

CAD Coordinating Engineer for Electrical Power Distribution

CEP-099

Reports to Line Manager:	Plant Design Section Leader, Design Office Division, Central Engineering and Plant Support Department	Job Code:	CEP-099
Direct Employment:	Required	Grade:	G5

Purpose

To be responsible for the CAD plant & process design and associated ITER Electrical Power Distribution CAD data over the entire life-cycle (from design to machine operation) under the instruction of the relevant Responsible Officer (RO);

To supervise the CAD design activities performed by designers within the ITER Organization (IO) and outside the IO (Contributors).

china

eu

india

japan

korea

russia

usa

Major Duties/Responsibilities

- Is responsible for the quality of the ITER Electrical Power Distribution CAD data;
- Supervises and coordinates the design tasks under the guidance of the relevant Responsible Officer;
- Performs coordination & development tasks as CAD Coordinating Engineer under the guidance of the relevant RO(s):
 - Follows-up with the process & layout design (coordination of several CAD designers, interface analysis & management; data structure & meta-data checking into the database, CAD data change management & tracking; 2D-3D coherence; Product-Break-Down-Structure implementation...);
 - Supports the RO in interactions with and External Contributors regarding CAD activities;
- Performs coordination, development, Quality Assurance-Quality Control and time schedule monitoring tasks as Design Coordination Engineer following the instructions of the Plant Design Section Leader;
- 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 3-5 years of study after the High School Diploma, in a Technical engineering field, Electrical Engineering, Computer Aided Design, or other related discipline.

- **Technical experience:**
 - At least 10 years' experience working in an Electrical Engineering Design Office on a multi-disciplinary project and preferably performed in a remote design collaborative manner;
 - At least 5 years' experience in design work involving an advanced CAD system for 3D & circuit diagrams and for multi-discipline process description;
 - At least 5 years' experience in the design and layout of AC power distribution equipment would be an advantage.
- **Social Skills:**
 - Demonstrated ability to produce high quality results which have stood the test of being manufactured, tested, installed and commissioned successfully is required;
 - Excellent ability to organize and monitor design activities, good communication skills and ability to work towards predefined goals with a high level of autonomy while sustaining a high level of pressure to work under;
 - 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:**
 - At least 5 years' experience of design work involving an advanced CAD system for 3D & circuit diagrams and enabling multi-discipline process description.

Direct Supervisor and Interfaces

- Reports to the Plant Design Section Leader within the ITER Design Office;
- Interacts on a daily basis with the relevant ITER Component Responsible Officers (in charge of the technical solutions), the Integration Responsible Officers (in charge of the configuration control), Design Office Management & Support Team and Design Coordinators & Designers aiming at the required level of quality and efficient design development.

Authority / Approval Levels

This position has authority and approval levels generally defined by the Design Office Director for his/her scope of work.

Measures of Effectiveness

- Provides efficient and high quality service to the ITER Design Office;
- Contributes to the effective development of the plant & process design;
- Develops further technical capabilities, flexibility, CAD tool control and team spirit;
- Supports the objectives & interests of the ITER Project;
- Establish a collaborative attitude with all involved internal & external organizations.