

Magnet Technical Engineer

TKM-099

Reports to Line Manager:	CS and CC Coil Section Leader, Tokamak Department	Job Code:	TKM-099
Direct Employment:	Required	Grade:	G4

Purpose

Working under the supervision of a professional engineer, to assist in monitoring magnet procurement within the Domestic Agencies;

To assist in assessing quality control documents, change and non-conformity requests;

To prepare technical documentation to support the procurement activities

Major Duties/Responsibilities

- Assists in monitoring the magnet procurement activities carried out by the Domestic Agencies;
- Ensures quality controls are properly implemented and documented;
- Prepares technical reports relating to the procurement activities;
- Assists in checking and filing magnet drawings;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.
- Ensures the proper recommendation and approval procedures are implemented as part of the assessment process for all documents and drawings.

Qualifications and Experience

- Education:**
 - Degree at least equivalent to 2-4 years of study after the High School Diploma, in Mechanical Engineering or other related discipline.
- Technical experience:**
 - Familiarity with superconducting coil design and manufacture;
 - Experience with cryogenic engineering;
 - Experience with high voltage systems;
 - Experience with welding and Non Destructive Testing procedures;
 - Experience with mechanical design and preparation of engineering drawings;
 - Demonstrated ability to write good quality technical reports.
- Project experience:**
 - At least 8 years' experience as a technical designer or project engineer in a large multidisciplinary project or institute.

- ***Social Skills:***
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.
- ***Language requirements:***
 - Fluent in English (written and spoken).
- ***Computer and IT skills:***
 - Familiarity with Windows based office programs;
 - Familiar with CAD systems.

Direct Supervisor and Interfaces

- Reports to CS and Correction coil Section Leader;
- Contributes to work in other magnet sections as required.

Authority / Approval Levels

This position has authority and approval levels generally defined by the DDG for the Tokamak Department for his/her scope of work.

Measures of Effectiveness

- Provides efficient and high quality service to the Magnet Division members;
- Establishes a good collaborative attitude with all members of the Division and with other Divisions and Departments.