

# IO1395 Nuclear Safety Engineer SQS-040

## 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	Nuclear Safety Engineer SQS-040
Job family	Functional Officer - 2
Grade	P3
Direct employment	Required
Purpose	<p>To support the Nuclear Safety Licensing and Environmental Protection Division by providing a technical basis in support of the ITER safety case, the licensing process, and the implementation of safety requirements in ITER.</p> <p>To develop safety analyses ensuring licencing process &amp; respect of safety requirements for the Machine and to coordinate the application of the ALARA principle (As Low As Reasonably Achievable) into the machine, by developing provisions into the design.</p> <p>Develops and provides safety analyses fulfilling Autorité de Sûreté Nucléaire (Safety French Authorities) demands (technical prescriptions);</p> <p>Develops and maintains safety data base regarding the application of French nuclear facilities orders and French environmental orders;</p> <p>Develops documents and coordinates studies regarding the safety topics related to releases (gaseous or liquid, radioactive or chemical), radiation protection and environmental impact and monitoring associated with the impact studies;</p> <p>Performs, checks and coordinates the calculations in links with radiation protection, releases or radiological/toxic consequences;</p> <p>Ensures the implementation of the ALARA concept for collective doses for all ITER activities, in particular for the maintenance;</p> <p>Ensures the adequacy of the ITER releases and environment monitoring plan with French regulations and the impact studies;</p>
Main duties / Responsibilities	<p>Coordinates the planning and contributes to the execution and integration of activities complying with the demands and engagements of/to the French nuclear safety authorities during the licensing process, e.g. those related radiation protection (including ALARA and maintenance), releases, environmental monitoring;</p> <p>Is responsible for the follow up of the procurement as safety responsible officer, ensuring the application of the French Nuclear Facility order for the manufacturing, participating in safety internal inspection for radiation protection (including ALARA and maintenance), releases, environmental monitoring;</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 ITER Safety Program, values and ethics.</p> <p>Reports to the Safety Analysis &amp; Assessment Section Leader;</p> <p>Maintains communications with other organizations within the ITER collaboration;</p> <p>In response to requests from the Director-General/ Department for Safety, Quality and Security Director or proactively, informs the DG/ Department for Safety, Quality/Security 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>
Measures of effectiveness	<p>Positive results in the resolution of safety issues in the field of radiation protection (including ALARA and maintenance), releases, environmental monitoring;</p> <p>Accurate and relevant responses provided to the nuclear safety authorities in the issues related to the technical areas relevant to this post;</p>

	<p>Successful integration into the ITER project of safety requirements in the relevant technical areas;</p> <p>Effective procurement follow-up regarding safety aspects;</p> <p>Development and maintenance of trustworthy, up to date information out of the project management tools;</p> <p>Effective definition of priorities of activities under the scope of responsibilities.</p> <p>Project construction phase</p>
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## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Nuclear Safety or environmental studies
Level of experience	At least 8 years
Technical experience	<ul style="list-style-type: none"> <li>- At least 8 years of experience in safety related to radiation protection and environmental topics for nuclear facilities (design, commissioning, operation) or for the assessment of these facilities,</li> <li>- Experience in performing calculations in the domains of radiation protection, releases, radiological or toxic consequences,</li> <li>- Experience in the application of French regulations would be an advantage;</li> <li>- High level of experience either in a large nuclear project or be specialist of the technical field of the job description;</li> <li>- Knowledge in the commissioning and operation of the components needed to perform the radiation protection or releases/environmental monitoring functions;</li> <li>- INSAG 4 principles will apply directly to the job holder and it will be checked that applicants have an interrogative attitude to safety problems, a prudent approach to safety questions and are able to communicate and carefully listen to different opinions.</li> </ul>
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to organize and monitor activities, Ability to communicate effectively
General skills	<p>Experience in coordinating and organizing the work done by multiple contributors of different cultures;</p> <p>Basic Project Management experience or skill is required;</p> <p>Experience with writing technical / scientific reports is desirable.</p>
Languages	English (Working)
Specific skills	MS Office standard (Word, Excel, PowerPoint, Outlook)
Others	Working knowledge French (written and spoken) would be an advantage.