

Job Title: Nuclear Safety Engineer IO0657

Requisition ID **4421** - Posted - (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: 12/09/2021

Domain: Director-General

Department: Safety & Quality

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

You will be working in the Safety Control Group (SCG) and will perform internal inspections within ITER Organization (IO), Domestic Agencies (DAs) and contractors in the fields of nuclear safety for all the facility lifetime stages including design, manufacturing, construction or assembly and installation, operation, waste management & decommissioning aspects. You will perform control inspections in accordance with safety related pieces of regulation and legislation. Radiation safety (for the workers and the public), nuclear Safety, Nuclear Pressure Equipment, Environment protection.

Background

SCG performs independent internal control inspections to help ensure regulatory compliance for Safety within the whole ITER Project. The group members report to the Safety and Quality Department Deputy Head and Group leader.

Major Duties/Roles & Responsibilities

- Controls the implementation of nuclear safety requirements for “Protection Important Activities” (PIAs) and “Protection Important Equipment” within IO, DAs and contractors;
- Prepares the files for the nuclear inspections, performs the inspections, issues the inspection report, and follows-up on the completion of actions/findings correction;
- Supports the ITER licensing process when requested by the management;
- Manages safety related nonconformance Reports (PIC-NCRs) and database for design, assembly, construction, and operation phases of ITER facilities and makes their follow-up;
- Collaborates with the Quality Assurance & Assessment Division to develop and implement ITER Management Quality Program;

- Acts as nuclear safety control specialist and represents the Safety Department for relevant task forces, working groups and technical committees for ITER Project;
- Propagates safety requirements within IO, DAs, and contractors;
- Instils a radiation, beryllium, nuclear, environment or pressure vessel safety culture within the IO and DAs when appropriate;
- May be requested in advance to work outside ITER reference working hours, 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.

Measures of Effectiveness

- Performs an efficient independent control of document support, safety cases, assumptions, input, regulatory requirements and more within defined timelines;
- Provides analysis to support licensing in compliance with Safety and ALARA principles;
- Verifies proper implementation of requirements related to Safety for defined scope of systems within and outside ITER premises;
- Produces comprehensive and clear reports and summaries of all activities;
- Deploys efficiently the ITER safety inspection program within the defined quality and schedule;
- Provides an effective input, review and follow-up to the activities related to PIC-NCR Reports,
- Issues the Regulatory Watch report on time as requested by the SCG Leader.

Experience & Profile

- **Professional Experience:**
 - At least 8 years of experience managing safety, licensing, or regulatory activities in nuclear installations within complex international environments or projects.
- **Education:**
 - Master degree or equivalent in the field of Nuclear Physics, Engineering 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 and in French (written and spoken).
- **Technical Competencies and demonstrated experience in:**
 - Design, installation and operation of Fusion facilities;
 - Quality management: knowledge of requirements for international quality standards (both management and product) methods and practices;
 - Quality control: verify compliance of all applicable requirements and regulations;
 - Risk and opportunity management: quantification of risks and opportunities, standardization of risk assessment, routine review and status update;
 - Analysis: requirements definition, risk identification and management: anticipate and adapt proposed solutions and tasks to the environment and constraints, cascading customized requirements;
 - Delivery and execution: execute tasks with consistency, self-assessment and feedback, adapt to changing contexts;
 - Reporting, follow-up, and management of actions: summarize and communicate in writing on QA matters; record, check and ensure implementation based on evidence;
 - French regulations and codes and standards for radiation safety;
 - Nuclear inspection: surveying correct implementation of requirements in all project phases (design, procurement, assembly) is desirable;
 - Experience in the in the construction, start-up and operation of nuclear facilities is desirable;
 - Reporting, follow up and management of actions: summarize and communicate (written and verbal) technical reports, recording, checking and ensuring implementation of actions;
 - Project Management: planning, measuring progress of work, managing risks, and coordinating work with stakeholders within the constraints of human and financial resources.

- ***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.
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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.