

ITER 국제기구 공모 직위 직무기술서 (제205차)

○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	토카막 엔지니어링 (TED)	Tokamak Engineering Department Vessel Section/Division	Welding Engineer	TED-031	P2

IO1856 Welding engineer - TED-031

General information

Job category	Standard
Status	Published
Department	TED / Tokamak Engineering Department
Division	TED / Vessel Section/Division

Job description

Main job	Engineering - Metallurgy
Title of the position	Welding engineer - TED-031
Job family	Engineer - 1
Grade	P2
Direct employment	Required
Purpose	<p>To review welding documents mainly related to stainless steel;</p> <p>To closely follow EB (Electro-Beam) welding of Vacuum Vessel (VV) and ports;</p> <p>To provide justification of non-conformity related to welding;</p> <p>To follow-up manufacture in compliance with Quality Assurance and Quality Control requirements.</p> <p>To provide review on non-destructive tests.</p>
Main duties / Responsibilities	<ul style="list-style-type: none">-Reviews welding documents such as Welding qualification, welder qualification, filler material acceptance, and others from Vacuum Vessel (VV) suppliers;-Closely controls EB welding technique including repair welding;-Manages the supervision of the welding operations during the procurement of VV components with collaboration of technical Responsible Officer (ROs);-Provides guidance on design and construction rules for mechanical components of nuclear installations in the course of RCC MR code interpretation related to welding rules;-Provides expertise and feedback to the feasibility of design and on the execution of critical joining procedures;-Manages the interfaces and is responsible for the proper implementation of Quality Assurance (QA) / Quality Control (QC) requirements and standards for welding procedures of the procured Tokamak components in close relation with the QA Division;-Provides justification for non-conformities related to welding with NCR and Justification ROs;-Reviews on non-destructive tests results with NDE experts;-In close relation with the QA Division interacts with the Agreed Notified Body for ITER construction;-Provides welding guidance for VV assembly and other Project Breakdown Structures;-May be required to work outside normal 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;-Performs other duties in support of the project schedule;-May be requested to be part of any of the project/construction teams and to perform other duties;-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics. <p>-Reports to the Vessel Section/Division Head;</p> <p>-Interacts on a daily basis with members of the Vessel Section/Division as well as external organizations;</p> <p>-In response to requests from the Director-General and/or Tokamak Engineering Department (TED) Head, or proactively, informs the DG/ TED 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.</p> <p>-Completes the design and assessment and release of Hold Points of VV within the prescribed</p>

Measures of effectiveness	<p>specifications;</p> <p>-Provides high level standards expertise and support for decision making regarding design, R&D, procurement and QA;</p> <p>-Generates and maintains a coherent, comprehensive and understandable welding documentation for the tokamak components;</p> <p>-Maintains an effective communication within the ITER Organization as required by this position.</p>
	Project Construction Phase

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Engineering field or other relevant discipline
Level of experience	At least 5 years
Technical experience/knowledge	<p>-At least 5 years' experience in welding technologies, non-destructive inspections and in the practical application of QC procedures;</p> <p>-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.</p> <p>-Qualification as International Welding Engineer is mandatory;</p> <p>-Experience in the fusion technologies and/or Ultra High Vacuum (UHV) applications and/or nuclear devices would be highly advantageous;</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
Languages	English (Fluent)
Specific skills	MS Office professional (Access, Project, Publisher, Visio)