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JOB DETAIL

Ref. IO1609 - 12/17/2015

Quality Control Engineer - 4 Openings CIO-PED-TED

Main job	Control system
Department	To be determined
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	01/17/2016
Grade	P2
Direct employment	Required
Purpose	Four openings in Central Integration Office, Plant Engineering Department and Tokamak Engineering Department. To implement quality control program during the procurement, construction, testing and commissioning of the ITER plant and provide expertise and support to the ITER technical staff in all relevant matters; To assure quality control of the components and plant systems including safety related nuclear components and critical components of ITER during the procurement, construction, testing and commissioning phases and activities; Specific duties may include quality control of and support of the activities related to the procurement of the ITER Vacuum Vessel (VV) components and plant systems such as cryogenic systems ensuring compliance with applicable codes and coordination of quality control activities throughout the procurement of those components and systems. • Plans, coordinates and performs inspections of manufacturing activities during the procurement of materials and the fabrication of components and systems ensuring that all components and systems are compliant with applicable regulation (mainly European and Pressure Equipment Directive) and applicable design code (e.g. RCC-MR); • Reviews the existing and newly developed Manufacturing and Inspection Plans (MIPs) for the procurement of the ITER Systems, Structures, or Components (SSCs) and collaborates with the technical staff to define the acceptance requirements and acceptance testing;
Main duties / Responsibilities	• Reviews inspection and test results and records provided by suppliers and writes inspection reports; • Supports the Responsible Officers to monitor and follow up the Procurement Arrangements signed with the Domestic Agencies (DAs) for the fabrication and final delivery of SSCs including nuclear components such as the ITER Vacuum Vessel (VV) and entire subsystems of the cryogenic systems and other critical ITER systems; • Leads transversally activities related to compliance with regulation; • Identifies deviation and non-conformities and participates in the process of Non Conformance Reports (NCR); • Performs routine monitoring activities, such as day-by-day interactions with the DAs and their suppliers, organizes regular progress and dedicated meetings, performs routine and unscheduled inspections at the supplier's premises and witnesses intermediate and final acceptance tests in accordance with MIPs; • Liaises with ITER Quality Assurance & Assessment Division (QAA) for the implementation of QA requirements; • Specific duties may include to: –inspect the VV manufacturing and assembly activities from the procurement of the materials to the final acceptance; –check the implementation of all requirements dictated by the Agreed Notified Body and related to the French Regulations for Pressure Equipment; – support the preparation for the assembly of the VV components and interfaces with the Machine Assembly

	Division; –ensure compliance of the design and construction with relevant codes&standards; – coordinate QC activities in the frame of the procurement of the Cryogenic system through four major Contracts and Procurement Arrangements; • May be requested to be part of any project team dealing with above activities and perform other duties upon management request;
Measures of effectiveness	• Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; • Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. • Reports to the relevant Section/Division Leader/Head; • Acts as an interface between all other Departments within the ITER Organization, as required; • In response to requests from the Director-General (DG) and/or relevant Department Head, or proactively, informs the DG/ Department 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. • Contributes efficiently to procurement activities of the ITER systems and/or components in a timely manner and within defined costs; • Supports the oversight of ITER systems or components fabrication and coordination and communication with the DA; • Ensures effective inspections and issues related reports in a timely manner; • Generates and maintains coherent, comprehensive, and accurate documentation; • Maintains effective communications within the ITER Organization. Project Construction Phase
Level of study	Master or equivalent degree
Diploma	Mechanical or Nuclear engineering
Level of experience	At least 5 years
Technical experience/knowledge	– At least 5 years' experience in manufacturing supervision of components for Nuclear Pressure Equipment and/or Pressure Equipment; – Demonstrated experience in manufacturing processes, testing and inspection and those supervision (including procurement of material, forming, welding, Non Destructive Testing, leak testing and pressure testing, etc.); also including those for stainless steel structures; – Depending on the specific duty, proven experience in applying the RCC-MR/RCC-M or ASME codes to Pressure Equipment; – Experience in implementing all requirements related to the French Regulation for Pressure and Nuclear Pressure Equipment, including Conformity Assessment of Nuclear Pressure Equipment, would be considered advantageous; – General knowledge of nuclear quality assurance program, especially the design control and configuration management processes and implementation; – General knowledge of nuclear safety regulations, codes and standards.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
General skills	– Basic Project Management experience is required.
Others	– Good command of the Microsoft Office package
Languages	English (Fluent)

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