

## Cable Database Technical Engineer

CEP-105

<b>Reports to Line Manager:</b>	Steady State Electrical Power Network Section Leader, Electrical Engineering Division, CEP Support Department	<b>Job Code:</b>	CEP-105
<b>Direct Employment:</b>	Required	<b>Grade:</b>	G4

### Purpose

To support the Electrical Engineering Division in all matters related to the development, compilation and updating of the database system used to manage the space allocation, routing, procurement, installation and maintenance of all power and control cables of the ITER plant systems.

### Major Duties/Responsibilities

china

eu

india

japan

korea

ru<sup>s</sup>sia

usa

- Follows-up on the design and developments of the database required to manage the space allocation, routing, procurement, installation and maintenance of all power and control cables of the ITER plant systems;
- Implements the guidelines and rules established by the Electrical Engineering Division, Project Control Office and Control, Data Access and Communication (CODAC) Section for routing and installation of power and control cables;
- Supervises the work performed by Engineering Support Companies contracted by the ITER Organization to develop, compile and update the cable database;
- Supervises the activities for the development of the Computer Aided Design (CAD) drawings and circuit diagrams for the space reservation and routing of power and control cables. (These activities will be carried out by the ITER Design Office, Engineering Support Companies contracted by the ITER Organization and the ITER domestic Agencies.);
- Maintains a strong commitment to the implementation and perpetuation of ITER safety program, values and ethics.

### Qualifications and Experience

- Education:**
  - Degree equivalent 2-4 years of study after the High School Diploma in Electrical or Electro-mechanical engineering.
- Technical experience:**
  - At least 8 years' experience in design and installation of power and control cables in large plant systems;
  - Candidates with engineering apprenticeship, or technical diploma in electrical installations, or equivalent, may also apply. However, in this case the candidate should have at least 5 years' experience in design and installation of power and control cables in large plants systems;
  - Experience in using cable diagrams/scheduling tools would be an advantage.

- ***Social Skills:***
  - Collaborative and positive personality;
  - 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:***
  - Significant experience in the use of database tools;
  - Experience in using 2D and 3D CAD tools would be an advantage.

### **Direct Supervisor and Interfaces**

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- Report to the Steady State Electrical Power Network Section Leader;
- Interfaces with all members of the Electrical Engineering Division to support excellent integration of the electrical installations.

### **Authority / Approval Levels**

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This position has authority and approval levels generally defined by the Steady State Electrical Power Network Section Leader for his/her scope of work.

### **Measures of Effectiveness**

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- Successfully supports the design and construction activities of the Electrical Engineering Division;
- Successfully supports the activities related to management, routing and installation of power and control cables;
- Successfully support the efforts of the ITER Organization and the Domestic Agencies.