

# IO1647 Vacuum Vessel Technician - TED-072

## General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Division
Section	TED / VV / VV/Ports & Thermal Shield Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Vacuum Vessel Technician - TED-072
Job family	Coordinating Technician
Grade	G5
Direct employment	Not required
Purpose	<p>To prepare &amp; coordinate factory acceptance tests and site acceptance tests including developing test procedures such as pressure test, baking, leak test, dimensional measurement, etc;</p> <p>To coordinate and contribute to the development of the instrumentation systems for the Vacuum Vessel (VV), and provide support for proper follow-up of the procurement of the instrumentation for thermal shields, cryostat and Vacuum Vessel Pressure Suppression System (VVPSS).</p> <p>Prepares factory acceptance tests (FAT) for all VV components that are sectors, ports, in wall shielding, gravity support, sealing flanges, in service inspections, etc;</p> <p>Prepares site acceptance tests (SAT) for all VV components including free issued items;</p> <p>Develops test procedures for FAT and SAT such as pressure test, baking, leak test, dimensional measurement, etc;</p> <p>Performs FAT and SAT for free issued items and ITER site delivered items;</p> <p>Reports results of FAT and SAT to management and the agreed notified body;</p> <p>Coordinates the development of the final detailed design of the instrumentation systems and related cabling/interfaces to the control systems for the VV;</p> <p>Supports the follow-up the procurement of the VV instrumentation and cables from two Domestic Agencies (DA), with particular attention to schedule and cost;</p> <p>Contributes to the final design procurement of the instrumentation of thermal shields, cryostat and VVPSS;</p>
Main duties / Responsibilities	<p>Assists with the manufacturing design of the VV components and structural analysis;</p> <p>Contributes to R&amp;D tasks for VV and supports preparation for assembly of the components, as required.</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to VV/Ports &amp; Thermal Shield Section Leader;</p> <p>Interfaces with all other sections in the ITER Organization and DAs as required;</p> <p>In response to requests from the Director-General and/or Tokamak Director, or proactively, informs the DG / Tokamak Director 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.</p> <p>Ensures that the detailed design of the VV instrumentation is complete for the sensors and cables is undertaken by the DAs within the defined schedule;</p> <p>Provides effective support for the timely completion of the detailed design and procurement activities;</p>
Measures of effectiveness	<p>Attains good simulation results to validate the detailed design of components and systems;</p> <p>Establishes a good collaborative relationship with all members of the Tokamak Directorate.</p> <p>Project Construction Phase</p>

## Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Mechanical field or other relevant discipline
Level of experience	At least 7 years
Technical experience/knowledge	<p>At least 7 years' experience in a similar position in a large multidisciplinary project;</p> <p>Working knowledge of 3-D Model and 2-D CAD;</p> <p>Knowledge of structural design code (such as ASME or RCC-MR);</p> <p>Basic Project Management experience is required.</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	<p>Demonstrated ability to produce high quality results;</p> <p>Excellent organizing skills and co-ordination skills with the ability to set priorities and meet deadlines;</p> <p>High level of reliability and dependability.</p>
Languages	English (Fluent)
Others	Working knowledge of CAD systems (particularly CATIA V5)