

## Magnet Responsible Officer TKM-038

<b>Main job</b>	Mechanics
<b>Department</b>	DIP/Directorate for Tokamak
<b>Division</b>	TKM / Magnet Division
<b>Section</b>	TKM / MAG / CS and Correction Coil Section
<b>Job Family</b>	Project engineering
<b>Application Deadline</b>	30/Nov/2011
<b>Grade</b>	P4
<b>Direct employment</b>	Not required
<b>Purpose</b>	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.
<b>Main duties / Responsibilities</b>	<ul style="list-style-type: none"><li>• Coordinates the review and assessment of the manufacturing drawings of the CC and the CS;</li><li>• Reviews the documentation supporting the CC design, concentrating on mechanical assessments;</li><li>• Reviews and assesses the qualification and quality control tests for the CS and CC;</li><li>• Coordinates the monitoring of the fabrication of the CS and the CC at the manufacturer's sites;</li><li>• Is responsible for monitoring the documentation related to the execution of the CS and CC procurement agreements (PA);</li><li>• Is responsible for monitoring the schedule of the CS and CC PAs;</li><li>• Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul>
<b>Measures of effectiveness</b>	<ul style="list-style-type: none"><li>• Completes the design of CS structures and CC cases;</li><li>• Acceptance of the coil design by industries;</li><li>• Successful qualification and quality control testing of CS structures during fabrication;</li><li>• Successful assembly and commissioning of CS assembly.</li></ul>
<b>Level of study</b>	Master or higher degree
<b>Diploma</b>	Mechanical or Electrical Engineering
<b>Level of experience</b>	At least 10 years

**Technical experience**

- 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**

- Ability to travel frequently to China and USA;
- Ability to interact with industry.

**Free criteria**

- 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 regarding magnet fabrication.

**Languages** English (Working)