

IO1306 Magnet Engineer TKM-038

General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division
Section	TKM / MAG / CS and Correction Coil Section

Job description

Main job	Engineering - Mechanics
Title of the position	Magnet Engineer TKM-038
Job family	Engineer - 2
Grade	P3
Direct employment	Not required
Purpose	<p>To ensure the follow-up of the procurement and manufacturing of the ITER Central Solenoid (CS) and Correction Coils (CC) in close cooperation with the Domestic Agencies (DAs).</p> <p>To carefully check the achievement of quality controls, the timely processing of the control points and the proper updating of the CS and CC manufacturing databases.</p>
Main duties / Responsibilities	<p>Perform regular assessment of the manufacturing drawings of the CC and the CS;</p> <p>Reviews and updates regularly the documentation supporting the CC design;</p> <p>Reviews and assesses the qualification and quality control tests for the CS and CC;</p> <p>Follows-up the fabrication of the CS and the CC at the manufacturer's sites with the DAs;</p> <p>Is responsible for monitoring the documentation related to the execution of the CS and CC procurement arrangement (PA);</p> <p>Is responsible for monitoring the schedule of the CS and CC PAs;</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>Note: position that requires frequent travels/missions</p>
Measures of effectiveness	<p>Reports to CS & Correction Coil Section Leader;</p> <p>Interfaces with other Sections in the Magnet Division, with other ITER Departments as required for the magnet design, and with the Field Teams and their industries regarding magnet fabrication;</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> <p>Effective procurement follow-up;</p> <p>Qualification of CS modules manufacturing procedures;</p> <p>Qualification of CC manufacturing procedures;</p> <p>Qualification and quality control testing of CS structures during fabrication.</p> <p>ID SAP : 50000151 Project Construction Phase</p>

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Mechanical or Electrical Engineering field
Level of experience	At least 8 years
	Experience in magnet design and manufacture;

Technical experience	Familiarity with structural analysis and mechanical assessment; Familiarity with electrical insulation design, manufacture and tests Good knowledge of electromagnetic effects on structural design; Familiarity with basic metallic joining techniques such as welding, brazing; Familiarity with mechanical design codes and standards such as ASME.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	2 to 4 years' in project management experience in the follow-up of coil manufacturing.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)