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JOB DETAIL

Ref. IO1747 - 8/4/2016

Fire Protection Commissioning Engineer - PED-062

Main job	Nuclear Power
Department	PED / Plant Engineering Department
Division	PED / Cooling Systems Engineering Division
Section	PED / CSED / Cooling Water System Section
Job Family	Engineer - 2
Application Deadline (MM/DD/YYYY)	09/15/2016
Grade	P3
Direct employment	Not required
Purpose	-To be responsible for the preparation of the commissioning technical specifications and procedures for the ITER Fire Protection System. To execute the Fire Protection System functional analysis. -To coordinate Fire Protection System commissioning making sure that defined requirements achievement is clearly demonstrated. -To develop guidelines to manage fire events and to coordinate implementation in the ITER systems
Main duties / Responsibilities	-Is responsible for the preparation of commissioning technical specifications, plan and procedures for ITER Fire Protection System in accordance with the defined requirements and makes sure that clear demonstration of the defined requirements can be achieved with the proposed commissioning procedures. Makes sure that the proposed commissioning plan is coherent with the overall ITER schedule; -Performs functional analysis of the Fire Protection System to check that the design fulfils the requirements; -Coordinates commissioning of the Fire Protection System and makes sure that clear demonstration of the defined requirements is achieved during commissioning, prepares commissioning reports, and proposes corrective actions in case commissioning is not successful; -Evaluates the fire load area by area and performs computer simulation of fire events; -Develops guidelines to manage fire events and coordinates the implementation in all the ITER systems with particular focus to fire detection, fire segregation, fire isolation, fire extinguishing, air temperature, etc. and with a clear distinction for system whose operation is required during a fire event and for system for which it is not; -Collaborates with the European Domestic Agency (F4E) for Fire Protection System /components tests, reviews Fire Protection System design and test procedures, reviews test reports; -Collaborates with F4E in the optimization of the Fire Protection System, participates to the Fire Protection System reviews, acts as interface between the Fire Protection System and the different clients/suppliers to make sure that the overall system (Fire Protection System, clients and suppliers) is well integrated; -Performs other duties in support of the project schedule as described in the Detailed Work Schedule and the Strategic Management Plan;
Measures of effectiveness	-May be requested to be part of any of the project team and perform other duties upon management request; -Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.  -Reports to Cooling Water System Section Leader; -Interacts with F4E and suppliers; In response to requests from the Director-General and/or Plant Engineering Department (PED) Head, or proactively, informs the DG/PED 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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- Prepares technical specifications, plans and procedures for Fire Protection System commissioning, coordinates Fire Protection System commissioning within the defined cost & schedule;
- Prepares commission tests reports, proposes corrective actions in case commissioning tests are not successful.
- Performs accurate Fire Protection System functional analysis, evaluates fire load area by area and perform computer simulation of fire events;
- Develops guidelines to manage fire events and coordinates implementation in all the ITER systems within the defined schedule;
- Reviews the Fire Protection System design with particular attention to safety and performance requirements implementation.
- Collaborates efficiently with F4E for the optimization of Fire Protection System and for testing of Fire Protection System /components, reviews test reports.

Project Construction Phase

Level of study	Master or equivalent degree
Diploma	Nuclear or Process Engineering field
Level of experience	At least 8 years
Technical experience/knowledge	<p>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree</p> <p>-At least 8 years' experience in test and commissioning of Fire Protection Systems (development of test and commissioning procedures, test performance coordination, preparation and review of test and commissioning reports, etc.) for nuclear installations.</p> <p>-Relevant experience in the design of Fire Protection Systems (functional analysis, lines / in line components / equipment sizing, Process and Instrumentation Diagrams (P&amp;IDs) development, etc. for nuclear installations;</p> <p>-Good Project Management experience is required.</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	-Knowledge and experience in the use of computer software commonly used for design and verification of Fire Protection Systems.
Languages	English (Fluent)

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