

# Job Title: Head Of Central Integration Office IO1180

Requisition ID **6823** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Managerial - 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.

ITER Organization (IO) is an Equal Opportunity/Inclusive organization committed to diversity in the workplace, with diversity and Inclusiveness being one of the ITER Values.

As IO attracts and retains people coming from a vast array of different backgrounds and cultures, bias and exclusion cannot be tolerated. IO believes it is our diverse perspectives and backgrounds that gives unique strength and value to the ITER mission, regardless of race, member nation, gender, religion, status, sexual orientation, or disability - all are welcome and respected at ITER.

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:** 22/01/2023

**Domain:** Engineering Domain

**Department:** Central Integration Office

**Job Family:** Line Management and Group Leaders

**Job Role:** Head of Office

**Job Grade:** D1

**Language requirements:** Fluent in English (written & spoken)

**Contract duration:** Up to 5 years

## Purpose

As Central Integration Office Head (CIO Head), you will support senior engineering managers in their duties, especially for configuration management, system design and integration, and value engineering. This support is not limited to the technology management, and also includes overall administrative control of the engineering and the design work. You will also be in charge of technology control of analysis tasks and of application of code and standards that support the engineering and design work for the ITER project.

## Background

Central Integration Office (CIO), as the overall system architect and design integrator of the whole ITER Plant as a nuclear installation, is responsible for the global rationale, coherence and value optimization of design as well as functional and safety performances of the Project.

## Key Duties, Scope, and Level of Accountability

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- Is responsible for maintaining and flowing down the Project Requirements (PRs) and Overall Load Specifications to the systems (systems requirements);
- Oversees and monitors functional analysis to assure functional integration among systems;
- Oversees and monitors functional and physical integration of systems, structures and components and maintain the integrity throughout the project life cycle;
- Is responsible for development, implementation and operation of systems engineering processes and procedures required for configuration management, change management, interface management;
- Is responsible for the development, implementation and operation of other processes and procedures required for design control, especially for the reinforcement of gate reviews during the project lifecycle;
- Ensures the nuclear grade quality technical standard for engineering analysis, calculation and simulation;
- Ensures appropriate implementation of technical codes and standards to the engineering and the design work;
- Defines the overall strategy (organization, methods, procedure, roles & responsibilities) for the equipment qualification in view of qualifying all ITER safety related;
- Provides reliable information to the Project Control Office (PCO) in compliance with work delivery consistent with the budget, and manages the work force of the Department;
- Ensures staff qualification and development, organizing trainings to maximize human capital and people's commitment to achieving the IO goals;
- May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays.

## Measures of Effectiveness

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- Establishes efficient processes and procedures required for the design control, configuration management, system design and integration, computer code and model development, and documents and records;
- Coordinates efficiently, at the project level, the control of the design integration and configuration management, the systems engineering, computer code, engineering models and the technical documentation of the project which must ultimately include up-to-date as-built drawings of the entire machine;
- Effective communication with the managers and staff to foster a collaborative and productive behavior and working environment in order to achieve their performance targets;
- Shows the strong leadership in solving unanticipated design issues emerged;
- Maintains effective communication with all ITER Organization (IO) units and other project stakeholders;
- Is responsible for CIO deliverables that meet safety standards, quality schedule and cost requirements;
- Is responsible for adherence to technical standards;
- Plays a role as a model for an IO staff member committing to the nuclear safety culture.

## Qualifications and Experience

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- **Professional Experience:**
  - Demonstrated record of accomplishment in supervisory responsibilities, within a complex science research infrastructure, or nuclear facility, engineering/construction environment.
- **Education:**
  - Master's Degree in Mechanical, Nuclear, Electrical, or equivalent Engineering degree.
- **Language requirements:**
  - Fluent in English (written and spoken).
- **Other requirements:**

- For staff expected to perform on-call, shift hours, or other work outside ITER Organization reference working hours, including nights, weekends, and public holidays, the possession of a driving license valid in France is required. No commuting vehicle will be provided by the ITER Organization.
- **Technical competencies and demonstrated experience in:**
  - Systems function, physics, and engineering of magnetic fusion devices at overall system level, as well as individual component level, is essential;
  - Interface management: collaborating with technical, operational and contractual interfaces and proactively reaching resolution of issues to ensure effective communications with all stakeholders;
  - Leading cross-functional value engineering programs to be concluded together with the relevant department managers;
  - Design, analysis, fabrication of complex systems which include mission critical subsystems;
  - Systems engineering processes, including configuration management;
  - Applying value engineering methods at overall system level;
  - The use of nuclear codes and standards;
  - Assembly, integration, and verification of complex research infrastructures or nuclear facilities;
  - Interaction with high level stakeholders in the scientific/technical international environment;
  - Quality Assurance and Quality Control management and implementation;
  - Anticipating and/or identifying and solving issues, technical challenges, and risks in complex projects, and taking corrective action within scope of responsibility.
- **Specific Behavioral Competencies (in addition to core competencies):**
  - Strong leadership qualities.

***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 (Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members) :
  - 1) Nuclear Safety, Environment, Radioprotection and Pressured Equipment
  - 2) Occupational Health, Safety & Security
  - 3) Quality Assurance Processes
- ITER Core Behavioral Competencies :
  - 1) **Collaborate:** Ability to facilitate dialogue with a wide variety of contributors and stakeholders
  - 2) **Communicate Effectively:** Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment
  - 3) **Drive Results:** Ability to persist in the face of challenges to meet deadlines with high standards
  - 4) **Manage Complexity:** Ability to analyze multiple and diverse sources of information to understand problems accurately before moving to proposals
  - 5) **Instill Trust:** Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity
- 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.