training Courses

Approval of the National RCA Representative

In accordance with Section 4.2 (p) of the RCA Guidelines and Operating Rules*, I hereby approve the nomination ofwho has been selected in consultation with the National Project Coordinator for participation in the RCA Regional Training Course on. The nominee is employed in a work area related to this Training Course and is a member of the National Project Team of the RCA Project under which this Training Course is held.

Name:

Signature:

Date:

*** Section 4.2 (p) of RCA Guidelines and Operating Rules**

4.2 Appointment, Roles and Responsibilities of National RCA Representatives

(p) Nominate suitably qualified persons for participation in RCA events and activities in consultation with the respective National Project Coordinators and ensure that they are employed in appropriately related work areas, and are members of the Project Teams;

National RCA Representatives

COUNTRY	NAME	FAX NUMBER
BANGLADESH	Mr. A.S.M. Firoz	+880 2 8141843
INDONESIA	Dr. Anhar Riza ANTARIKSAWAN	+62 21 525 1110
MONGOLIA	Mr. Tseren DAMDINSUREN	+976 11 329 019
MYANMAR	Dr. Ko Ko OO	+95 1 650 685
PHILIPPINES	Dr. Alumanda DELA ROSA	+63 2 920 1646
SRI LANKA	Mr. D.G.L. WICKRAMANAYAKA	+94 11 253 3448
THAILAND	Dr. Chaivat TOSKULKAO	+662 561 4069
VIETNAM	Dr. Voung Huu TAN	+84 4 3942 2756
RCA Regional Office	Dr. M-K Lee	+82 42 864 1626

Permanent Missions RCA Member States

COUNTRY		FAX NUMBER
INDONESIA		479 05 57
MONGOLIA		535 280 720
PHILIPPINES		533240124
SRI LANKA		5037993
THAILAND		4782907
VIETNAM		3680754
	Permanent Missions Outside Vienna	
BANGLADESH		+41 22 738 4616
MYANMAR		+49 30 20 61 57 20