

IO1231 Safety Analyst SQS-028

General information

Job category	Standard
Status	Published
Department	SQS/Department for Safety, Quality & Security
Division	SQS/ Nuclear Safety and Licensing Division
Section	SQS / NSAD / Safety Analysis & Assessment Section

Job description

Main job	Safety - Security - Nuclear Safety
Title of the position	Safety Analyst SQS-028
Job family	Organizational Support Domain Officer - 1
Grade	P4
Direct employment	Required
Purpose	<p>To lead the analysis of postulated accident scenarios as part of the safety case for ITER.</p> <p>To prepare documentation to be submitted to the nuclear safety authorities in the area of nuclear safety analysis.</p> <p>Supports the Safety Analysis and Assessment Section Leader in matters related to ITER ORGANIZATION (IO) safety analysis, particularly in the modeling of incident and accident scenarios related to fire or explosion;</p> <p>Defines postulated accident scenarios, sets up & uses computational models of IO systems for analysis of the consequences of these scenarios, performs fire and explosion risk analyses, coordinates work of this type by other members of the team;</p> <p>Liaises with IO technical dpts in areas related to safety analyses, in particular buildings, ventilation systems & fuel cycle systems;</p> <p>Coordinates studies performed under external contracts & task agreements related to safety assessments, such as fire & explosion risk analyses & R&D related to the risk of dust/hydrogen explosions;</p> <p>Takes editorial responsibility for relevant sections of documentation prepared for submission to the French nuclear safety authorities as part of the IO licensing process, some of the documents will have to be written in French;</p>
Main duties / Responsibilities	<p>Prepares responses to the demands of the nuclear safety authorities during the various stages of the IO licensing process, both written documents & by presentations & discussions with the authorities & their technical advisors; some of the responses will have to be written in French;</p> <p>Contributes to IO project documentation, particularly in relation to safety analyses & reviews IO design and procurement documentation for compliance with safety requirements, participates in design reviews;</p> <p>Shows strong commitment to the IO safety approach and enforces it through individual behavior within the IO;</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 IO Safety Program, values and ethics.</p>
Measures of effectiveness	<p>Reports to the Safety Analysis and Assessment Section Leader.</p> <p>Interfaces with all other IO departments, and with contractors and teams in the Domestic Agencies who are supporting safety analysis work;</p> <p>In response to requests from the Director-General (DG) and/or Director of the Safety Quality and Security Department (SQS), or proactively, informs the DG/SQS Director 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>Successfully builds-up and executes all functions as described above;</p> <p>Effectively coordinates the incident and accident analysis activities;</p>

Contributes to the acceptance of the IO safety case by the French Nuclear Safety Authorities.

Project construction phase
SAP ID: 50000131

Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Nuclear Engineering field
Level of experience	At least 10 years
Technical experience	Experience in analysis of nuclear systems, including safety analyses;
Project experience	2 to 4 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	<ul style="list-style-type: none">- Knowledge of fire/explosion risks in a confined nuclear environment and experience in their calculation;- Knowledge of fusion technology and experience in analyzing fusion systems;- Familiarity with the principles of nuclear safety, understanding of their application to ITER and familiarity with the regulatory approach in France.- Ability to coordinate and organize the work done by multiple contributors with different linguistic and cultural backgrounds;- Ability to read and write documents in French would be an advantage.
Languages	English (Working)
Free criteria	Competent in running large computer simulations of complex systems, as well as good office computing skills.