

## Job Title: Quality Engineer IO0752

Requisition ID **7149** - 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.

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:** 12/11/2023

**Department:** Safety & Quality Department

**Division:** Quality Management Division

**Section:** Not applicable

**Group:** Quality Assurance

**Job Family:** Project Support

**Job Role:** Functional Officer – 2

**Job Grade:** G6

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

**Contract Duration:** Up to 5 years

### **Purpose**

As a Quality Engineer, you will coordinate or witness that all Critical Quality Activities are performed correctly and verifiably with the required tracking to meet quality and safety defined requirements.

You will be responsible for performing quality monitoring (documentation review, Non-Conformance Report management quality assessment), including direct product inspections as may be requested, in order to check compliance with applicable Quality Requirements.

In particular, you will be requested to support assigned technical teams to ensure the implementation of quality assurance requirements and quality supervision tasks.

### **Background**

Considering complexity of the Tokamak and cost of repair or rework, and the potential impact on future operational performance means that appropriately strict quality assurance (QA) and quality supervision

shall be applied, depending on the required quality level.

### **Key Duties, Scope, and Level of Accountability**

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- Monitors and reviews procurement documentation for the correct application of specified requirements and proper implementation of quality procedures;
- Advises on quality related issues including materials, design, manufacturing, construction;
- Reviews quality plans, non-conformance reports, inspection plans, final quality documentation, subcontractor documentation and other quality related documentation,
- Participates in tendering phases to ensure that quality requirements are met (evaluates the tendering offers from quality point of view, ensures quality evaluation of the suppliers by conducting audits and QS activities);
- Monitors the execution of Management and Quality Program procedures / processes and compliance with applicable requirements;
- Performs quality checks during qualification, manufacturing and testing activities, taking into account IO requirements, French regulation requirements (PED, ESPN);
- Verifies that the products conforms to agreed requirements according to applicable codes, standards and purchase arrangements;
- Supports Operational teams on Quality issues and discussion;
- Identifies potential non-conformance and identify quality risks;
- Provides support in NCR treatment follow up and monitoring of corrective and remedial actions ( e.g. repairs works).

### **Measure of Effectiveness**

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- Contributes efficiently to the quality activities and quality surveillance activities for ITER systems and/or components in a timely manner and within defined costs;
- Ensures specifications and associated documentation are consistent, clear and correct.
- Monitors the suppliers and contractors activities associated to assigned area and closes efficiently Non-Conformity Reports (NCRs) demonstrating the effectiveness of corrective actions;
- Ensures effective review of procurement quality documentation, quality plans, inspection and Test Plans and solution of Non-Conformity Reports in a timely manner;
- Collaborates and communicates effectively and professionally with all stakeholders and maintains excellent relations with interfacing teams;
- Ensures continuous involvement and support for improvement of quality management system (procedures preparation/revision, process approach application, KPIs measurements and reporting etc.);
- Ensures continuous collaboration with Domestic Agencies (DAs) on all quality aspects (quality assurance topics, quality supervision and gates management);

### **Experience & Profile**

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- **Professional Experience:**
  - Minimum 9 years' experience in quality assurance, quality inspection/supervision related to field inspections and tests on mechanical and instrumentation within complex international environments or projects.
- **Education:**
  - Bachelor's degree in Electrical / Mechanical 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:**
  - Quality audits: perform internal quality audits on IO processes and external quality audits to IO suppliers and contractors., including ISO 9001 quality system audits;
  - Quality data analysis by using statistical method and suggestions for quality improvement;
  - Quality supervision and independent quality assessment: verify compliance of all applicable quality requirements and regulations;

- Problem Solving: Identifying problems in a comprehensive and fact-based manner (who, what, when, ...), and proposing practical solutions in a consistent way to reach project objectives;
  - Reporting, follow up and management of actions: summarize and communicate (written and verbal) technical reports, recording, checking and ensuring implementation of actions based on evidence.
  - Proven experience in the construction phase, fabrication and installation supervision of large and complex systems for nuclear plants or oil and gas sectors.
  - Managing lessons learned and promoting a strong quality and safety culture;
  - Knowledge and expertise for management of counterfeit, fraudulent and suspect items is considered as advantageous.
  - **IO Core 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/define 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 (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
- 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 or Department 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.
- 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.