

## ITER 국제기구 공모 직위 직무기술서 (제179차)

### ○ 1개 직위

구분	분야	소속	직위	Job No.	등급
①	중앙통합 (CIO)	Design & Construction Integration Division Design Integration Section	Building Integration Engineer	CIO-080	P2

# IO1805 Building Integration Engineer - CIO-080

## General information

Job category	Standard
Status	Published
Department	CIO/ Central Integration Office
Division	CIO / Design & Construction Integration Division
Section	CIO / DCIN / Design Integration Section

## Job description

Main job	Engineering - Civil engineering
Title of the position	Building Integration Engineer - CIO-080
Job family	Engineer - 1
Grade	P2
Direct employment	Not required
Purpose	<ul style="list-style-type: none"><li>-To assist the Area Manager in assuring systems integration in managing functional and physical interfaces, checking Process &amp; Instrumentation Diagram implementation;</li><li>-To assure implementation of Licensing Design Basis flow down into the Plant configuration;</li><li>-To address the space management activities taking care of Area events within and beyond design basis;</li><li>-To assure the integrated design managing together Functional / Area Events (e.g. Flooding / Fire/ Segregation / Radiological protection / Primary and Secondary Missiles Protection) / Layout / In-Service-Inspection (ISI)/ Maintenance / Replacements requirements;</li><li>-To coordinate the related design &amp; construction activities and to propose to the Area Manager priorities for the execution of the work in the area of his/her scope of responsibility.</li></ul>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>-Coordinates and monitors the production of ITER P&amp;IDs and Cabling Diagrams associated to the mechanical / electrical Systems belonging to the involved Area management;</li><li>-Assures the Space management according to French safety Authority Licensing Design Basis (LDB) as well as Maintenance / ISI / Remote Handling strategies;</li><li>-Assures the Area events management in terms of Radiological Map, Flooding, Electromagnetic phenomenon;</li><li>-Supports the Nuclear Integration Unit in the implementation of additional nuclear shielding protection in line with ITER Policy requirements for protection of electronics and radiological shielding;</li><li>-Assures satisfaction of space management requirements taking care of interfaces definition and control as well as of Area Events Requirements as per the French safety Authority Licensing Design Basis, reporting to and discussing any possible issues with the Area Manager;</li><li>-Assures control of layout drawings consistent with 3D Master Configuration Models;</li><li>-Assures the development and management of plant systems integrated design/construction sequence and associated installation / commissioning operations time schedule moving into Areas / Systems integration;</li><li>-Assures the systems functionality managing integration of Users and Auxiliaries;</li><li>-Assists the Area manager in the assessment and implementation of Project Change Requests (PCR), Field Change Requests (FCR), Deviation Requests (DR), Non-Conformance Requests (NCR) ensuring the prompt implementation of the required changes in layout on assembly sequences, previous completion of an authorized costs / benefits analysis;</li><li>-Organizes / implements at different maturity levels (including manufacturing) the quality control of the schematics and associated engineering data related to the components or systems;</li><li>-Performs other duties in support of the project schedule;</li><li>-May be requested to be part of any of the project/construction team dealing with the above activities and perform other duties upon management request;</li><li>-Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li><li>-Under the coordination of the Area Manager, reports to the Design &amp; Integration Section Leader;</li></ul>

Measures of effectiveness	<p>-Is member of the Nuclear Buildings integration cell in charge of the integrated control of plant systems design/layout in building and its services;</p> <p>-Acts as contact between construction and engineering staff liaising with all IO and Domestic Agencies responsible officers in charge of the design and procurement in the area acting as the contact between construction and engineering;</p> <p>-In response to requests from the Director-General and/or Central Integration Office Head, or proactively, informs the DG/Central Integration Office 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>-Relevant layout optimization proposals provided;</p> <p>-Provide reports and assessments ensuring the adhesion to the design and construction schedule in the area of competence within the defined timeframe;</p> <p>-Timely and accurate report, about analysis and implementation of the changes affecting the layout of system in the area of competence;</p> <p>-Timely and accurate reporting on the status of the configuration.</p> <p>Project Construction Phase SAP Id: 50002990</p>
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## Applicant criteria

Level of study	At least Master's Degree or equivalent
Diploma	Nuclear engineering or equivalent
Level of experience	At least 5 years
Technical experience/knowledge	<p>-Extensive experience in similar jobs (involving similar work responsibilities) and/or additional training certificates in relevant domains may be considered a reasonable substitute for the required educational degree;</p> <p>-Knowledge in Systems Design &amp; Systems Integration (Plant/Mechanical Engineer);</p> <p>-Knowledge in Systems Integration, Functional Analysis and Safety Analysis.</p>
Social skills	<p>Ability to work in a team and to promote team spirit, Ability to communicate effectively</p> <p>-Knowledge in nuclear engineering and having developed basic knowledge in process design, functional and safety analysis;</p>
General skills	<p>-Nuclear experience is considered as an advantage;</p> <p>-Capacity to address Safety Analysis for Accidental scenarios within and beyond design basis.</p> <p>-Capacity in addressing Costs / benefits analysis evaluating risks management and nuclear liabilities.</p>
Languages	English (Fluent)
Specific skills	Computer Aided Design, MS Office standard (Word, Excel, PowerPoint, Outlook)