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JOB DETAIL

Ref. IO1791 - 11/17/2016

TBM Project Engineer - TED-094

Main job	Environment technologies
Department	TED / Tokamak Engineering Department
Division	TED / Internal Components Division
Section	TED / INC / Tritium Breeding Blanket Systems Section
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	12/29/2016
Grade	P3
Direct employment	Required
Purpose	-To be Technical Responsible Officer for the interface documentation of the Test Blanket Systems (TBSs) and associated equipment with all the other ITER systems. -To issue all technical documentation concerning the Test Blanket Module (TBM) Program taking into account the components classifications (safety, nuclear pressure vessel, remote handling, tritium, quality class), in particular the baseline documentation such as the System Requirements Document, Interfaces documents with the more than 20 interfacing systems, the remote handling and maintenance documents; the documentation has to take into account applicable Codes & Standards requirements; -To review all documents received from the TBM Teams of the ITER Members (IM) from the point of view of the compliance with the systems and components classifications; -To review the documentation related to manufacturing aspects on the components procured under the IO responsibility within the framework of the TBM Program.
Main duties / Responsibilities	-Is the Technical Responsible Officer for all the documentation related to Remote- Handling operations and, in general, for all maintenance operations; -Is the Technical Responsible Officer for all documentation related to the overall safety performance demonstrating the application of the ALARA principle; -Contributes to the preparation of the documentation related to the acceptance test and acceptance criteria for the components and infrastructure in charge to IO and the associated documents ; -Supports the preparation of the new TBM Arrangements to cover all the phases after the TBSs components delivery not included in the present TBM Arrangements; -Supports the preparation of the revised versions of the System Required Documents, including the propagation of the Safety Requirements from the ITER Project Requirements and the implementation of the Defined Requirements as prepared by the IO-CT Safety Team; -Supports the monitoring of the preliminary and final design work carried out by the IM TBM Teams performed in the framework of the six signed TBM Arrangements in preparation for the procurement of the TBSs, in particular on the manufacturing aspects; -Supports the monitoring and the review of the design and manufacturing documentation related to the Test Blanket Systems Connection Pipes procurement; ; -Supports the management of the Quality Assurance (QA) procedures implemented for TBSs in close liaison with the QA & Assessment Division; -Performs other duties in support of the project schedule; -May be requested to be part of any of the project/construction teams and to perform other duties; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	-Reports to Tritium Breeding Blanket Systems Section Leader; -Interacts with all ITER Members involved in the TBM Program on the technical issues relating to TBM Systems / ITER Systems interfaces under the supervision of the

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Internal Components Division;
-Interacts with the PBS Responsible Officers within the ITER Organization dealing with TBM related activities;
-Liaises with technical experts involved in the Members' TBM Programs;
-In response to requests from the Director-General and/or Director of Tokamak Engineering Department, or proactively, informs the DG/ Director of Tokamak Engineering Department 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.

-Successfully produce approved documentation related to the technical management of the activities for the Test Blanket Systems;
-Successfully establishes and maintains the effective co-ordination of TBM-related activities with ITER Organization Departments;
-Successfully establishes appropriate Quality Assurance and Quality Control procedures for TBM-related activities under the responsibility of the ITER Organization;
-Successfully keeps required milestones and schedules concerning the design and procurement activities for which he/she is the Technical Responsible Officer.

Project Construction Phase

Level of study	Master or equivalent degree
Diploma	mechanical or nuclear engineering field
Level of experience	At least 8 years
Technical experience/knowledge	-Knowledge of international standards (ASME, RCC-MR, EN and ISO standards and French regulation for pressure equipment (ESP/ESPN), in particular applied to manufacturing process; -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.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	CATIA ENOVIA MS Office professional (Access, Project, Publisher, Visio) MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	-At least 8 years of experience on nuclear engineering, including at least 3 years of experience related to preparation of technical documentation and technical specifications for Nuclear Components and Equipment; -Experience in nuclear process engineering, including the implementation of the ALARA principle; -Knowledge and experience in Quality Assurance and Quality Control procedures and Inspection; -A demonstrated experience in international collaboration.
Others	-Experience of working in a team involving activities of multidisciplinary and distributed personnel on a complex developmental project; -Good Project Management experience is required. -Good knowledge of MS Office; -Familiarity with the ITER Document Management system (IDM); -Basic Knowledge of CATIA V5 CAD software, ENOVIA, MS Office professional (Access, Project, Publisher, Visio), or equivalent.
Languages	English (Fluent)