

Magnet Technical Designer

TKM-098

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| Reports to Line Manager: | Toroidal Field Coil Section Leader, Tokamak Department | Job Code: | TKM-098 |
| Direct Employment: | Required | Grade: | G4 |

Purpose

Working under the supervision of a professional engineer, to assist in maintaining magnet technical documentation, including design descriptions, drawings and test data.

Major Duties/Responsibilities

china

eu

india

japan

korea

russia

usa

- Assists in the preparation and updating of magnet design documentation (design descriptions, interface control documents, etc.);
- Assists in assessing and filing incoming procurement and quality control documents relating to ITER coil manufacture;
- Assists in checking and filing magnet drawings;
- Assists in monitoring magnet procurement activities;
- Ensures the proper recommendation and approval procedures are implemented as part of the filing process for all documents and drawings.
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics;

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 the 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 the Section Leader of the Toroidal Field Coil Section;
- 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 Tokamak 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.