

Design Configuration Control Coordination Engineer

CEP-106

Reports to Line Manager:	Design Configuration Control Section Leader , Design Office, Department for Central Engineering and Plant Support	Job Code:	CEP-106
Direct Employment:	Required	Grade:	G5

Purpose

To carry out the Computer-Aided Design (CAD) and maintain associated CAD data and CAD data base structures related to the Design Configuration Control Section over the entire lifecycle (from design to machine operation) under the instruction of the relevant Responsible Officer(s).

To supervise the CAD design activities performed by designers at the ITER Organization and by outside Contributors.

china

eu

india

japan

korea

russia

usa

Major Duties/Responsibilities

- Ensures the quality of the CAD data and CAD data base structures related to the Design Configuration Control Section;
- Contributes to the resource distribution of the design team and coordinates design activities performed by the designers;
- Performs design tasks under the guidance of the relevant Responsible Officer;
- Performs coordination and development tasks as Design Coordinator under the guidance of the relevant Responsible Officer(s);
- Performs coordination and development tasks as Design Coordinator under the instructions of the Design Configuration Control Section Leader;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics; supports the objectives and interests of the ITER project.

Qualifications and Experience

- **Education:**
 - Degree at least equivalent to 4-5 years of study after the High School Diploma in Mechanical / Process / Generalist Engineering.
- **Technical experience:**
 - At least 10 years' experience (including experience as Leading Designer) in a Mechanical and/or Process Design Office in a multi-disciplinary project and preferably performed in a remote design collaboration manner;
 - At least 3 years' in the implementation of engineering activities: requirement definition; conceptual, pre-detailed and detailed studies; definition of complex interface systems; preliminary sizing; contribution to the development of manufacturing specifications; contract monitoring, etc.

- Knowledge of mechanical calculations;
 - Demonstrated ability to produce high quality results which have stood the test of being manufactured, tested, installed and commissioned successfully.
- **Project experience:**
 - Previous experience in the design of complex structures, preferably in fusion and/or nuclear field and involving large welded and bolted components and structures, support systems, complex interfaces with cooling systems, diagnostics, assembly and remote handling tools would be advantageous.
- **Social Skills:**
 - 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 working pressure;
 - 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:**
 - A minimum of 5 years' experience in design work involving an advanced CAD system, including 3 years with Computer Aided Three dimensional Interactive Application (CATIA) V5. The experience with ENOVIA LCA - VPM5 is not essential, though experience with previous versions of VPM or with other integrated database systems would be advantageous.

Direct Supervisor and Interfaces

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

Authority / Approval Levels

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

Measures of Effectiveness

- Successfully provides an efficient and high quality service to the ITER Design Office;
- Successfully contributes to an effective development of the mechanical design;
- Successfully develops further technical capabilities, flexibility, CAD tool control and team spirit;
- Successfully establishes a good collaborative relationship with all involved internal and external organizations.