Job Title: Nuclear Security Engineer IO1050

Requisition ID **3720** - Posted **19/02/2021** - (France, 13067 St Paul Lez Durance Cedex) - **Safety and Security** - **New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full-time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as a reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure, and cultural opportunity.

To see why ITER is a great place to work, please look at this video

Application deadline: 04/04/2021
Domain: Director-General
Department: Safety & Quality
Division: Security, Health & Safety
Section: Security
Job Family: Organizational Support
Job Role: Functional Officer - 2
Job Grade: P3
Language requirements: Fluent in English (written & spoken)
Contract duration: Up to 5 years

Purpose

As Nuclear Security Engineer, you will perform all the security risk and vulnerabilities studies in the ITER Organization (IO) including but not limited to the Host State required documents for the nuclear material licensing authorization, propose the appropriate measures for implementation of their conclusions, and assess and monitor their execution.
To that effect, you will prepare correspondence with the Host State security contact persons.

Background

The Security, Health, and Safety Division is responsible for collaborating across IO and with external stakeholders to implement applicable national laws and regulations of the Host State in the fields of nuclear security, including prevention of malevolent acts against an international organization is one of the highest priorities.

Major Duties/Roles & Responsibilities

- Develops, maintains and records documentation required by the Security, Health and Safety (SHS) Division, Security Section (SES), and Host State security regulations;
- Defines and acquires all needed external or internal inputs (radiological and explosive calculations) to establish the content and framework of documents referenced above for security risk and vulnerabilities studies;
- Collaborates with Environment Protection Nuclear Safety, the Information Technology, the Fuel Cycle and the Remote Handling and Radwaste Management Divisions and in cooperation with the relevant Host State's authorities for the establishment of the required documentation in the framework of the security licensing processes;
- Ensures Host State’s law and regulations are implemented, documented, and monitored; Proposes security measures in accordance with the Host State’s regulations and defined compliance of indicators/matrix accordingly;
- May be required to work outside ITER Organization reference working hours and takes part in the on-call duty service established by the ITER Organization, including nights, weekends and public holidays;
- May be requested to support any of the project/construction teams and to perform other duties in support of the project.

Note: May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization.

Measure of Effectiveness

- Accurately monitors compliance with all nuclear security laws and regulations;
- Issues accurate and high quality documents on time, maintains them up-to-date, and records them in compliance with ITER quality standards and nuclear security rules;
- Obtains all approvals and releases related to licensing within schedule;
- Communicates regularly and develops trustful and efficient relationships with all stakeholders;
- Contributes effectively to the high availability of physical protection and security systems through defined compliance indicators/matrix.

Experience & Profile

- ***Professional Experience:***
  - At least 8 years’ experience working as security engineer in the field of nuclear safety & security analysis;
  - Ability to obtain and maintain French Security clearance.
- ***Education:***
  - Master degree or equivalent in the nuclear safety & security field or other relevant discipline;
  - The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
- ***Language requirements:***
  - Fluent in English (written and spoken).

- Good working knowledge of spoken and written French would be an advantage in order to have direct interaction with the French Nuclear Security Authority and related documentation.

- ***Technical Competencies and demonstrated experience in:***
  - Analysis, requirements definition, risk identification and management: defining and adapting proposed solutions within the parameters of requirements and environment;
  - Performing security analysis including methodology for calculation of radiological consequences;
  - Nuclear material accounting and control;
  - Applying laws in highly regulated environment, especially as it relates to nuclear material;
  - French laws and regulations in the field of physical protection and security and on nuclear safety and protection against acts of malevolence is a strong advantage;
  - Management of French classified information is a strong advantage.
- ***Behavioral Competencies:***
  - Collaborate: Ability to facilitate dialogue with a wide variety of contributors and stakeholders;
  - Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
  - Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;
  - Manage Complexity: Ability to analyze multiple and diverse sources of information to understand problems accurately before moving to proposals;
  - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.

The following important information shall apply to all jobs at ITER Organization:

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project’s objectives.