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JOB DETAIL

Ref. IO1152 - 10/27/2011

Magnet Responsible Officer TKM-038

Main job	Mechanics
Department	DIP/Directorate for Tokamak
Division	TKM / Magnet Division
Section	TKM / MAG / CS and Correction Coil Section
Job Family	Project engineering
Application Deadline	30/Nov/2011
Grade	P4
Direct employment	Not required
Purpose	To ensure the follow-up of the manufacturing of the ITER central solenoid (CS) and correction coils (CC) in close cooperation with the Domestic Agencies.
Main duties / Responsibilities	<ul style="list-style-type: none"> • Coordinates the review and assessment of the manufacturing drawings of the CC and the CS; • Reviews the documentation supporting the CC design, concentrating on mechanical assessments; • Reviews and assesses the qualification and quality control tests for the CS and CC; • Coordinates the monitoring of the fabrication of the CS and the CC at the manufacturer's sites; • Is responsible for monitoring the documentation related to the execution of the CS and CC procurement agreements (PA); • Is responsible for monitoring the schedule of the CS and CC PAs; • Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
Measures of effectiveness	<ul style="list-style-type: none"> • Completes the design of CS structures and CC cases; • Acceptance of the coil design by industries; • Successful qualification and quality control testing of CS structures during fabrication; • Successful assembly and commissioning of CS assembly.
Level of study	Master or higher degree
Diploma	Mechanical or Electrical Engineering
Level of experience	At least 10 years
Technical experience	<ul style="list-style-type: none"> - At least 10 years' experience in magnet design and manufacture; - Familiarity with structural analysis and mechanical assessment; - Good knowledge of electromagnetic effects on structural design; - Project experience in the follow-up of coil manufacturing; - Familiarity with basic metallic joining techniques such as welding, brazing; - Familiarity with mechanical design codes and standards such as ASME; - Ability to write technical reports and specifications in English.
Project experience	2 to 4 years
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit Ability to communicate effectively
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
General skills	<ul style="list-style-type: none"> - Ability to travel frequently to China and USA; - Ability to interact with industry.
Free criteria	<ul style="list-style-type: none"> • Reports to the Magnet Division Head, under the coordination of the Central Solenoid and Correction Coil Section Leader; • 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

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regarding magnet fabrication.

Languages English (Working)

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