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JOB DETAIL

Ref. IO2089 - 3/19/2019

Operations Division Head SCOD-055

Main job Generalist

Department SCOD / Science & Operations Department

Division SCOD / Operations Division

Job Family Head of Division

Application Deadline
(MM/DD/YYYY) 04/14/2019

Grade D1

Direct employment Required

Purpose To manage all operational aspects of the ITER facility, in particular commissioning, operation and maintenance of ITER plant systems, commissioning, operations and maintenance of the ITER tokamak, training of shift operations managers and shift technicians, and management of scope, schedule, cost, risk, and quality of the related work.
To generate documentation related to ITER commissioning, operation, and maintenance including the Technical Baseline for operations and maintenance, and any material required by regulatory bodies.

Main duties / Responsibilities Develops the overall operations framework of the ITER facility for all phases of the ITER lifecycle, including production of the required documentation;
Coordinates and implements the system commissioning and the transition to operations for all ITER plant systems in coordination with Construction and Engineering Departments;
Manages the operation and maintenance of ITER facility following commissioning;
Prepares and executes the detailed plan for Integrated Commissioning, First Plasma, and Engineering Commissioning, including operation of the magnet systems up to full specifications;
Defines the strategy and procedures for maintenance of the facility, including Reliability, Availability, Maintainability, Inspectability (RAMI) analysis and use of contractors for maintenance;
Ensures that ITER Project Specifications and Project Requirements related to operations are properly understood and implemented;
Supports regulatory and licensing activities by proposing procedures for operation of the ITER facility, including integration of Human and Organizational Factor analysis in the plan for operations;
Facilitates training of shift operations managers and shift technicians, including development of an ITER Plant Simulator in concert with other stakeholders in the Department;
Executes and delivers the Detailed Work Schedule for scope, budget and schedule of the systems in the Division, including generating and implementing the staffing plan for the Division;
Provides effective leadership for the Division, ensuring team members are motivated and constantly developing their skills and experience;
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 to perform other duties in support of the project schedule;

Measures of effectiveness Reports to the Head of Science and Operations Department;
Maintains close liaison with other Divisions in the Science and Operations Department, other ITER Organization Departments and Domestic Agencies with regard to operational issues;
Collaborates closely with the ITER Operations Network and the Members' fusion facilities to integrate best practices from existing facilities based on ITER needs;
Proactively supports the Department Head in realizing ITER operations, in particular, in the areas of system commissioning, integrated commissioning, operations and maintenance planning;
Manages efficiently the development of plans, procedures, and work instructions to commission, operate, and maintain the ITER facility;
Manages effectively the continued development of key documentation, especially the Technical Baseline for commissioning, operations, and maintenance;
Establishes productive collaborations with fusion

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community and Members' fusion facilities to integrate best experience in preparation for efficient exploitation of ITER; Maintains excellent communications with all IO units and with stakeholders across the Members' fusion research communities.

SAP Id : 50005232

Level of study	PhD or Master's Degree
Diploma	in a relevant scientific or engineering discipline
Level of experience	At least 15 years
Technical experience/knowledge	<p>At least 15 years' experience in facility operations involving cryogenic fluids, high-pressure water, high vacuum, and high voltage electrical systems;</p> <p>Excellent experience in coordinating or leading operational aspects of a facility as defined above;</p> <p>Aforementioned experience in a fusion will be considered a strong advantage;</p> <p>Experience in an international or cross-cultural environment and experience in a scientific research facility are highly desirable;</p> <p>Experience in jobs involving similar work responsibilities and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</p>
People management experience	<p>At least 10 years' experience of managing research and/or project teams in a major research organization;</p> <p>Ability to provide effective leadership in a first-of-kind environment, motivating team members to apply their skills and experience in a new situation and to develop new skills as needed.</p>
General skills	<p>Collaborate: Ability to dialogue with a wide variety of contributors and stakeholders;</p> <p>Communicate Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;</p> <p>Drive results: Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>Manage Complexity: Ability to gather multiple and diverse sources of information to define problems accurately before moving to proposals;</p> <p>Instill trust: Ability to apply high standards of team mind-set, trust, excellence, loyalty and integrity.</p>
Others	<p>Computer and IT skills consistent with managing within a complex international project;</p> <p>An understanding of the role of and requirements for plant simulation of a fusion facility would be an advantage.</p>
Languages	English (Fluent)

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