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## JOB DETAIL

Ref. IO1632 - 1/8/2016

### Nuclear Safety Engineer - SD-006

<b>Main job</b>	Nuclear Power
<b>Department</b>	SD/ Safety Department
<b>Division</b>	SD / Environmental Protection & Nuclear Safety Division
<b>Section</b>	SD / EPNS / Safety Analysis & Assessment Section
<b>Job Family</b>	Functional Officer - 2
<b>Application Deadline (MM/DD/YYYY)</b>	01/31/2016
<b>Grade</b>	P3
<b>Direct employment</b>	Required
<b>Purpose</b>	To propose, develop and implement defined requirements related to buildings within the ITER nuclear fence boundaries.

- Develops and provides safety analyses needed to fulfil the Autorité de Sûreté Nucleaire (Safety French authority- ASN) demands and technical prescriptions;
- Develops and maintains safety database regarding the application of French Order of 10 August 1984 replaced by order 7th February 2012 (INB order) regarding safety-related activity or on protection of safety important component;
- Coordinates safety engineering activities for buildings and structures as well as their support and protection systems, in particular the non-nuclear structures that host protection important components or those which may impact nuclear buildings;

#### Main duties / Responsibilities

- Monitors the planning, execution and integration of activities during the licensing process, in particular those related to mechanical components, buildings and structures in compliance with regulatory requirements;
- Is responsible for monitoring the procurement as safety responsible officer, ensuring the application of the French Nuclear facility order for the manufacturing, construction and commissioning, participating in safety internal inspection for mechanical components, buildings and structures,
- Performs other duties in support of the project schedule as described in the Detailed Work schedule and the strategic management plan,
- Supports the Safety Analysis and Assessment Section Leader and the Division head in matters related to buildings and mechanical components,
- Prepares technical responses to the demands of the nuclear safety authorities for verbal or written communication;;
- Contributes to ITER project documentation and reporting, particularly in relation to safety analyses, and reviews ITER design documentation for compliance with defined requirements;
- Performs other duties linked with the above propose upon management request, as necessary
- Shows strong commitment to the ITER safety approach and enforces it through individual behavior within the Organization;
- Maintains a strong commitment to the implementation and perpetuation of the ITER values and ethics.
- Reports to the Safety Analysis and Assessment Section Leader.
- Interfaces with all other ITER departments, and with contractors and teams in the Domestic Agencies who are

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	<p>supporting safety analysis work;</p> <ul style="list-style-type: none"><li>• In response to requests from the Director-General and/or Department Head, or proactively, informs the DG/ Department 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.</li></ul>
Measures of effectiveness	<ul style="list-style-type: none"><li>• Develops positive results in the resolution of safety issues in the field of building, structures and mechanical components.</li><li>• Provides accurate and relevant responses to the nuclear safety authorities in the issues related to the technical areas relevant to this post;</li><li>• Implements properly defined requirements in the relevant technical areas within the ITER project; ;</li><li>• Procures effective follow-up regarding safety aspects;</li><li>• Develops and maintains of trustworthy, up to date reports and information out of the project management tools;</li><li>• Defines effectively priorities of activities under the scope of responsibilities.</li></ul>
Project Construction Phase	
Level of study	Master or equivalent degree
Diploma	Nuclear engineering field or other discipline
Level of experience	At least 8 years
Technical experience/knowledge	<ul style="list-style-type: none"><li>– Basic knowledge of Tokamak design and configuration, of fusion technology, and experience in analyzing fusion systems would be an asset;</li><li>– At least 8 years' experience in nuclear safety, for mechanical and civil work large nuclear projects</li><li>– Experience to make clear summary and synthesis of documents. Experience with writing technical or scientific reports;</li><li>– Familiarity with the principles of nuclear safety and familiarity with the regulatory approach in France;</li><li>– Basic Project Management experience is required.</li></ul>
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team spirit
Others	<ul style="list-style-type: none"><li>– Ability to read documents in French and to answer in French to the regulator would be an advantage;</li><li>– Proficient in running large computer simulations of complex systems, as well as good office computing skills;</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.</li></ul>
Languages	English (Fluent)

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