

Job Title: Non-Destructive Examination (NDE) Coordinator IO0514

Requisition ID **7562** - Posted - (France, 13067 St Paul Lez Durance Cedex) - **Construction and Installation - New Posting**

Fusion, the nuclear reaction that powers the sun and the stars, is a promising long-term option for a sustainable, non-carbon emitting global energy supply.

The ITER Organization (IO), based in the southern France, welcomes best talents who can together prepare the way to this new energy in a truly multi-cultural work environment.

We offer challenging assignments in a wide range of areas and encourage applications from candidates with all levels of experience. Applications from under-represented ITER Members' nations and women candidates are strongly encouraged, as IO strongly believes that a diversified, equitable, and inclusive workplace is crucial in solving one of the most complex scientific and engineering projects in the world today.

As the IO attracts and retains people coming from a vast array of different backgrounds and cultures, discrimination and exclusion cannot be tolerated. The IO believes it is our diverse perspectives and background 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.

ITER CARE Values (Collaboration / Accountability / Respect / Excellence):

We perform our work with care, we care for the well-being of colleagues, our families and ourselves, and we care about the health of the planet for generations to come. CARE drives our work and our behaviors at ITER.

To see why ITER is a great place to work, please look at this [video](#)

Application Deadline: 13/10/2024

Department: Safety & Quality Department

Division / Program: Quality Management Division

Section / Project:

Group:

Job Family: Construction

Job Role: Engineer – 3

Job Grade: P2/P3

Language Requirements: Fluent in English (written & spoken)

Contract Duration: Initial Employment Contract up to five years with possibility for extension

Overview

Do you have an interest in Non-Destructive Examination (NDE) coordination of large-scale construction and manufacturing activities?

Join our Quality Management Division, where you will support and oversee coordination of NDE activities with IO construction programs & stakeholders, contractors, and Domestic Agencies (DAs).

As a NDE coordinator, your goals include:

Providing support to Quality Management Division head to ensure the NDE activities are properly implemented across the assigned scope.

Success in this role includes:

- Solution oriented assessment of NDE issues during manufacturing and construction;
- Implementing new NDE techniques upon request or as needed.

Key Duties, Scope, and Level of Accountability

- **Primary Responsibilities**

- Advises on optimization of Non-Destructive Testing (NDT) during design, manufacturing, assembly, installation, and commissioning of ITER components;
- Proposes NDT methods and techniques to optimize ITER Project cost and schedule;
- Consults and /or surveys advanced NDT on critical components;
- Validates NDT procedures, methods, and techniques by authenticating demonstrations before applying on actual components;
- Reviews and / or approves NDT procedures, demonstration and validation reports, and NDT reports, etc. for critical components of ITER machine.
- **Additional Responsibilities**
- Trains relevant IO staff and Stakeholders on NDE methods;
- Provides support to Contractors, Plant Breakdown Structures (PBSs), and Programs in the development of advanced NDT techniques, methods, and procedures to carry out NDT;
- Improves quality culture within ITER project by conducting technical trainings on NDT methods, and certifying ITER Staff, ITER Project Associates (IPAs), and DA staff for Supervision of NDT inspection;
- Contributes to resolving disputes of NDT by authenticating or conducting NDT to verify and cross check results obtained during tests.

Experience & Profile

- ***Demonstrated experience and technical competencies in:***
- **P2: Minimum** 5 years' experience in component design, testing, construction, and /or manufacturing of pressure equipment in nuclear or technical environments;
- **P3: Minimum** 8 years' experience in component design, testing, construction, and /or manufacturing of pressure equipment in nuclear or technical environments.
- **Essential competencies and experience** required for success in the role:
 - Non- Destructive Testing: specifying, planning or executing non-destructive testing activities, including maintenance of the associated equipment and tools, while preserving/ensuring quality and integrity and in conformance with safety standards, as well as reparation of the NDT specifications and acceptance criteria for the procurement and installation of welded components;
 - Manufacturing: delivering materials into finished products through various techniques and technologies based on design requirements;
 - Design and implementation of NDE methods, techniques, and procedures;
 - Certified in ASNT and / or ISO 9712 level III;
 - Stakeholder Management: identifying, soliciting, and sustaining effective relationships with individuals and organizations that are involved in, exert influence over, or whose interests may be positively or negatively affected by a project or activity;
 - Procurement: acquiring goods, services, or works from external sources in a cost-effective and efficient manner. Strategic sourcing, contract negotiation, and ensuring compliance with procurement policies and regulations.
 - Scope Management: defining, controlling, and managing the work scope of a project or activity, including the identification and management of changes,
- **Advantageous competencies and experience:**
 - Phased Array Ultrasonic Testing and other NDT methods on Stainless Steel:
 - Applying RCC-MR/RCC-M and/or ASME codes to Pressure Equipment or Nuclear Pressure Equipment and implementing requirements:
- **Education:**
 - **Essential:**
 - Master's degree or equivalent in mechanical engineering 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).
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The following items apply to all jobs and job holders for the duration of tenure at ITER Organization:

- **The CARE Values are a framework of principles that guide our actions and define the culture and spirit of the ITER Project:**

Collaboration: We collaborate with commitment and flexibility using the power of teamwork, building partnerships, and working with others to reach shared objectives;

Accountability: We are accountable for the whole project - we take responsibility for our specific actions and are transparent in our daily work, holding self (ourselves) and others accountable to meet commitments;

Respect: We treat each other with respect and dignity at all times, knowing that all of us belong here. We appreciate the value that our multicultural and diverse community brings to the ITER Project;

Excellence: We are driven by excellence; we are agile and innovative while maintaining the highest standards of safety, quality and integrity;

- **ITER Core Technical Competencies:**

1) **Nuclear Safety, Environment, Radioprotection and Pressured Equipment**

2) **Occupational Health, Safety & Security**

3) **Quality Control & 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 perform other duties in support of the project as defined by your line manager, and when relevant upon the request of the matrix manager;
- May be requested to work outside the ITER Organization reference working hours, including nights, weekends and public holidays, due to business needs - this may include on-call, shift work, etc.
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;
- 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.**
- Informs management of any important and urgent issues that cannot be handled by line or matrix management and that may jeopardize the achievement of the Project's objectives;

The ITER Organization (IO) is an Equal Opportunity organization committed to diversity and inclusive in the workplace.