

Technical Officer for Tokamak Operations

PRO-083

Reports to Line Manager:	Operation Section Leader, Project Office	Job Code:	PRO-083
Direct Employment:	Required	Grade:	G5

Purpose

To support the Operations Section and contribute in all technical matters related to the ITER Tokamak Operations listed below. This position interfaces with the Project Office and all ITER technical departments.

Major Duties/Responsibilities

china

eu

india

japan

korea

russia

usa

- Assists the Tokamak Operations Section in activities related to the interfaces between the Operations Section, the Project Office and the IO Technical Departments;
- Participates in the definition of technical needs in all matters related to the Tokamak operation;
- Produces, in close collaboration with the other members of the Operation Section, technical documents and procedures in relation with:
 - Daily Tokamak operation preparation,
 - Sub-system operation and pulse sequence supervision,
 - Interlock policy,
 - Operational readiness, constraints and limits,
 - Shift team activities, roles and responsibilities,
 - “Flight Simulation Training Facility” for machine operator training programme.
- Assists the Leader of the Operations Section in preparation and updating of Integrated Commissioning and Machine Operation plans;
- Collaborates with the Reliability & Maintenance Team members to control the RAMI requirements during the sub-system manufacturing and acceptance testing for installation;
- Shows strong commitment to the ITER Safety Program and Technical risk control and enforces them through individual behaviour and in his/her organization;
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics;
- Possibility to become a shift officer (> 3 years) and to later coordinate the technical shift team for testing, operation and maintenance.

Qualifications and Experience

- Education:**
 - University degree at least equivalent to 3-4 years of study after the High School Diploma, in Engineering.

- **Technical experience:**
 - At least 10 years of professional experience in the operation, testing, commissioning and maintenance of a large experimental facility;
 - Experience in instrumentation, command-control and the operation of complex systems and utilities (cryogenics, water, electricity, gas);
 - Experience in the operation of a Magnetic Fusion Facility is desirable;
 - Experience in technical risk control, nuclear safety and security aspects (access, radioprotection, dose limits, waste...) would be an advantage.
- **Social Skills:**
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.
- **Language requirements:**
 - Fluent in English (written and spoken);
 - Knowledge of the host language (French) and/or some of the participating member languages are not mandatory but would be an advantage.
- **Computer and IT skills:**
 - Demonstrated experience with office administration and IT tools.

Direct Supervisor and Interfaces

- Reports to the Head of the Operations Section.

Authority / Approval Levels

This position has approval levels defined by the Operations Section leader.

Measures of Effectiveness

- Successfully executes the ITER scope, cost and schedule for the ITER project as laid out in his/her duties and responsibilities;
- Successfully contributes to a team effort and the leadership provided by the Operations Section and Project Office.