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JOB DETAIL

Ref. IO1931 - 1/10/2018

Systems Engineering Coordination Officer CIO-124

Main job Mechanics

Department CIO/ Central Integration Office

Division CIO / Design & Construction Integration Division

Section CIO / DCIN / System Integration Section

Job Family Engineer - 2

**Application Deadline
(MM/DD/YYYY)** 02/21/2018

Grade P4

Direct employment Not required

Purpose To coordinate the project-wide implementation of the Systems Engineering approach, including requirements management, technical interface management, as well as verification and validation of requirements;
To coordinate and be responsible for the project-wide transversal functions implementation;
To coordinate the System Functional Analysis and the appropriate Transverse Systems Functional Design Integration Review;
To assume any other duty and responsibility related to Functional Analysis and implementation of the ITER Systems Engineering Plan.

-Provides effective coordination for Systems Engineering and System Functional Analysis;
-Responsible to develop and implement Systems Engineering Plan, including requirements management, technical interface control, and transversal functions; responsible for the procurement of specific contract to support the implementation of the above;
-Controls the functional interfaces performing Functional Design Integration Review and maintaining consistency with the requirements;
-Is responsible for the Integration, from a functional point of view, of Tokamak and Plant Systems, taking into account the buildings layout and environmental constraints including Nuclear Safety requirements;

Main duties / Responsibilities -Controls the Baseline Documents including the Systems Requirements Documents, the Interface Sheets, the Interface Description Documents and the Engineering Diagrams, e.g. Process Flow Diagrams and Piping and Instrumentation Diagrams, Single-Line Diagrams through the whole lifecycle of the system integration;
-Coordinates the development of Design Plans and Document Production Plans for the functional integration of the Integrated Systems and the Transversal Functions; responsible for the procurement of specific contract to support the implementation of the above;
-Manages effectively in due time the collaboration with the Responsible Officers for the implementation of the Systems Engineering approach;
-Responsible for the effective organization of the Transverse Functional Design Integration Review in order to verify the implementation of the integrated requirements and advises/tracks on corrective actions, when necessary;
-May be required to work shifts during the ITER commissioning and Integrate-commissioning phases;
-Performs other duties in support of the project schedule;
-May be requested to be part of any of the project/construction teams and to perform other duties;
-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

-Reports to the System Integration Section Leader;
-Interface closely with the Safety Department, Science and Operation Department, Plant Engineering Department, Tokamak Engineering Department and Project Teams for procurement and construction;
-Acts as an interface between the Central Integration Office, the technical responsible officers within IO and Domestic Agencies, and contractors;

Measures of effectiveness -In response to requests from the Director-General (DG) and/or Central Integration Office (CIO) Head, or proactively, informs the DG/ CIO Head 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.

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-Enhance, maintain and report efficiently the ITER System functional integration, through the management of the Baseline Document, including the Top-Down Functional Analysis, Systems Requirements Documents, Interface Requirements Documents, Process Flow Diagrams, Piping and Instrumentation Diagrams, etc.;

-Ensure and report a proper implement the Systems Engineering processes within the defined quality, cost and schedule ;

-Prepare, coordinate and report effectively the functional test of the Integrated Systems based on the Overall Project Schedule, as validation of the ITER requirements and functionalities.

Project Construction Phase
SAP-Id: 50002971

Level of study	Master or equivalent degree
Diploma	mechanical, nuclear or other relevant field
Level of experience	At least 10 years
Technical experience/knowledge	<p>-Proven experience and additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree.</p> <p>-At least 10 years' experience in the implementation of the Systems Engineering approach for complex engineering projects, likely in international environment;</p> <p>-Extensive experience in design (especially functional analysis), procurement, construction and commissioning;</p> <p>-Excellent project coordination competencies;</p> <p>-Experience in the engineering, construction and commissioning of nuclear / fusion facilities and in the Quality Assurance and nuclear quality standards implementation is required.</p>
Social skills	<p>Ability to work effectively in a multi-cultural environment</p> <p>Ability to work in a team and to promote team spirit</p>
Specific skills	<p>MS Office professional (Access, Project, Publisher, Visio)</p> <p>MS Office standard (Word, Excel, PowerPoint, Outlook)</p>
General skills	<p>-Ability to facilitate dialogue with a wide variety of contributors and stakeholders;</p> <p>-Ability to adjust communication content and style to deliver messages;</p> <p>-Ability to persist in the face of challenges to meet deadlines with high standards;</p> <p>-Flexible and proactive approach oriented on problem solving;</p> <p>-Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.</p>
Others	<p>-Excellent knowledge of the Microsoft Office package;</p> <p>-Knowledge of DOORS and PLM is considered as an advantage.</p>
Languages	English (Fluent)

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