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JOB DETAIL

Ref. IO1606 - 12/3/2015

Non-Destructive Testing Specialist - TED-033

Main job	Manufacturing, welding
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section
Job Family	Coordinating Technician
Application Deadline (MM/DD/YYYY)	01/03/2016
Grade	G5
Direct employment	Required
Purpose	To develop Remote Visual Examination (RVE) technique for the Vacuum Vessel (VV) manufacturing, To support the activities related to the procurement of the VV components and supervise the manufacturing of VV Sectors and Ports with an emphasis to the compliance and reporting on design and construction rules for mechanical components of nuclear installations (e.g. RCC-MR and/or RCC-MX). This also includes Non-Destructive Testing (NDT) and implementing other requirements related to the French Regulations for Pressure and Nuclear Pressure Equipment. • 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 the VV Sectors and Ports and other components, as required. • Performs detailed checking of NDT procedures and work instructions submitted by the DAs or contractor; emphasis will be on compliance with RCC-MR code and technical specifications; • Provides technical support for NDT qualifications (Ultrasonic Testing (UT) and Remote Visual Examination (RVE) and others technical justifications requested for the VV Sectors and Ports built according to RCC-MR and review associated documentation;
Main duties / Responsibilities	• Monitors the NDT feasibility prior to start the manufacture of the VV Sectors and Ports in order to insure a full NDT examination; • Monitors the NDT operations done during the fabrication of components for the VV Sectors and Ports built according to RCC-MR and is also responsible for reviewing NDT reports and checking Radiographic Testing (RT) films, • Performs routing 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. • Implements all NDT requirements dictated by the Agreed Notified Body and related to the French Regulations for Pressure and Nuclear Pressure Equipment; • Supports preparation for the assembly of the VV components and interfaces with the Machine Assembly Division; • Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; • May be request to be part of any of the project team dealing with the above activities and perform other duties upon management request; • Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and

	ethics. • Reports to the Vacuum Vessel & Thermal Shield Section Leader; • Interfaces with all other Departments within the ITER Organization, as required; • In response to requests from the Director-General and/or Chief Operating Officer, or proactively, informs the DG/ Chief Operating Officer 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.
Measures of effectiveness	• Completes procurement activities of VV systems and/or components in a timely manner and within defined costs; • Supports the oversight of VV fabrication and coordination and communication with the DA; • Generates and maintains coherent, comprehensive, and accurate documentation; • Understands the design and manufacturing and effective coordination with the IO-CT and DA staff; • Maintains effective communications with the ITER Organization Central Team and Domestic Agencies staff. Project Construction Phase
Level of study	At least Bachelor's degree or equivalent
Diploma	Engineering field or other relevant discipline
Level of experience	At least 7 years
Technical experience / knowledge	– At least 7 years' experience in the design and manufacturing supervision of components for Nuclear Pressure Equipment and/or Pressure Equipment; – Experience applying the RCC-MR/RCC-M and/or ASME codes to Pressure Equipment; – Experience in fabrication or supervision (Ultrasonic Testing and other NDT methods, and welding) of complex stainless steel structures; – At least one NDT qualification level II in RVE, RT or UT; – Experience in UT phased array would be considered advantageous; – Experience 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; – Basic Project Management experience is required.
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Others	– Good command of the Microsoft Office package.
Languages	English (Fluent)

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