

IO1194 Internal Components Instrumentation Eng. TKM-121

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Internal Components Division
Section	TKM/ INC/ Tungsten Divertor Section

Job description

Main job	Engineering - Mechanics
Title of the position	Internal Components Instrumentation Eng. TKM-121
Job family	Engineer - 1
Grade	G6
Direct employment	Required
Purpose	<p>To monitor the design and procurement of the operational instrumentation of the internal components (Divertor and Blanket);</p> <p>To follow up with the integration of associated systems;</p> <p>To monitor related research and development (R&D) and qualification in the relevant Domestic Agencies.</p>
Main duties / Responsibilities	<p>Supervises the design and integration of the operational instrumentation into the blanket, divertor and divertor ports;</p> <p>Resolves specific engineering issues related to the integration;</p> <p>Ascertains that instrumentation designs are likely to meet the ITER measurement requirements;</p> <p>Monitors the R&D and qualification tests;</p> <p>Follows up the definition of interfaces with other systems, including: CODAC, Cable Tray, Steady State Electrical Power Supply Network, Central Interlock System, Plasma Diagnostics;</p> <p>Monitors the procurement of the instrumentation during the ITER construction in close relation with the TKM Integration Section, Control System Division and the Procurement & Contract Division;</p> <p>Monitors the interfaces and Quality Assurance (QA) procedures of the instrumentation in close relation with the QA Division;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Breakdown Structure Schedule or Strategic Management Plan;</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>
Measures of effectiveness	<p>Reports to the Tungsten Divertor Section Leader;</p> <p>Interfaces with all other Sections in the ITER Organization, 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>Completes the design and procurement of instrumentation for the internal components with the prescribed quality, in a timely manner and within defined costs;</p> <p>Generates and maintains coherent, comprehensive and understandable design documentation;</p> <p>Maintains effective communication within the ITER Organization.</p>
	Project Construction Phase

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Electrical Engineering
Level of experience	At least 5 years

Technical experience	Experience in the design and follow up of procurement of instrumentation. Previous experience in tokamak instrumentation would be an advantage. Experience in Ultra High Vacuum (UHV), and/or nuclear devices would be an asset.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)