

# IO1200 Superconducting Mag. Instrumentation Tech TKM-117

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division
Section	TKM / MAG / Superconductor Systems and Auxiliaries Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Superconducting Mag. Instrumentation Tech TKM-117
Job family	Experienced Technician - 1
Grade	G4
Direct employment	Required
Purpose	<p>To follow-up procurement contracts in the field of superconducting magnets instrumentation and their related control systems.</p> <p>To liaise with the ITER Domestic Agencies (DAs) technical contact persons for deliveries of instrumentation components.</p> <p>To manage deliveries according to the approved DWS (Detailed Work Schedule).</p> <p>Ensures the technical follow up of instrumentation contracts (principally cryogenic and mechanical instrumentation items);</p> <p>Ensures that procedures for quality assurance and control are applied within the different instrumentation contracts;</p> <p>Ensures that deliveries from/to industries and/or DAs are performed according to the defined schedules;</p> <p>Ensures integration of control (electronics) equipment in the Tokamak Complex environment, following up in detail all issues with respect to installation of the corresponding cubicles (space, power, heat dissipation, connection to central systems and networks, etc);</p> <p>Maintains progress data and prepares reports related to quality assurance and controls; makes sure that all reports are available within the ITER Data Management system;</p> <p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the 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> <p>Reports to Superconductor Systems &amp; Auxiliaries Section Leader, under the coordination of the Responsible Officer for the ITER Magnets' instrumentation;</p> <p>Interfaces with the DAs teams which follow the manufacturing contracts for coils, feeders, structures and supports;</p> <p>In response to requests from the Director-General and/or Director of Tokamak (TKM) Directorate, or proactively, informs the DG/ Director of TKM Directorate 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>Conducts and completes the follow-up of contracts in a timely manner, ensuring instrumentation components and control equipment are delivered at the milestones fixed by the project;</p> <p>Communicates immediately critical information to his/her line management in order not to jeopardise the progress of activities;</p> <p>Writes the relevant documentation and makes it available at defined steps of the development/manufacturing/installation process.</p> <p>Project Construction Phase</p>

## Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Engineering (Mechanical, Cryogenics, Instrumentati
Level of experience	At least 5 years
Technical experience	<p>Experience in mechanical instrumentation and/or in cryogenic instrumentation. Experience in the two domains will be an advantage;</p> <p>Familiar with the domain of mechanical and/or thermodynamic measurement techniques applied in superconducting magnets environments;</p> <p>At least 3 years' experience in relevant contract follow-up and related quality assurance aspects (inspection plan, quality assurance programs, factory acceptance tests, etc);</p> <p>Basic knowledge of Electromagnetic Compatibility issues for instrumentation and measurements conducted in harsh environments will be an advantage.</p>
Project experience	<p>Good understanding of CAD models and drawings;</p> <p>Good understanding of an engineering document plan</p>
Social skills	2 to 4 years
Languages	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Specific skills	English (Working)
Free criteria	MS Office standard (Word, Excel, PowerPoint, Outlook)
	Knowledge of engineering databases will be an advantage.