

# IO1335 Radwaste System Technician CEP-112

## General information

Job category	Standard
Status	Published
Department	DIP/Directorate for Central Engineering & Plant
Division	CEP / Plant Engineering Division
Section	CEP/ PED/ Radioactive Materiales Engineering Section

## Job description

Main job	Engineering - Nuclear Power
Title of the position	Radwaste System Technician CEP-112
Job family	Technician - 2
Grade	G5
Direct employment	Required
Purpose	<p>To perform the ITER radwaste management system integrations in the Hot Cell Building (HCB), Radwaste Building (RWB), and Personnel Access Control Building (PACB). To coordinate the radwaste management system's interfaces with the buildings. To perform the mechanical load and seismic analysis of the radwaste management systems.</p>
Main duties / Responsibilities	<ul style="list-style-type: none"><li>- Provides technical support for establishing and maintaining configuration control models, general layouts, allocation drawings and configuration control lists of services and systems;</li><li>- Contributes to formalizing and documenting the integration work, structuring and keeping the design documentation up-to-date (feasibility analyses, design notes ) in a scheme consistent with the ITER project management system and practices;</li><li>- Drafts and manages the interfaces among components, systems and building, considering scheduling constraints;</li><li>- Performs mechanical load (pipe stress analysis, equipment fixing) and seismic analysis of the radwaste management systems;</li><li>- Provides technical support in section's overseeing/implementing manufacturing, and assembly &amp; installation, maintenance, testing, and commissioning of radioactive waste management equipment;</li><li>- Contributes to the preparation of schematic diagrams (block diagram, PFDs, PI&amp;Ds) and all descriptive technical documents that enable the systems to be designed properly;</li><li>- Communicates and collaborates with the European Domestic Agency, and ITER machine assembly and operation division to facilitate the system integration;</li><li>- Performs other duties in support of the project schedule as described in the Detailed Work Schedule (DWS) and the Strategic Management Plan (SMP);</li><li>- Performs other duties linked to the above purpose upon management request, as necessary;</li><li>- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.</li></ul> <p>Reports to Radioactive Materials Engineering Section Leader; Interacts with members of the ITER Team and other relevant outside collaborators; In response to requests from the Director-General and/or Director of Central Engineering &amp; Plant (CEP) Directorate, or proactively, informs the DG/ Director of CEP Directorate 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>Provides effective technical support to the Radioactive Materials Engineering Section Leader by timely review and update of interface and layout documents; Effectively manages safety issues and users technical requirements; Communicates effectively with other teams and groups within the ITER organization and other relevant outside collaborators; Timely draft process and instrumentation diagrams to finalize the design of the Radioactive Materials Engineering Section.</p>
	ID SAP : 50000715 - Project construction phase

Applicant criteria

Level of study	Bachelor or equivalent degree
Diploma	Nuclear, mechanical engineering or other relevant
Level of experience	At least 7 years
Technical experience	Experience in system integration, mechanical and seismic analyses, design, installation and/or assembly of technical projects in the nuclear field; Experience in system integration and interface management with buildings; Experience in mechanical and seismic analysis of nuclear installations (user knowledge of ANSYS computer code); Experience in writing technical documents; Experience in radwaste management system design would be an advantage.
Social skills	Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team spirit
Languages	English (Working)
Specific skills	CATIA, ENOVIA, MS Office standard (Word, Excel, PowerPoint, Outlook)  Usage of SSD SEE Visio is an advantage;
Others	Knowledge of assembly & installation and testing of complex installations in the nuclear field; Knowledge on industrial standards related to design, installation, maintenance, and operation of nuclear facilities; Knowledge in schematics and drawings.