

IO1527 Cable Database Technician PSE-105

General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Plant System Engineering
Division	PSE / Electrical Engineering Division
Section	PSE/ EED/ Electrical Power Distribution Section

Job description

Main job	Engineering - Electricity
Title of the position	Cable Database Technician PSE-105
Job family	Technician - 3
Grade	G4
Direct employment	Required
	To support the Electrical Engineering Division in all matters related to the development, compilation and updating of the cable database system used to manage the space allocation, routing, procurement, installation and maintenance of all cables, cable terminations and cable trays of the ITER facilities.
Purpose	<p>Supports the maintenance, quality assurance and consistency of the central cabling database for all cables (power, instrumentation and control, fiber optics, pneumatic tubing for Instrumentation & Control, etc.) in the ITER facility for all systems;</p> <p>Creates, maintains and updates of the Interface Control Documents (ICDs), Interface Sheets (IS) and associated explanatory diagrams and drawings, between PBS-44 (cable trays) and all systems;</p> <p>Ensures proper cable data collection from the systems Technical Responsible Officers, for the production of electrical diagrams;</p> <p>Follows-up on the design & production of the Electrical Diagrams, Process Flow Diagrams (PFD), Piping & Instrumentation Diagram (P&ID), Loop Diagrams, Wiring Diagrams and Pneumatic Diagrams;</p> <p>Integrates, maintains and publishes all diagrams in the ITER central database;</p> <p>Monitors and controls the work performed by Engineering Support Companies contracted by the ITER Organization to develop, compile and update Electrical Diagrams;</p> <p>Witnesses qualification tests and factory acceptance tests related to the components that are under her/his responsibility and alerts line management when necessary;</p> <p>Checks the on-site contractor for installation, testing and commissioning of components that are under her/his responsibility and alerts line management when necessary;</p> <p>Implements the guidelines and rules established by the Electrical Engineering Division for routing and installation of power, instrumentation and control cables;</p>
Main duties / Responsibilities	<p>Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;</p> <p>Performs other duties linked to the above purpose upon management request, as necessary;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Reports to the Electrical Power Distribution Section Leader;</p> <p>Acts as an interface between all members of the Electrical Engineering Division, ITER Design Office, Engineering Support Companies contracted by the ITER Organization and the ITER Domestic Agencies;</p> <p>In response to requests from the Director-General and/or Director of Plant System Engineering (PSE) Directorate, or proactively, informs the DG/Director of PSE Directorate of any important and urgent issues that cannot be handled by the concerned line management and may jeopardize the achievement of the Project's objectives</p> <p>Performs effectively the design and construction activities of the Electrical Engineering Division for the scope of activities;</p> <p>Ensures proper development and follow-up of databases for the scope of activities;</p>

Measures of effectiveness	<p>Contributes effectively to the activities related to management, routing and installation of power and control cables;</p> <p>Manages interfaces between ITER Divisions and Domestic Agencies and maintains effective communication with all parties delivering subsystems.</p> <p>Project Construction Phase</p> <p>ID SAP : 50000227</p>
---------------------------	---

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Electrical or Electro-mechanical engineering
Level of experience	At least 5 years
Technical experience	<p>At least 5 years' experience in design and/or installation of power and control cables in plant systems;</p> <p>Experience in using cable diagrams tools;</p> <p>Experience in managing system interfaces is recommended;</p> <p>Experience in database management (querying, reporting, quality checks, etc.).</p>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Collaborative, Positive outlook
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	<p>Computer and IT skills:</p> <p>Proven experience in the use of database tools;</p> <p>Experience with 2D-3D CAD software is considered as an advantage.</p>