

Job Title: Design and Configuration Control Section Leader IO0767

Requisition ID **5582** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Engineering of Systems - 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: 16/01/2022

Domain: Engineering

Department: Central Integration Office

Division: Configuration Management

Section: Design and Configuration Control

Job Family: Line Management and Group Leaders

Job Role: Section Leader

Job Grade: P5

Language requirements: Fluent in English (written & spoken)

Contract duration: Up to 5 years

Purpose

As the Design and Configuration Control Section Leader, you will establish, propagate and coordinate the execution of processes, procedures and tools to plan, generate and control the ITER technical baseline. This role includes the management of the associated section and the responsibility of the ITER configuration system and the ITER design control system. This role also bears a specific support to the ITER Engineering Domain Head in his function of Configuration Control Board Chair.

Background

The Configuration Management Division (CMD) provides, propagates and coordinates the execution of procedures and rules to assure the proper management of the technical baselines and the associated technical data, as well as the documentation produced in ITER.

In order to support CMD Head, the Design and Configuration Control Section (DCC) is in charge of maintaining the framework for the execution of the design process, and of maintaining the ITER configuration management program.

Key Duties, Scope, and Level of Accountability

- Provides effective leadership to the section, defining roles and responsibilities, and controlling the work in accordance to the Section's missions and agreed objectives;
- Updates, maintains and defines where necessary Design Control & the Configuration Management processes, procedures and tools (based on Systems Engineering Standards) to be applied within the ITER Project;
- Manages ITER Facility's Configuration Control, ensuring that the project information is kept up-to-date, and changes are assessed and authorized at appropriate level;
- Manages the activities for the implementation and the deployment of the above-mentioned procedures in the Product Lifecycle Management (PLM) system;
- Ensures that technical issues are anticipated, identified, recorded and reported to the appropriate management level, and controls that agreed resolution plans are implemented;
- Oversees the development of training material and carries out or organizes workshops and training courses on the above methods, processes and tools;
- Collaborates with the Safety & Quality Department to ensure consistency with the nuclear licensing process;
- In collaboration with the Quality Assurance and Assessment Division, organizes and performs assessments of various ITER systems to ensure their compliance with the aforementioned processes;
- Controls and mitigates any major technical risks related to the Section's deliverables that could affect performances of the project or its integrated master schedule, and defines opportunities where possible;
- Provides regular reports to the Division Head, Central Integration Office Head and to senior management on the status of the implementation of processes under DCC responsibility;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- May be required to work outside ITER Organization reference working hours, including nights, week-ends and public holidays.

Measure of Effectiveness

- Builds-up and manages the section team ensuring team members are motivated and develop their skills and experience;
- Ensures that processes and tools for Configuration Management and Design Control are established, maintained, understood and implemented throughout the ITER Project;
- Ensures that the technical baseline is established, managed and controlled in accordance with the plan and is kept up-to-date;
- Maintains effective communications with the staff of other ITER Departments and Domestic Agencies;
- Ensures that the sections quality, schedule and cost requirements are met;
- Ensures the implementation of quality and safety standards in DCC activities.

Experience & Profile

- **Professional Experience:**
 - At least 10 years' experience in the managing the implementation of Configuration Management and Design Control processes in large nuclear engineering, construction and/or commissioning projects.
- **Education:**
 - Master, PhD degree or equivalent in Engineering 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).
- **Technical competencies and demonstrated experience in:**

- Leading design control and/or configuration management processes and implementation including the application of systems engineering process;
- Managing and coordinating teams and activities for nuclear or other complex plant engineering projects;
- Using configuration management tools (PLM) in complex engineering / construction programs;
- Nuclear regulation and application of codes and standards for licensing of plant construction;
- Team Building and Management: providing leadership, work direction and ensuring development of competencies for a multicultural team, including coaching team members and proposing effective training plans;
- Developing innovative solutions to solve complex and technologically sophisticated engineering problems;
- Project Management: Ability to define reporting and control requirements and methodology, analyze and conclude on overall project status, define and decide actions for recovery with full transparency within the IO, and report to highest levels of stakeholders of the ITER Project;
- IT skills consistent with managing a complex developmental project;
- Construction and commissioning of nuclear/fusion facilities in compliance with Quality Assurance and nuclear quality standards is considered as advantageous;
- General knowledge of ITER design and tokamak fusion system design is considered as advantageous.
- ***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.