

# IO1550 Vessel Manufacturing Engineer TED-011

## 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	Vessel Manufacturing Engineer TED-011
Job family	Coordinating Technician
Grade	G5
Direct employment	Not required
Purpose	<p>To support the activities related to the procurement of the Vacuum Vessel (VV) components and manufacturing of the VV Sectors and Ports with an emphasis to the RCC-MR (and/or RCC-MX) code compliance and reporting. This also includes implementing requirements related to the French Regulations for Pressure and Nuclear Pressure Equipment.</p> <p>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.</p> <p>Performs detailed checking of drawings and manufacturing documentation, such as material documentation, welding and Non-Destructive Testing (NDT) procedures, forming procedures, testing procedure submitted by the DAs; emphasis will be on compliance with RCC-MR code and technical specifications;</p> <p>Monitors the fabrication of components for the VV Sectors and Ports built according to RCC-MR and also supports the review of reports about materials, welding qualification, welding, NDT, dimensional test, pressure test and leak testing;</p> <p>Performs routing monitoring activities, such as day-by-day interactions with the DAs and their suppliers, attends regular progress and dedicated meetings, participates to routine and unscheduled inspections at the supplier's premises, and witnesses intermediate and final acceptance tests.</p> <p>Implements all requirements dictated by the Agreed Notified Body and related to the French Regulations for Pressure and Nuclear Pressure Equipment;</p> <p>Liaises with ITER Quality Assurance &amp; Assessment Division (QAA) for the implementation of QA requirements on the VV components;</p> <p>Supports preparation for the assembly of the VV components and interfaces with the Machine Assembly Division;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan &amp; upon management request;</p> <p>May be requested to belong to any project team dealing with above activities and perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to the VV/Ports &amp; Thermal Shield Section Leader;</p> <p>Acts as an interface between all other Departments within the ITER Organization, as required;</p> <p>In response to requests from the Director-General and/or Head of Tokamak Engineering Department (TED), or proactively, informs the DG/ Head of TED 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>
Main duties / Responsibilities	
Measures of effectiveness	<p>Contributes efficiently to procurement activities of VV systems and/or components in a timely manner and within defined costs;</p> <p>Supports the oversight of VV fabrication and coordination and communication with the DA;</p> <p>Generates and maintains coherent, comprehensive, and understandable documentation;</p> <p>Takes initiative to understanding the design and manufacturing at the IO and effective</p>

coordination with the IO and DA staff;  
Maintains effective communications within the ITER Organization.

Project Construction Phase

## Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Mechanical engineering or equivalent
Level of experience	At least 7 years
Technical experience/knowledge	At least 7 years' experience in the design, procurement and manufacturing supervision of components for Nuclear Pressure Equipment and/or Pressure Equipment; Experience applying the RCC-MR/RCC-M to Pressure Equipment; Industrial experience in fabrication (procurement of material, forming and welding) of stainless steel structures including tolerance control; 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
General skills	Ability to communicate clearly and write technical reports and specifications in English.
Languages	English (Fluent)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)