

## Engineer for Tokamak Integration and Tolerance Management

PRO-088

<b>Reports to Line Manager:</b>	Design Integration Section Leader, Project Office	<b>Job Code:</b>	PRO-088
<b>Direct Employment:</b>	Not Required	<b>Grade:</b>	P4

### Purpose

To manage integration aspects of the ITER Tokamak and to set-up an overall tolerance system.

### Major Duties/Responsibilities

- Performs integration activities for the Tokamak core device in close relationship with the Tokamak Department, including defining and coordinating interfaces, resolving conflicts,
- Establish and validate manufacturing tolerances, develop a method to control the tolerance throughout the whole engineering process and assess related risks,
- Coordinates design activities within ITER and with DAs when required (eg: Edge Localised Mode coil activities);
- Prepares and implements coordination procedures that will ensure effective management of critical areas;
- Conducts reviews as required to identify and resolve interface issues within the Tokamak machine;
- 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, system engineering and integration of large scientific and/or nuclear projects;
  - Good knowledge of the specific design, construction, and assembly aspects of Tokamak systems.
- Project experience**
  - Demonstrated capability to lead a design team and coordinate the activities of multidisciplinary and geographically dispersed personnel on a complex developmental project;
  - Ability to work effectively in a multi-cultural environment.
- Social Skills**
  - Excellent capability to interact with experts from different disciplines.
- 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 Divisions within the Tokamak Department and with other ITER Departments, to ensure interface and tolerance-positioning issues are identified and resolved in a timely manner;
- Interacts with the Integrated Product Teams and ITER Parties for all matters relating to Tokamak Integration.

## **Authority / Approval Levels**

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

## **Measures of Effectiveness**

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- Successfully and effectively coordinates integration activities for the Tokamak core device;
- Successfully maintains effective communication within the Project Office, the Departments and with all interfacing organizations.