

# IO1271 Commissioning and Operations Engineer CIE-257

## General information

Job category	Standard
Status	Confirmed
Department	DIP/Directorate for Central Integration & Engineering
Division	CIE / Assembly & Operations Division
Section	CIE / AOP /Commissioning & Operations Section

## Job description

Main job	Engineering - Generalist
Title of the position	Commissioning and Operations Engineer CIE-257
Job family	System Engineer - 2
Grade	P4
Direct employment	Not required
Purpose	<p>To support the Commissioning &amp; Operations Section Leader in all activities for operation of the ITER machine and to be responsible for the following areas:</p> <p>ITER on-site testing strategy and procedures;</p> <p>Coordination and planning of ITER on-site testing activities during assembly and installation, including logistics, utilities, resources, interlock and safety;</p> <p>Technical risk analysis and control in terms of Reliability, Availability, Maintainability and Inspectability (RAMI), and Investment Protection (IP).</p>
Main duties / Responsibilities	<p>Defines the policy, strategy and overall plan for system acceptance testing and integrated commissioning, in collaboration with responsible officers for each system;</p> <p>Prepares detailed working plans (test procedures, schedule, on-site test facilities availability) for testing and commissioning activities for all ITER systems;</p> <p>During construction, assembly and operations participates in the coordination and execution of testing, commissioning and operation activities;</p> <p>Manages the ITER RAMI strategy, and supports system designers in executing RAMI analysis and reviews system design development regarding availability;</p> <p>Contributes to the implementation of the ITER Investment Protection Policy;</p> <p>Contributes to the ITER safety program and technical risk control and enforces them through individual behavior and through his/her organization;</p> <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>
Measures of effectiveness	<p>Reports to the Commissioning and Operations Section Leader;</p> <p>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 RAMI, testing, commissioning and operations related matters...</p> <p>In response to requests from the Director-General and/or the Director for Central Integration and Engineering, or proactively, informs the DG/Director for Central Integration and Engineering 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;</p> <p>Ensures detailed planning of the above strategy for all ITER systems;</p> <p>Supports the Head of Section in managing the testing and commissioning of ITER systems and in ensuring the ITER machine enters into Operation successfully.</p>
	<p>Id SAP : S 50001009</p> <p>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
	Professional experience, having reached a high level of expertise in defining and coordinating the testing, commissioning and operation of a large experimental or nuclear facility; Successful and proven performance in managing system availability through a RAMI approach;
Technical experience	Experience of working on large scale construction projects during hand-over and commissioning phases; Experience of commissioning large scale plant and mechanical systems, such as cryogenics, cooling water, high voltage electrical, vacuum and control systems would be an advantage. Knowledge of magnetic fusion, 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) Chinese (Working)
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.