

**CEP-096** 

# CAD Coordinating Engineer for the Coil Power Supply

Reports to Line Manager:	Plant Design Section Leader, Design Office, Central Engineering and Plant Support Department	Job Code:	CEP-096
Direct Employment:	Required	Grade:	G5

#### Purpose

To manage the Computer Aided Design (CAD) plant & process designs, in addition to the associated ITER Coil Power Supply System CAD data over the entire life-cycle (from design to machine operation) under the instruction of the relevant Responsible Officer;

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

1	Major Duties/Responsibilities		
•	Ensures the quality of the CAD data for the ITER Coil Power Supply System;		
•	Supervises and coordinates design tasks under the guidance of the relevant Responsible Officer;		
•	Performs coordination & development tasks as CAD Coordination Engineer under the guidance of the relevant Responsible Officer(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)		
	<ul> <li>Supports the Responsible Officer in the interactions with External Contributors regarding CAD activities</li> </ul>		
•	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		

### **Qualifications and Experience**

Program, values and ethics.

- Education:
  - Degree at least equivalent to 3-5 years of study after the High School Diploma, in a Technical engineering field, Electro-Mechanical 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 the design and layout of large Power Supply System 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;
  - 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 in design work involving an advanced CAD system for 3D & drawing design, so as to create a 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 for 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 Division Leader 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;
- Establishes a collaborative attitude with all involved internal & external organizations.