

## Job Title: Data Management Section Leader IO0317

Requisition ID **7143** - Posted - (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.

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:** Science & Integration Department

**Division:** Central Integration Division

**Section:** Data Management Section

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

**Job Role:** Section Leader

**Job Grade:** P5

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

**Contract Duration:** Up to 5 years

### **Purpose**

As a Data Management Section Leader, you will be responsible for leading the development, implementation and management of Information Technology (IT) activities related to integrated engineering data management.

You will manage a team of IT software development experts and off-site contractors configuring and customizing commercial solutions and developing in-house applications like the ITER Document Management System (IDM) and related engineering applications.

### **Background**

*At ITER, engineering data are typically distributed among various commercial and in-house software/database systems. A common platform should be developed to connect all these data silos to ensure data consistency as needed for supporting system engineering, configuration management, design integration and construction/commissioning/operation activities for the ITER project.*

## Key Duties, Scope, and Level of Accountability

- Provides effective leadership for the Section ensuring team members are motivated and constantly developing their skills and experience;
- Prepares work plans, ensures a balanced workload distribution, monitors work performance and assesses staff development needs;
- Develops the strategy to consolidate ITER engineering software packages and databases towards a system offering a single source of truth for the various stages of the project;
- Develops robust and efficient architectures for content management via web applications using a selected framework (currently ASP.NET framework, MSSQL, Angular);
- Manages the implementation of interfaces between various software packages used at ITER using standard technologies;
- Investigates the potential use of AI for the project needs;
- Builds and maintains relationship with Domestic Agencies (DAs) and internal and external stakeholders;
- Provides leadership in safety and security;
- 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.

## Measure of Effectiveness

- Demonstrates efficient leadership in supervising staff of the section and developing their competencies and ensuring commitment of the team to achieve the IO goals;
- Takes proactive actions to anticipate issues;
- Responsible for Section deliverables meeting safety standards, quality schedule and cost requirements;
- Provides expert guidance to develop the relevant strategy to be developed and implemented as necessary for the IO within the defined schedule;
- Ensures that the developed IT software/database systems are continuously available with quick response times;
- Develops a consistent data management system for the core engineering data for the full lifecycle of ITER;
- Collaborates effectively and professionally with all stakeholders and maintains excellent relations with interfacing teams;
- Successfully generates and maintains trustworthy, up-to-date information related to the machine's technical scope.

## Experience & Profile

- **Professional Experience:**
  - Minimum 10 years' experience in leading an IT group and managing group activities within complex international environments or projects.
- **Education:**
  - Master degree or equivalent in IT, 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:**
  - Strategy and Architecture: Deep knowledge of Software Development Project and Processes Management, especially software interfaces;
  - Development and Implementation: Experience in developing an ITER-like system (ASP.NET in VB/C# and Angular) or AI technologies is an advantage;
  - Change and Transformation: Demonstrated ability to lead a software development team and to interact with experts in many scientific disciplines;
  - Information systems: Excellent and broad computer and IT skills are mandatory such as:
    - .NET (C#, VB), MSSQL, Angular, JScript;
    - Excellent analytical and problem solving skills;

- Understanding of complex information and requirements;
- Good prioritization skills and be flexible enough to adapt plans.
- **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.

***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.