

# IO1370 Testing and Commissioning Engineer CIE-257

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Project Control & Assembly
Division	PCA / Assembly & Operations Division
Section	PCA / AOP /Commissioning & Operations Section

## Job description

Main job	Engineering - Mechanics
Title of the position	Testing and Commissioning Engineer CIE-257
Job family	Coordinating Engineer
Grade	P4
Direct employment	Not required
Purpose	To support the Commissioning & Operations Section Leader in all activities for the testing and commissioning of the ITER machine and plant systems.
Main duties / Responsibilities	<p>Develops policy, strategy and general procedures for ITER on-site testing and commissioning; Defines overall plan for system acceptance testing and integrated commissioning, in collaboration with responsible officers for each system; Prepares detailed working plans (test procedures, schedule, on-site test facilities availability) for testing and commissioning activities for all ITER systems; Develops and reviews test procedures, test reports, handover documents; Coordinates the execution of testing and commissioning activities during construction, assembly; Inspects and witnesses tests and participates in acceptance and handover of ITER systems; Contributes to the ITER safety program and technical risk control and enforces them through individual behavior and through his/her organization; Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan; Performs other duties linked to the above purpose upon management request, as necessary; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to the Commissioning and Operations Section Leader. Acts as an interface between the Assembly and Operations Division and all other directorates and technical teams, as well as the Domestic Agency staff on testing and commissioning related matters. In response to requests from the Director-General and/or the Director for Project Control and Assembly, or proactively, informs the DG/Director for Project Control and Assembly 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>Develops the ITER Testing and Commissioning Strategy; Ensures detailed planning of the above strategy for all ITER systems; Supports the Section Leader in managing the testing and commissioning of ITER systems and in ensuring the ITER machine enters into Operation successfully.</p> <p>ID SAP 50001009 Project Construction Phase</p>

## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering or technical domain
Level of experience	At least 10 years

Technical experience	At least 10 years' professional experience, having reached a high level of expertise in defining and coordinating the testing and commissioning of a large experimental or nuclear facility; Experience of testing, handover and commissioning of large scale plant and mechanical systems, such as cryogenics, cooling water, high voltage electrical, vacuum and control systems; Experience in defining and coordinating the testing, commissioning of a nuclear facility would be an advantage; Knowledge of magnetic fusion, superconducting magnets, Tokamaks and ITER would be an advantage.
Project experience	At least 5 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
General skills	Ability to organize and supervise technical shift teams and manage support contractors.
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook), Primavera
Others	Willingness to learn French would be an advantage when dealing with technical contractors; Experience in planning systems such as Primavera or Microsoft Project would be an advantage.