

TITLE: Hot Cell Facilities Technical Engineer		CEP-074
REPORTS TO LINE MANAGER: Leader of Hot Cell & Radwaste Services Integration Section Central Engineering and Plant Support		
Direct employment: not required		GRADE RANGE: G4-G5
Date Written: February 2008	Date Revised:	Date Revised:

Purpose:

The function of the Hot Cell is to provide facilities for processing, repair, testing and disposal of activated components and waste removed from the tokamak. It will comprise of a range of dedicated facilities and services and therefore requires technical engineer with a substantial background in nuclear technology within the section, in order to support excellent and on time integration.

Thus, the purpose of this position is: to support many of the activities under the responsibility of the ITER Hot Cell & Radwaste Services Integration Section with practical high nuclear engineering expertise; to contribute to the nuclear requirements for each area of these facilities, for detailed design, procurement, installation and testing in close relation with the Hot Cell layout engineer and responsible officer.

Major Duties / Responsibilities:

- Provide technical support for the layout engineer and the Responsible Officer in the preparation of technical and safety documents.
- Contribute to the preparation of schematic drawings, flow diagrams and all descriptive technical documents that enable to achieve the detailed design of the facilities.
- Provide technical support in the development of procurements specifications and schedules.
- Contribute to the detailed layout of the facilities and contribute to update the technical and functional description of the rooms in the Hot Cell Facilities.
- Contribute to the expertise of users' technical requirements and integration of construction and safety constraints.
- Contribution to the preparation of programs and schedules to build, test and commissioning of the facilities.

Qualification required:

- University degree in nuclear technology or mechanical engineering or equivalent
- At least 3 to 5 years experience in relevant fission nuclear facilities related to design and/or commissioning and/or operating and/or decommissioning. Experience of working with tritium environment and/or in hot cells, and/or remote handling operations and/or gloves boxes operations could be an advantage.

- Significant experience in producing and reading drawings, writing technical documents and procedures. Experience in CATIA usage and administration and experience with ENOVIA could be an advantage
- Experience in working in an international environment and ability to co-operate and work as part of a team.
- Good knowledge of nuclear technologies, of nuclear risks and nuclear regulation.
- Ability to work effectively in a multi-cultural environment.
- Very good command of English, both spoken and written, is essential.

Work Direction and Interfaces:

- Reports to the Hot Cell & Radwaste Services Integration Section Leader.
- Interfaces with Hot Cell and Low Level Radwaste facilities users, designers and civil engineering team in order to support excellent integration on time.

Authority / Approval Levels:

Has authority and approval levels generally defined by the Section Leader for his/her scope of work.

Measures of Effectiveness:

- Successful support of the ITER Hot Cell & Radwaste Services Integration Section team
- Successful management of interfaces regarding safety constraints and users technical requirements.
- Successful support of the preparation for the installation, tests and commissioning plans.
- Successful communication with other organizations within the ITER collaboration and the fusion community.