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Ref. IO1061 - 12/17/2009

Senior Safety Analyst - CIE/PRO-041

Main job	Nuclear Safety
Type of contract	Fixed term contract
Grade	P4
Purpose	To lead the analysis of potential accident scenarios as part of the safety case for ITER, and prepare documentation to be submitted to the nuclear safety authorities in this area.
Main duties / Responsibilities	<ul style="list-style-type: none"> • Supports the Safety Analysis and Assessment Section Leader in matters related to ITER safety analysis, particularly to model incident and accident scenarios; • Defines potential accident scenarios, sets up and uses computational models of ITER systems to analyze the consequences of these scenarios, coordinates these tasks when done by other team members; • Liaises with ITER technical departments in areas related to safety analyses, especially tokamak cooling water systems, fuel cycle systems and plasma control issues; • Coordinates studies performed under external contracts and task agreements related to safety assessment, such as fire and explosion risk analyses, and R&D related to the risk of dust/hydrogen explosions; • Takes editorial responsibility for relevant sections of documentation to be submitted to the French nuclear safety authorities as part of the ITER licensing process; • Prepares responses to their technical advisors (written documents, presentations, and discussions) to answer the demands of the nuclear safety authorities during the examination of the ITER safety files; • Contributes to ITER project documentation, especially in relation to safety analyses, and reviews ITER design documentation for compliance with safety requirements; • 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.
Direct employment	Required
Measures of effectiveness	<ul style="list-style-type: none"> • Successfully builds-up and executes all functions as described above; • Effectively coordinates the incident and accident analysis activities; • Contributes to the acceptance of the ITER safety case by the French Nuclear Safety Authorities.
Level of study	Master, equivalent or higher degree
Diploma	Masters or PhD degree in nuclear engineering
Level of experience	10 to 15 years
Technical experience	<ul style="list-style-type: none"> - At least 10 years experience in analysis of nuclear systems, including safety analyses; - 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.
Project experience	1 to 2 years
People management experience	1 to 2 years
Social skills	Ability to work effectively in a multi-cultural environment Ability to work in a team and to promote team work
Specific skills	<ul style="list-style-type: none"> • People Management experience: - Ability to coordinate and organize the work done by multiple contributors with different linguistic and cultural backgrounds.

- Computer and IT skills:
 - Competent in running large computer simulations of complex systems, as well as good office computing skills.

Languages English (Fluent)
French (Working)

General skills MS Office professional applications (Access, Project, Publisher, Visio)
MS Office standard applications (Word, Excel, Powerpoint, Outlook)

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