

Job Title: Maintenance Management Officer IO0708

Requisition ID **7080** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Machine Operations - 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: 16/08/2023

Department: Science, Controls & Operation Department

Division: Operations Division

Group: Maintenance

Job Family: Engineering

Job Role: Engineer – 3

Job Grade: P3

Language Requirements: Fluent in English (written & spoken)

Contract Duration: Up to 5 years

Purpose

As a Maintenance Management Officer, you will support the Maintenance Group Leader in the planning and implementation of start-up, testing, commissioning, preservation and maintenance activities for the ITER facility.

Additionally, you will coordinate the development of the Maintenance and Inspection plans for all plant systems, including the assessment of system designs for maintainability and subsequently supporting system designers in optimizing designs and layouts to suit maintenance purposes.

Finally, you will lead the RAMI (Reliability, Availability, Maintainability and Inspectability) analysis program, ensuring the results are integrated into the design and operation of plant and systems and the Equipment preservation process.

Background

The Operations Division is responsible for developing plans and procedures for implementation of commissioning, operation and maintenance work processes of the ITER Tokamak and plant system in a

staged approach. Part of Operation Division, Maintenance group is charge of the coordination of the preparation of all the documents, tools and contracts which are needed to inspect and maintain ITER assets in a safe and reliable manner complying with the applicable legislation.

Key Duties, Scope, and Level of Accountability

- Establishes and manages the process for development of System Maintenance & Inspection plans, ensuring compliance with the ITER Project Requirements and Nuclear Safety principles, and supports system designers in development of those plans, and/or initiates creation of system maintenance plans directly as required;
- Defines the overall maintenance strategy for the facility for operations phases, and reports on progress to senior management level, focusing on the obligations to fulfil the requirements related to a nuclear installation;
- Supports the Division in the development of the Maintenance Management Process, including development of technical and quality procedures as required;
- Leads and coordinates the Equipment Preservation Process, including propagation of the process within the organization to ensure equipment is preserved in good condition prior to entering in service. Monitors the process implementation on-site, and reports KPIs on a regular basis to senior management level.
- Provides technical expertise and input to development preservation strategies and application of preservation techniques;
- Leads and coordinates the assessment of system designs for Maintainability, via establishing requirements/guidelines for maintainability, and ensuring that system designs are assessed for compliance with those standards;
- Supports system designers in resolving maintainability issues, and optimizing system designs for maintenance purposes, driving improvement in application of methods and tools for maintainability analysis within the organization;
- Leads and coordinates the ITER RAMI Programme, ensuring that all systems undertake RAMI analysis in line with the Project Requirements, supports system designers in integrating the results into system designs and maintenance and operation plans;
- Participates in design reviews as Maintenance representative, and provides expert assessment on matters related to RAMI and maintenance;
- Reviews deliverables and documents associated with the above scope;
- May be requested to perform other duties in support of the project;
- May be required to work outside the ITER Organization (IO) reference working hours, including nights, week-ends and public holidays.

Measures of Effectiveness

- Develops, implements and maintains ITER maintenance procedures and activities that comply with the nuclear safety requirements;
- Drives progress in development of System Maintenance & Inspection plans with System Designers, including providing coaching and support so that maintenance deliverables are issued according to agreed project schedules;
- Develops and implements quality and technical procedures in support of the Maintenance Management Process (including those related to Nuclear Maintenance) within defined parameters;
- Ensures that all systems/areas undertake maintainability assessments as part of the design development process, and that any issues are identified and communicated to the appropriate levels for resolution;
- Successfully manages the ITER RAMI programme, and ensures that the outputs are integrated in to system designs within defined timelines;
- Identifies best practice from industry and implements these techniques across the installation, demonstrating how maintenance can be improved from an ALARA perspective;
- Identifies and monitors KPIs for processes which they are responsible, and periodically reports progress to senior management as required.

Experience & Profile

- **Professional Experience:**

- Minimum 8 years of experience in the operations and/or maintenance of large research, nuclear or industrial facilities within complex international environments or projects.
- **Education**
 - Master's degree or equivalent in engineering or project management 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 experience and demonstrated competencies in:**
 - Maintenance and inspection of complex sub-systems such as first of a kind systems or very specific mechanical systems involved in Nuclear industry or research facilities
 - Application and interpretation of RAMI (or similar type of) analysis in the framework of a major research or industrial facility;
 - Nuclear and occupational safety rules (access, radioprotection, dose limits, waste, decontamination, contamination control, radiological protection and health physics etc.);
 - Leading the development of a maintenance strategy and related maintenance and inspection plans for various types of plant systems;
 - Excellent knowledge of industry standards related to engineering and project management, in particular with direct experience in large multinational projects, etc;
 - Project management: planning, measuring progress, managing risks and costs, and reporting on progress to manage programs or initiatives within the constraints of human and financial constraints;
 - Writing and presentation: write and review contractual and technical documents in the domain of expertise, document and transmit knowledge with data, clarity, and precision;
 - Knowledge of Reliasoft for RAMI analysis would be an advantage;
 - Knowledge of SAP-PM would be 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 understand/define problems accurately before moving to proposals;
 - Instill trust: Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
- **Additional Behavioral Competencies:**
 - Action oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy and enthusiasm.

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.