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Ref. IO2129 - 6/21/2019

Section Leader TED-130

Main job Diagnostics

Department TED / Tokamak Engineering Department

Division TED / Port Plugs & Diagnostics Integration Division

Section TED / PPD / Ex-Vessel Diagnostics Section

Job Family Section Leader

Application Deadline (MM/DD/YYYY) 07/28/2019

Grade P5

Direct employment Not required

Purpose As a Section leader, you'll manage a team of highly motivated scientists and engineers in the successful execution of the project and work closely with the ITER Domestic Agencies (DAs) staff. To implement ITER diagnostics with specific responsibility for the Diagnostics Ex- Vessel Systems of the project and all the issues related to this area. To manage the design and performance assessment, procurement, the installation, the commissioning and the preparation of the operation of these systems within the Port Plugs & Diagnostic Integration Division, in respect to safety and quality standards.

Background

The Port Plugs and Diagnostic Integration Division has the function to provide all the Diagnostics for ITER along with the engineering infrastructures and test system to support these. The Ex-Vessel Section will take responsibility for approximately half of the diagnostics and guide them through design, manufacturing, installation and commissioning always keeping efficient operation in view. The Division also has an In-vessel Diagnostics Section along with an Engineering Section that manages engineering justification and integration.

Please note that an organizational restructuring is planned in accordance with the needs of the organization and the evolution of the project phases. In this context, the unit of assignment of the present position may be updated in late 2019, early 2020.

SAP Id: 50002033

Main duties / Responsibilities

Provides effective leadership for the Section, ensuring team members are performing their assigned duties well, remaining motivated and constantly developing their own skills and experience for the benefit of themselves and ITER Organization (IO);
Manages the team to carry out all necessary steps, including preparation of associated procurement packages, overseeing and monitoring the design and Research & Development;
Is responsible for the appropriate design, procurement & implementation of the Ex-Vessel Systems broadly as follows: Neutron Systems, Spectroscopy, Optical, Diagnostic Integration, Operational Systems Management of Diagnostic Specific databases;
Follows up on Procurement Arrangements (PAs) to complete the designs and leads manufacturing and installation;
Writes as appropriate and also reviews all relevant documents related to design, fabrication and integration of the appropriate diagnostics systems, working closely with the DAs in all of the required steps;
Oversees IO's qualification, manufacturing and works test, managing appropriate interfaces as they arise, identifying and managing effectively risk;
Prepares for the installation of the systems in close collaboration with the Construction Team;
Prepares for the commissioning of these systems in close collaboration with the Commissioning and Operations Sections;
Reports variances on all technical, cost and schedule aspects immediately to the Division Head;
May be required to work outside normal working hours, including nights, weekends and public holidays;
May be requested to be part of any of the project/construction teams and perform other duties.

Measures of effectiveness	Develops all aspects of the Diagnostics Ex-Vessel systems design according to the defined schedule; Ensures DAs' manufacturing qualification, manufacturing and works testing; Section deliverables meet safety standards, quality schedule and cost requirements; Sound implementation of safety nuclear regulation and other safety standards of the section's work; Developed and approved high quality technical documentation for procurement; All interfaces of high quality and well defined; Developed and approved installation plans within the defined schedule and cost; Successful collaboration with technical partners in DAs and other Departments at IO.
Level of study	Master or equivalent degree
Diploma	Physics/Engineering or other relevant discipline
Level of experience	At least 10 years
Technical experience/knowledge	At least 10 years' experience in the design of Diagnostics in large Tokamaks or similarly complex projects including managerial responsibilities within an international environment; Demonstrated experience in technical project management and in managing contracts, controlling the deliverables in regard to the safety, technical, schedule and costs requirements; Proven experience of leadership and management of teams; Experience in effective Quality Assurance and Quality Control management and implementation; Identify issues and delays in a project and take corrective action within scope of responsibility; Propose recovery plan and ensure its implementation; Able to anticipate complex and challenging technical issues or problems, drawing on experience and expertise; Able to identify, resolve and maintain technical and functional interfaces; Able to plan verification of compliance of the systems with all applicable requirements and formulate and execute recovery plans.
General skills	Collaborate: Ability to lead a 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 gather multiple and diverse sources of information to understand problems accurately before moving to proposals/solutions;. Instill trust: Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.
Others	Proficiency of Office software and familiarity with technical software is a strong asset; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
Languages	English (Fluent)

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