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JOB DETAIL

Ref. IO1750 - 8/12/2016

ITER Machine Operation Officer - SCOD-018

Main job	Control system
Department	SCOD / Science & Operations Department
Division	SCOD / Operation Management Section/Division
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	09/25/2016
Grade	P3
Direct employment	Not required
Purpose	To ensure an efficient support in the matter of the investment protection and safe operation relating to ITER Machine Commissioning and Operation
Main duties / Responsibilities	<p>-Ensures the coordination between the Commissioning and Operations activities, ITER Organization (IO) Departments and external stakeholders with regard to machine and plasma operation issues for the ITER construction phase, in particular regarding central instrumentation & control, interlock and safety systems and collaboration with Plasma Operations;</p> <p>-Prepares the specification and oversees implementation of adequate protection and control systems to protect the ITER Machine and maintain safe operations;</p> <p>-Proposes, develops and produces specifications and procedures for ITER machine operation needs in the following areas:</p> <p>-Review of commissioning and operating procedures of plant systems;</p> <p>-Command-control, interlock, safety and plasma control systems, and the associated man machine interfaces;</p> <p>-Instrumentation for overall systems in relation to the needs for machine operation, technical parameter measurements, real time control loops and equipment protection;</p> <p>-Reviews functional requirements of systems and facilities for machine operations (man machine interfaces, communications, test facilities, systems for testing and commissioning), and develops the design of control rooms;</p> <p>-Supports activities related to testing, commissioning and operation for all matters relating to machine operations;</p> <p>-Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>-May be requested to be part of any of the project team and perform other duties upon management request;</p> <p>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>-Reports to the Operation Management Section/Division Head;</p> <p>-Acts as an interface between the Science & Operations Departments, other ITER Organization Departments and external stakeholders concerning machine operations issues;</p>
Measures of effectiveness	<p>-In response to requests from the Director-General and/or Science & Operations Department (SCOD) Head, or proactively, informs the DG/ SCOD Head of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives.</p> <p>-Successfully aids the ITER Project to define and establish operations personnel, interfaces, tools and procedures;</p> <p>-Contributes efficiently to the flow down of the ITER Concept of Operations to Plant Systems;</p> <p>-Provides efficient support in managing the testing and commissioning of ITER systems and in ensuring the ITER machine enters into Operation successfully.</p>

My space

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Project Construction Phase ID SAP: 50001009	
Level of study	At least Master's Degree or equivalent
Diploma	Nuclear Physics or Engineering field
Level of experience	At least 8 years
Technical experience/knowledge	-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree; -Knowledge of plasma engineering and physics principles relating to magnetic fusion devices, systems necessary to produce plasma discharges and associated real time control loops as well as machine protection interlocks and safety systems; -Knowledge of basic nuclear safety rules and security aspects (access, radioprotection, dose limits, waste, etc.); -Knowledge of ITER 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 spirit
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	-At least 8 years' experience in operations of fusion devices with a broad experience in plasma control, command-control, data processing, instrumentation and plasma engineering; -At least 5 years' experience in the project management of fusion device operations, including control room and site control responsibilities; -Experience in nuclear devices would be an advantage
Others	-Experience in computer systems and man-machine interfaces required for machine operations and control rooms.
Languages	English (Fluent)

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