

## Engineer for Integration of Tokamak and Plant Systems

PRO-087

<b>Reports to Line Manager:</b>	Head of Design Integration Section, Project Office	<b>Job Code:</b>	PRO-087
<b>Direct Employment:</b>	Not Required	<b>Grade:</b>	P4

### Purpose

To Manage the Integration of ITER Tokamak and plant systems, develop and maintain the configuration of the Machine Baseline with monitoring functional – physical interfaces between the systems.

### Major Duties/Responsibilities

china

eu

india

japan

korea

ru<sup>s</sup>sia

usa

- Develops and maintains the Configuration Management Model of the Machine Baseline together with general arrangement and top level drawings;
- Defines and maintains the physical interfaces in close collaboration with the ITER Design Office and all Departments' Responsible Officers;
- Manages top level documents such as Plant Breakdown Structure with the component identification and Interface Control Documents;
- Checks and promotes to approve the 3D and 2D design data describing the ITER Tokamak and plant systems created by the ITER Departments and Domestic Agencies (DAs);
- Prepares and manages formal design review meetings for the ITER Tokamak and plant systems in preparation for the Procurement Arrangements and during the work in progress;
- Interacts with the ITER Departments, Integration Product Teams and DAs to ensure the completeness and consistency of the Computer Aided Design data and engineering database;
- Interfaces with the Tokamak and Plants Assembly Section together with the Civil Construction and Site support office for all matters of his/her responsibility;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

### Qualifications and Experience

- **Education**
  - Degree at least equivalent to 5-6 years of study after the High School Diploma, in the Engineering field or other relevant discipline.
- **Technical experience**
  - At least 10 years' experience in the design, construction, plant system engineering and integration of large scientific and/or nuclear projects;
  - Good knowledge of the specific design, construction, and assembly aspects of Tokamak systems is an advantage.

- ***Project experience***
  - Demonstrated capability to lead a design team and coordinate the activities of multidisciplinary and geographically dispersed personnel on a complex developmental project.
- ***Social Skills***
  - Excellent capability to interact with experts from different disciplines;
  - Ability to work effectively in a multi-cultural environment.
- ***Language requirements***
  - Fluent in English (written and spoken).

### **Direct Supervisor and Interfaces**

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- Reports to the Design Integration Section Head;
- Interfaces closely with all ITER Departments to ensure interface issues are identified and resolved in a timely manner;
- Interacts with the Integrated Product Teams and ITER Parties (DAs) for all matters relating to Tokamak and plant systems integration.

### **Authority / Approval Levels**

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This position has authority and approval levels generally defined by the Project Office Design Integration Section Leader for his/her scope of work.

### **Measures of Effectiveness**

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- Successfully and effectively coordinates integration activities and management of the Baseline Configuration;
- Successfully maintains effective communication within the Project Office, the Departments and with all interfacing organizations.