

# IO1663 Requirements Management Engineer - CIO-050

## General information

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|--------------|---|
| Job category | Standard  |
| Status       | Published                                       |
| Department   | CIO/ Central Integration Office                 |
| Division     | CIO / Configuration Management Section/Division |

## Job description

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| Main job                       | Engineering - Mechanics   |
| Title of the position          | Requirements Management Engineer - CIO-050  |
| Job family                     | Engineer - 2  |
| Grade                          | P3  |
| Direct employment              | Not required  |
| Purpose                        | <p>To support the management of ITER requirements, verification and validation processes for the IO Project.</p> <p>Develops and improves the requirement management processes and implements procedures and templates in accordance with the ITER Quality Assurance Program to ensure that the top level safety and technical objectives are correctly identified, allocated to and verified for the lower level ITER system elements (systems, structures and components), then validated, as well as recorded and tracked;</p> <p>Ensures that the requirement management process is correctly implemented within the ITER Project and progressively improve its maturity;</p> <p>Collaborates with the European Domestic Agency (DA) Fusion for Energy (F4E) and other DAs' project for drafting and implementing common processes, tools and procedures in the ITER requirement database;</p> <p>Improves the requirement data model as part of the control of requirements propagation, traceability, verification and validation;</p> <p>Develops the requirements database with incorporation of the new functionalities required for the continuous improvement of process integration and control;</p> <p>Supports the technical Responsible Officers (RO), system engineers, safety RO, and DAs in the identification and control of quality and consistency of the requirements, the verification and validation of their propagation &amp; implementation;</p> <p>Ensures quality control and compliance with the procedure of the inputs/outputs of the requirement management process and verifications;</p> <p>Ensures the recording and archiving of all data related to the requirement management process and its application;</p> <p>Ensures the preparation of training sessions on requirement procedures and carries out training courses for potential users;</p> <p>Monitors the administration of the requirements database and development of instructions in support to the database users;</p> <p>Issues regular reports on the status of the requirement propagation and compliance;</p> <p>Supports the line management and the Central Integration Office (CIO) Head in the identification and monitoring of the resolution of any outstanding design issue;</p> <p>Supports the line management in the control of the technical qualifications of the staff involved in safety important activities related to requirement management;</p> <p>Participates in internal and external audits related to design control process;</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>May be requested to be part of any of the project teams and to perform other duties upon management request;</p> <p>Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</p> |
| Main duties / Responsibilities | <p>Reports to the Configuration Management Section / Division Head;</p> <p>Interfaces with all involved departments in addition to the ITER Quality Assurance &amp; Assessment Division;</p>  |

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| Measures of effectiveness | <p>Interacts with remote &amp; on-site developers and user groups;</p> <p>Interacts with the ITER project members to ensure the proper requirement management procedures are applied to design activities;</p> <p>In response to requests from the Director-General 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 that may jeopardize the achievement of the Project's objectives.</p> |
|                           | <p>Adherence to the Project schedule and requirements standards;</p> <p>Develops and maintain requested processes within the defined schedule and cost;</p> <p>Maintains consistent set of process description document;</p> <p>Accuracy and completeness of the requirement database;</p> <p>Trains efficiently and obtains users' acceptance of the requirement management tools;</p> <p>Communicates and interacts with the ITER team members to ensure the proper management of the requirements.</p>                       |
|                           | Project Construction Phase  |

## Applicant criteria

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| Technical experience/knowledge | Level of study      | Master or equivalent degree   |
|                                | Diploma             | System/mechanical engineering or other discipline   |
|                                | Level of experience | At least 8 years  |
|                                |                     | <p>Good knowledge of design processes (including Systems Engineering) and construction of nuclear plants, and the related nuclear quality assurance program and methods;</p> <p>Comprehensive knowledge of quality, environmental and regulatory requirements, and codes and standards in design and construction;</p> <p>Comprehensive knowledge of nuclear safety regulations and licensing procedures.</p>   |
|                                |                     | <p>At least 8 years' experience in design control and requirement management;</p> <p>At least 5 years' experience in preparation of procedures in the areas of requirement management, design control and quality control implementation;</p> <p>Practical experience in the implementation of the requirement management through the full engineering V-cycle (including testing, verification &amp; validation),</p> <p>Practical experience in the use of a specialized database for requirement management (e.g. DOORS),</p> <p>Experience of work in large multinational projects would be an asset.</p> |
|                                | Social skills       | Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit  |
|                                | General skills      | <p>Demonstrated ability to work in a multidisciplinary team and to interact with experts in many technical disciplines.</p> <p>Organizational skills and autonomy for his/her of responsibility;</p> <p>Flexible and proactive approach oriented on problem solving;</p> <p>Ability to write clear and concise reports and procedures in English.</p>   |
|                                | Languages           | English (Fluent)  |
|                                | Others              | <p>Excellent knowledge of basic micro-soft office applications;</p> <p>Good experience working with databases and requirements management tools.</p>  |