A. Introduction

Nuclear material accounting and control (NMAC) works in a complementary fashion to physical protection systems in order to help prevent, deter, or detect the unauthorized acquisition and use of nuclear materials. These three methodologies are employed by Member States of the International Atomic Energy Agency (IAEA) to defend against non-State actors. This course will highlight NMAC measures for nuclear security at the nuclear facility level.

B. Objectives

The International Training Course on Nuclear Material Accounting and Control for Practitioners was developed by the IAEA to provide hands-on training for nuclear security professionals in domestic NMAC techniques in order to ensure accounting for, and control of, all nuclear material in facilities. The course will thus support Member States in fulfilling their responsibilities related to accounting for and
controlling their own nuclear material. Participants will gain practical experience of key NMAC principles, such as development of material balance areas, physical inventory taking, material measurements (e.g. destructive and non-destructive methods), and material balance evaluation (also known as ‘material unaccounted for’ evaluation). In addition, the course will address the implementation of nuclear security controls such as administrative checks, item monitoring, surveillance, and tamper indicating devices/seals for day-to-day operations.

C. Target Audience

This course is specifically meant for representatives of State competent authorities, facility managers, operators, NMAC organizations, and personnel performing security inspections. Participants will gain practical experience in NMAC principles.

D. Working Language

English

E. Application Procedure

Designations should be submitted using the attached Participation Form. Completed requests should be endorsed by the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) and returned through the established official channels. They must be received by the IAEA not later than 13 June 2018. Designations received after that date or applications sent directly by individuals or by private institutions cannot be considered. Designating Governments will be informed in due course of the names of the selected candidates and at that time full details will be given on the procedures to be followed with regard to administrative and financial matters.

F. Expenditures and Grants

No registration fee is charged to participants. The IAEA is generally not in a position to bear the travel and other costs of participants in the course. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country provided that, in the IAEA’s view, the participant will make an important contribution to his or her State’s nuclear security arrangements. The application for financial support should be made at the time of designating the participant. If Governments wish to apply for a grant on behalf of one of their experts, they should address specific requests to the IAEA to this effect. Governments should ensure that applications for grants are submitted by 13 June 2018. Approved grants will be issued in the form of a lump sum payment that usually covers only part of the cost of attendance.
G. Organization

Scientific Secretary:

Mr Robert Larsen
Division of Nuclear Security
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 21148
Fax: +43 1 26007
Email: R.Larsen@iaea.org

Administrative Secretary:

Ms Ana Roca Jachmann
Division of Nuclear Security
Department of Nuclear Safety and Security
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22917
Fax: +43 1 26007
Email: A.Roca-Jachmann@iaea.org

Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the course to the Administrative Secretary.
Participation Form

International Training Course on Nuclear Material Accounting and Control for Practitioners

Los Alamos, United States of America

20–30 August 2018

To be completed by the applicant and sent to the competent official authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA), Vienna International Centre, PO Box 100, 1400 Vienna, Austria, either electronically by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Kindly send also a copy to the Scientific Secretary of the course, Mr Robert Larsen (Email: R.Larsen@iaea.org), as well as to the Administrative Secretary for the course, Ms Ana Roca Jachmann (Email: A.Roca-Jachmann@iaea.org).

Deadline for receipt by IAEA through official channels: 13 June 2018

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<th>First name(s): (e.g. John)</th>
<th>Mr/Ms:</th>
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1. Education (post-secondary):

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2. Recent employment record (starting with your present post):

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3. Description of work performed over the last three years:

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4. Relevance of the course:
How do you envisage applying the knowledge and/or experience gained from the course to your current work role?

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5. Language ability:
The designating authority confirms that the participant is proficient in the language in which the course is to be held.

☐ Yes

6. Medical status:
Both the designating authority and the applicant acknowledge that the applicant shall be solely responsible for his or her fitness to travel, as well as for any medical requirements or precautions in connection with traveling to the course, including vaccinations or immunizations.

☐ Yes

Date: Signature of applicant: __________________________

Date: Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority ____________________