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JOB DETAIL

Ref. IO2034 - 10/31/2018

Piping Validation Coordinator CST-153

Main job	Mechanics
Department	CST / Construction Department
Division	CST / Tokamak Complex Section/Division
Job Family	Engineer - 1
Application Deadline (MM/DD/YYYY)	12/06/2018
Grade	P2
Direct employment	Not required
Purpose	To assure the Operator Surveillance Role during installation in defined Worksites as required by the regulator for the ITER project during installation activities; To supervise and coordinate the flushing and testing activities with relation to piping systems of the Tokamak Complex worksite, and ensure that project and regulatory requirements are correctly implemented, in accordance with Safety requirements and Quality Management rules and in compliance with the time schedule. Coordinates and conducts the entire piping system's flushing and testing process during the installation of Structures, Systems and Components inside the Tokamak Complex Worksite; Works in full harmonization with the Construction Management Agent (CMA), Safety Department, Quality Surveillance and relevant Technical Responsible Officer (TRO); Evaluates and controls essential activities with the CMA such as flushing, blowing, pressure testing, tightness testing, cleaning and pre-commissioning testing of piping systems to meet the technical, health, safety and environmental requirements;
Main duties / Responsibilities	Reviews and develops sub-system hand over break down concepts with the CMA TROs and fully integrates the sub-system turn over sequence with system common assembly sequence, testing and pre-commissioning schedule inside the Tokamak Complex systems such as vacuum fueling, test blanket module and transmission line; Identifies the methods required to ensure the safe, successful and timely installation of the Tokamak Complex systems, in collaboration with the CMA & TROs; Leads the review processes of any Inspection & Test Plans as carried out by the contractor; Participates the "Witness" and "Hold" point activities in conjunction with the CMA and Quality Management Division (QMD) representatives based on approved Inspection & Test Plans and verifies that reports are signed by the qualified persons from the different parties; Issues inspection and observation reports when required; Supports and coordinates the development of technical solutions with the contractor, CMA and QMD during flushing & testing activities and follows any non-conformance and corrective actions/deviation processes; Assists during the final testing and commissioning of components that are installed and alerts line management in the event of non-conformance; May be required to work outside ITER Organization reference working hours, including nights, weekends and public holidays; Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain; May be requested to be part of any of the project/construction teams and to perform other duties in support of the project schedule; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	Reports to the Tokamak Complex Section/Division Head; In response to requests from the Director-General (DG) and/or the Construction Department Head (CST), or proactively, informs the DG/ CST 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. Generates and maintains coherent, comprehensive, and understandable reports & documentation; Maintains effective communications within the IO, CMA and the Domestic Agencies;

	Ensures the ITER Quality Management Program and safety requirements are efficiently implemented for piping tests during installation; Leads and conducts efficiently the entire system's flushing and testing process in a safe and timely manner; Issues accurate reports and documentation within the defined timeline.
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' professional experience in the construction and commissioning of large scale industrial plants in nuclear, scientific or research environments; Experience in testing piping systems during installation; Experience in international projects and writing clear and concise documents is required; Detailed knowledge of piping installation procedures, as well as welding techniques and testing techniques according to International Rules (ASME III / ANSI B31.3, RCC) would be a strong advantage; The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
General skills	Proactive, with drive and initiative; Ability to interface and dialogue at all levels, with a wide variety of contributors and stakeholders; Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment; Ability to persist in the face of challenges to meet deadlines with high standards; Ability to gather multiple and diverse sources of information to understand problems accurately before moving to proposals; Ability to apply high standards of team mindset, trust, excellence, loyalty and integrity.
Others	Proficient command of the Microsoft Office packages; Knowledge of software types usually used within a multidiscipline project environment – computer aided design, scheduling software, estimating software, etc.
Languages	English (Fluent)