

Design Standard Coordination Engineer

CEP-110

| Reports to Line Manager: | Plant Design Section Leader, Design Office Division, Central Engineering Department | Job Code: | CEP-110 |
|--------------------------|--|-----------|---------|
| Direct Employment: | Required | Grade: | G5 |

Purpose

To implement the ITER Mechanical & Plant Design Standards; To supervise and support the catalogue builders to implement / to design specifications.

Major Duties/Responsibilities

| Coordinates the implementation of the ITER Computer Aided Design (CAD) Standards: |
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| - Manages the Design Office (DO) interfaces with the ITER standardization group and the |
| different ITER system Responsible Officers, including the ITER CAD data standard requirements; |
| - Prevents, detects and identifies conflict and also specifications or standards that are lacking, and reports them to the ITER standardization group and Responsible Officer for corrective |
| action; |
| Manages and reviews the gathering of technical engineering data required to move from a standard definition to a catalogue specification; |
| - Manages and reviews the catalogue production in the CATIA design program, so as to ensure that the standardization of mechanical & plant equipment and all associated systems is |
| implemented; |
| • Proposes, specifies and leads the improvements to be made to the standards implementation within |
| the ITER CAD environment; |
| Provides the required support assistance to the catalogue builders; |
| Follows the progress of the different activities; |
| • Deals with a range of CAD and engineering practices to define design specifications and to then |
| integrate this specification into CATIA V5 and the CAD database; |
| • Supervises Assistants, if there are any; |
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- Contributes to the auxiliary Design Office (DO) related activities;
- 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 Engineering, Computer Sciences or other related discipline.



• Technical experience:

- At least 10 years' experience working in an Engineering position;
- At least 3 years' experience working on Product Lifecycle Management and CAD activities;
- Experience managing and implementing standards and/or catalogues in an international project is required;
- Experience in the design/analysis of nuclear components, complex mechanical systems and/or process engineering projects would be an advantage.

• Project experience:

- Experience working on a large multi-disciplinary project performed in an international environment with the problem of having people based on sites all around the world, with several types of collaboration, etc. is mandatory.

• Social Skills:

- Good communication skills and an excellent ability to organize and monitor activities;
- Capability to work towards predefined goals with a high level of autonomy;
- Ability to work effectively in a multi-cultural environment, within a team and to promote team work.

• Language requirements:

- Fluent in English (written and spoken).

• Computer and IT skills:

- Good knowledge of Product Lifecycle Management Environment is expected;
- Experience using CATIA V5 "Equipments & Systems" administration, ENOVIA V5 and Advanced Plant Engineering Database would be an advantage;
- Expert Knowledge of CATIA V5 catalogue production and management would be an advantage.

Direct Supervisor and Interfaces

- Reports to the Plant Design Section Leader;
- Works in close collaboration with the Catalogue Coordinator for regular task implementation;
- Acts as an interface between all involved departments, divisions, systems, and in particular with: the relevant ITER components Responsible Officers, Design Integration, the Standardization Working Group, the Mechanical Design Section Leader, the Design Office Collaboration Coordinator, and the Domestic Agencies (DA).

Authority / Approval Levels

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

Measures of Effectiveness

- Provides a high quality of service to the ITER DO & Domestic Agencies;
- Contributes to standardize and to therefore optimize the design, the assembly & installation and the maintenance of the ITER machine;
- Establishes a good collaboration relationship and develops team spirit within all involved organizations.