IAEA
International Atomic Energy Agency
Atoms for Peace and Development

International Training Course on Computer Security for Industrial Control Systems at Nuclear Facilities

Vienna, Austria

14 - 18 December 2026

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Information Sheet

Introduction

In today's increasingly interconnected world, the security of Industrial Control Systems (ICSs) and instrumentation and control systems (I&C) is crucial to preventing unauthorized access and potential compromise of critical nuclear functions. As the reliance on computer-based systems grows, so too does the risk of cyber threats to nuclear security. This training course, Computer Security for Industrial Control Systems (ICSs) for Nuclear Facilities, aims to equip participants with the knowledge and skills necessary to design and implement effective computer security controls - including administrative, technical, and physical measures - to protect ICSs and I&C systems from cyber threats. Through a dynamic programme featuring expert lectures, hands-on exercises with virtualized computer networks, and interactive discussions, participants will gain a comprehensive understanding of the principles and best practices for securing ICSs and protecting critical nuclear functions.

Objectives

The objective of this event is to introduce computer security concepts, controls, and conduct hands-on demonstrations and exercises associated with implementing computer security on Industrial Control Systems for nuclear facilities. Attendees will gain an appreciation of representative systems, such as instrumentation and control (I&C) and physical protection systems (PPS), and how IAEA guidance can be applied to ensure computer security. The event is based on IAEA Nuclear Security Series (NSS) guidance (a) Computer Security Techniques at Nuclear Facilities, NSS No. 17-T (Rev. 1), (b) Computer Security of Instrumentation and Control Systems at Nuclear Facilities, NSS No. 33-T, and (c) Computer Security for Nuclear Security, NSS No. 42-G.

Expected Outputs

Enhanced awareness of computer security needs for nuclear security or safety. Exposure and practice with using computer security assessment methods and techniques. Enhanced awareness and exposure to IAEA computer security guidance.

Target Audience

The event is designed to provide instruction on methods and processes for implementing computer security in ICSs for nuclear security. Participants should have hands-on experience in computer or digital system operations. A prerequisite for participation in the course is previous attendance at an IAEA computer security course or completion of the IAEA's online course: Introduction to Computer Security for Nuclear Security Practitioners. Participants should possess a strong working knowledge of computer and/or ICSs. The target audience for this event are competent authorities (i.e. regulators, law enforcement), operators, vendors, and other entities that have responsibilities of information or computer security implementation at nuclear or other radioactive material facilities.

Working Language(s)

English

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State or invited organization, participants are requested to submit their application via the InTouch+ platform (https://intouchplus.iaea.org) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **6 November 2026**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (https://intouchplus.iaea.org):
    - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
    - Persons without an existing NUCLEUS account can register here.

2. Once signed in, prospective participants can use the InTouch+ platform to:
    - Complete or update their personal details under 'Complete Profile' and upload the relevant supporting documents;
    - Search for the relevant event under the 'My Eligible Events' tab;
    - Select the Member State or invited organization they want to represent from the drop-down menu entitled 'Designating Authority' (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
    - If applicable, indicate whether a paper is being submitted and complete the relevant information;
    - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);

- Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **6 November 2026**.

For additional information on how to apply for an event, please refer to the InTouch+ Help page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the Agency's Personal Data and Privacy Policy and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the Data Processing Notice concerning IAEA InTouch+ platform.

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 event. 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 the event.

The application for financial support should be made, together with the submission of the application, by **6 November 2026**.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

Additional Information

Six or more months after completion of training events, participants will be required to complete a short survey on the use of acquired knowledge and skills or a change in attitudes. This will assist the Division of Nuclear Security in understanding the impact of its work and will guide future assistance.

Organization

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.