

# IO1186 Nuclear Civil Engineer BSI-052

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Buildings & Site Infrastructure
Section	BSI / BSI-1 / Nuclear Buildings Section

## Job description

Main job	Engineering - Civil engineering
Title of the position	Nuclear Civil Engineer BSI-052
Job family	System Engineer - 2
Grade	P4
Direct employment	Not required
Purpose	<p>To play a key role in the mission of the Buildings and Site Infrastructure Directorate which is primarily to ensure the oversight of the design and construction of the buildings and site infrastructure associated with the ITER project such that the project objectives in terms of cost, schedule and performance are achieved.</p> <p>To prepare, update and manage the design input data and other technical information necessary to fully define the ITER requirements for the project.</p> <p>To ensure the implementation of the ITER project management systems in particular those relating to oversight of contractors and suppliers in a nuclear environment.</p>
Main duties / Responsibilities	<p>Undertakes the day to day preparation, update and management of the technical documentation that forms the ITER requirements for the buildings and site infrastructure with a specific focus on the nuclear buildings. This task encompasses the updates of baseline documents and the keeping up to date of the ITER database where engineering data will be stored and managed;</p> <p>Analyses and prepares technical impact assessments of Project Change Requests affecting buildings and site infrastructure that have arisen due to proposed modifications on other areas of the project;</p> <p>Assesses Deviation Requests or Non-conformity raised by Domestic Agencies (DAs) and contractors including the preparation and management of associated Project Change Requests where necessary;</p> <p>Assesses critically the designs prepared by the DAs and their contractors and takes an active role as a technical expert in design reviews relating to the design of the Nuclear Buildings;</p> <p>Plans, sets up and manages ITER reviews and audits of the designs produced by the DAs and their contractors.</p> <p>Writes, implements, and manages the implementation by others, of technical documents, policies, procedures and work instructions focusing on French regulatory requirements relating to Basic Nuclear Installations in particular the application of the ITER Quality Assurance (QA) systems put in place to ensure such compliance; Manages (as chairman where necessary) meetings relating to the design and construction of the ITER buildings. Ensures meeting outcomes are consistent with ITER overall requirements;</p> <p>Undertakes on-site monitoring activities and audits to ensure that construction activities are carried out in accordance with approved designs. Ensures full traceability of activities from design through to as-built records;</p> <p>Acts as Section Leader in case of absence and approved delegation, as requested; Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</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 ITER Safety Program, values and ethics.</p> <p>Reports to the Nuclear Buildings Section Leader; Interfaces with other BSI Section Leaders, IO line management, with all IO team members, Technical Responsible Officers and contractors;</p>

Measures of effectiveness	<p>Interacts with Central Integration &amp; Engineering Directorate to ensure interfaces are coherent and managed in accordance with applicable configuration control procedures; Interacts with ITER systems' owners as well as DAs' staff and contractors.</p> <p>In response to requests from the Director-General and/or Buildings and Site Infrastructure (BSI) Director, or proactively, informs the DG/BSI 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>Compliance of assigned tasks to the ITER schedule;  Completion of technical responses within assigned timeframe;  Number of technical documents drafted and reviewed successfully;  Contribution to technical meetings &amp; level of positive feedback from attendees.  Positive feed-back from Technical Responsible Officers, internal customers and external contractors.</p> <p>SAP Number: 5-331</p>
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## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Engineering or other appropriate discipline
Level of experience	At least 10 years
	Strong level of competence in both design and construction oversight within a nuclear environment.
	At least 8 years' experience of design and building construction within a nuclear environment and to specific internationally recognized standards applicable to the Nuclear Buildings Industry such as GS-R-3.
	Experience of implementation of rigorous QA procedures and management of associated documentation.
Technical experience	<p>Experience of motivating and leading people to achieve outcomes and in managing technical meetings to achieve project goals.</p> <p>Experience of basic project management concepts such as scheduling, Earned Value Management, task management.</p> <p>Experience of problem solving in a multi-task environment to strict deadlines.</p> <p>Experience of making presentations, writing reports and effective verbal communication.</p> <p>Experience of working within an international environment would be beneficial.</p> <p>Understanding of the ITER project and/or Fusion environment would be beneficial.</p>
Project experience	At least 10 years
	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit, Ability to communicate effectively, Ability to work under pressure, Good negotiation skills
Social skills	
Languages	English (Working)
Free criteria	Proven track record of motivational leadership