

IO1534 Central Integration Office Head CIO-001

General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office

Job description

Main job	Executive Management - Executive Management
Title of the position	Central Integration Office Head CIO-001
Job family	Director of Department
Grade	D1/D2
Direct employment	Required
Purpose	<p>The Central Integration Office supports the ITER Organization (IO) Director-General (DG) in his responsibility of integrator of the whole project and of nuclear operator. The CIO has the mission to assure design control, configuration management, computer code and model development, and documents and records, as well as IT, which are delegated by the DG and the Deputy Director General / Chief Operating Officer (DDG/COO). The Head of CIO is responsible for the ITER plant design and for the implementation of those delegated authorities throughout the project.</p> <p>Is responsible for the ITER tokamak and plant design integration; Performs and surveys Functional Analysis to assure functional integration among Clients and Systems and Supplier in the time domain; Through the Functional Analysis checks and develops the commissioning specification and procedures, validating reference target data (set point , opening time, flow rate); Is responsible for the development and implementation of processes and procedures required for configuration management, computer code and model development, and documents and records where required; Is responsible for coordinating with Quality Assurance the implementation of design control, which includes design plan preparation, design input control, design verification, design change control, design interface control, and design control for transversal functions such as requirements flow-down, safety analysis and assessment and load specifications;</p> <p>Is responsible for providing proper staff training ensuring that the required processes can be used by them; Is responsible for monitoring design progress (i.e. the implementation of design plans) and assessing system integration based on design maturity and functional integration; Is responsible for providing configuration management and for tools implementation specifically for the engineering models and documents during the engineering phase and also for a Project Lifecycle Management tool for the construction, commissioning and operation phases; Is responsible for coordinating the implementation of the engineering model configuration management, which includes baseline model control; Is responsible for the design integration, including system integration, physical interface control and layout integration; Is responsible for coordinating the implementation of technical issues including oversights of the issue mitigations; Is responsible for implementing design analysis including structural and nuclear analyses and defining load specifications and identifying applicable codes & standards; Is responsible for implementing safety analyses and assessments required for the licensing application; Is responsible for the implementation of computer codes and model development, for coordinating and prioritizing the Computer Aided Design resources, the document control and for the required software and IT control; Supports PCO in ensuring work delivery consistent with the budget of the Office and manages the staffing of the Department; Supports PCO in ensuring that IO's goals are achieved in a timely and effective manner, which meets safety, quality, cost and schedule targets;</p> <p>Maximizes human capital and people's commitment to achieving the IO goals; Builds and maintains relationship with CT, Domestic Agencies and major external stakeholders;</p>
Main duties / Responsibilities	

Measures of effectiveness	<p>Performs other duties upon management request, as necessary; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> <p>Under the supervision of the DDG/CCO, reports to the DG; Interacts with core staff made of personnel from both the IO-Central Team and the IO-Domestic Agencies.</p> <p>Establishes efficient processes and procedures required for above described duties; Provides proper training to the CIO staff; Coordinates efficiently, the control of the design integration and configuration management, the systems engineering, computer code, engineering models and the technical documentation of the project which should ultimately include up-to-date as-built drawings of the entire machine; Manages effectively the Office members and the achievement of their performance targets; Maintains effective communication with all stakeholders; Ensures deliverables meet safety standards, quality schedule and cost requirements; Responsible for implementation of nuclear safety regulations and other standards of the IO's work; Manages effectively Integrated Functional Analysis correlating systems/clients and suppliers & commissioning procedures and Implementation; Responsible for adherence to technical standards.</p>

Applicant criteria

Level of study	Master or equivalent degree
Diploma	Nuclear engineering, engineering or other relevant
Level of experience	At least 20 years
Technical experience	Excellent knowledge of nuclear codes and standards & QA
	At least 20 years' experience in an engineering / construction projects environment; Strong experience in Functional Analysis (top/bottom up approach) in the time domain for Mechanical/Electrical/HVAC and Instrumentation & Control (I&C) systems; Demonstrated experience in systems turn over and commissioning according to the Functional Analysis Procedures
	Demonstrated experience in the successful implementation of integration programs in a large construction project related to nuclear/fusion or excellent familiarity with complex construction programs is required;
	Experience in QA and high level nuclear quality standards implementation; Demonstrated experience in the successful interaction with high level stakeholders in the scientific/technical international environment is required. Previous experience of project or program management in the construction and/or fusion field, with supervisory responsibilities.
People management experience	At least 15 years
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Good negotiation skills
General skills	At least 15 years of high level and supervisory positions in major organizations in a scientific or construction environment; Ability to provide effective leadership; Ability to motivate and develop the team members' skills and experience.
	Ability to negotiate with influence and convince internal and external stakeholders;
Languages	Good working knowledge of spoken and written English is essential.
	English (Working)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Computer and IT skills consistent with managing a complex one-of-kind technical project.