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JOB DETAIL

Ref. IO1763 - 9/14/2016

Vacuum Vessel Assembly Technician - TED-090

Main job	Vacuum technologies
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Section/Division
Job Family	Coordinating Technician
Application Deadline (MM/DD/YYYY)	10/30/2016
Grade	G5
Direct employment	Not required
Purpose	-To support documentation and preparation of activities for assembly; -To perform structural and thermal analysis to justify manufacturing design and non-conformity during manufacturing; -To support design finalization activities.
Main duties / Responsibilities	-Supports Vacuum Vessel (VV) assembly activities for preparation of specification and documentation; -Supports document management for the licensing of the VV during manufacturing and assembly phases; -Performs structural and thermal analysis; -Contributes to design activities for auxiliary components of the VV such as pipes, bellows, and In service inspection etc.; -Supports the development of technical specifications for the auxiliary components procurement; -Contributes to the management of the manufacture and installation of the auxiliary components; -Performs reporting on design documents for completion of design and on justification results to submit the Agreed Notified Body; -Manages the documentation in ITER document management system of all the VV documents, in particular for manufacturing, assembly and licensing for the VV torus; -Supports communication between the VV project team, ITER Organization (IO) - Central Team and IO - Domestic Agencies (DAs); -Contributes to the development and implementation of test procedures for Factory Acceptance Test and Site Acceptance Test such as pressure test, baking, leak test, dimensional measurement, etc.; -Performs other duties in support of the project schedule; -May be requested to be part of any of the project team and perform other duties -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. -Reports to Vessel Section/Division Head; -Interfaces with all other sections in the ITER Organization and DAs as required; -In response to requests from the Director-General and/or Tokamak Engineering Department Head, or proactively, informs the DG / Tokamak Engineering 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.
Measures of effectiveness	-Provides effective structural and thermal analysis for manufacturing design and justification of non-conformities within the defined schedule; -Provides effective support for the timely completion of the detailed design and procurement activities; -Obtains good simulation results to validate the detailed design of components and systems; -Establishes a good collaborative relationship with all members of the ITER Project. Project Construction Phase
Level of study	At least Bachelor's degree or equivalent

Diploma	Mechanical Engineering or other relevant disciplin
Level of experience	At least 7 years
Technical experience/knowledge	-Bachelor's degree in the Mechanical Engineering or other relevant discipline; -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. -At least 7 years' experience in a similar position in a large multidisciplinary project; -Good experience in structural and thermal analysis design code (such as ASME or RCC-MR).
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Specific skills	Ansys CATIA Computer Aided Design MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	-Demonstrated ability to produce high quality results; -Excellent organizing skills and coordination skills with the ability to set priorities and meet deadlines; -High level of reliability and dependability.
Others	-Working knowledge of CAD systems (particularly CATIA V5); -Working knowledge of 3-D Model and 2-D CAD; -Knowledge of ANSYS analysis; -Working knowledge of MS office.
Languages	English (Fluent)

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