

# Job Title: Systems Integration Configuration Manager IO0906

Req ID 1340 - Posted 27/02/2020 - (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:** 12/04/2020

**Domain:** Engineering

**Department:** Central Integration Office

**Division:** Physical & Functional Integration

**Job Family:** Project Engineering

**Job Role:** Coordinating Engineer

**Job Grade:** P4

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

**Contract duration:** Up to 5 years

## Purpose

To manage the control of integrated systems configuration in accordance with the Project requirements;

To control the development of the systems, coordinate the planning and the implementation of system engineering processes, in particular for interfaces and requirements management;

To coordinate the definition of the system's commissioning state, on the basis of machine operating scenarios and a project staged approach.

## Background

Physical and Functional Integration Division is in charge of integration studies and reviews for the ITER project. Within this division, System Integration Section has the responsibility to support design teams in system engineering activities and especially requirement, configuration and interfaces management.

## Major Duties/Roles & Responsibilities

- Develops and implements Systems Engineering Plans, including requirements management, interface control and transverse functions;
- In line with the maturity of the systems, is responsible for reviewing a variety of baseline documents throughout the lifecycle of the integration of the systems;

- Plans, organizes and manages the preparation of gate reviews in order to verify the implementation of the integrated requirements and environmental constraints and provides/tracks corrective actions when necessary;
- Controls the compliance and integration of engineering diagrams with respect to the Project's requirements, taking care of both functional interfaces as well as transverse requirements;
- Ensures the configuration control of engineering diagrams for both functional integration purposes and for the preparation of commissioning and operation;
- Manages the collaboration with the Responsible Officers for the implementation of the Systems Engineering approach;
- Creates the plan for the validation of requirements during commissioning and coordinates its proper implementation;
- Participates in Configuration Management tasks, including the technical assessment of change control, deviation requests and non-conformities;
- Performs any other duty related to the Project's Requirements and associated Functional Analysis;
- May be required to work shifts during the ITER commissioning and Integrate-commissioning phases, outside ITER Organization reference working hours, including nights, weekends and public holidays;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project.

### Measures of Effectiveness

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- Enhances and maintains efficiently the ITER System's functional integration;
- Implements Systems Engineering processes within the defined quality, cost and schedule;
- Prepares and manages test(s) of the Integrated Systems, as validated by ITER's requirements and functionalities;
- Coordinates efficiently associated activities with clarity and in a timely manner;
- Collaborates with relevant Technical Responsible Officers in a professional manner;
- Provides sound advice for implementation of corrective actions where necessary.

### Experience & Profile

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- **Professional Experience:**
  - At least 10 years' experience of implementing Systems Engineering on complex engineering projects, preferably within an international environment.
- **Education:**
  - Master's degree or equivalent in Mechanical or Nuclear Engineering, or other relevant discipline;
  - A certification in Project Management would be advantageous;
  - 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 in:**
  - Managing design (especially functional analysis), procurement, construction and commissioning;
  - Developing and implementing systems engineering practices;
  - Using Microsoft Office package;
  - Using DOORS and PLM is considered as an advantage.

- Engineering, construction and commissioning of nuclear facilities and in the Quality Assurance/Control and nuclear quality standards implementation is considered as an 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 define problems accurately before moving to proposals;
    - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity;
    - Flexible and proactive approach oriented on problem solving.
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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.