

TITLE: Fuelling Integration Technical Engineer		CEP-076
REPORTS TO LINE MANAGER: Leader of Fuelling and Wall Conditioning Section, Department of Central Engineering and Plant Support		
DIRECT EMPLOYMENT: REQUIRED		GRADE RANGE: G4-G5
DATE WRITTEN: May 2008	DATE REVISED:	DATE REVISED:

Purpose:

To design and integrate the layout of the fuelling and wall conditioning system components and installation scheme, and integrates the system with utilities under the responsibility of the ITER fuelling and wall conditioning section. To participate in defining and monitoring the many interfaces with other system and components.

Major Duties/Responsibilities:

During the initial period of assignment, the successful candidate will have the necessary expertise and skills to take several responsibilities among those listed below. In the future and as the Fuelling and Wall Conditioning Section develops, duties and responsibility will be reviewed.

- Responsible for the layout and integration of fuelling and wall conditioning system and its utilities.
- Controls functional and physical interfaces of the fuelling and wall conditioning system with other systems and components, such as VV, in-vessel components, building, tritium plant, vacuum, cryogenic, cooling water, power supply, etc.
- Participates in preparing the installation scheme and commissioning schedule of fuelling and wall conditioning system components and utility connections.
- Monitors the progress of mechanical design, R&D activities and the procurement of the fuelling and wall conditioning system in the Domestic Agencies.
- Provides assistance to Domestic Agencies and other ITER Groups to carry out design, R&D, interface control and procurement.
- Participates in the writing of procurement specifications and relevant documentations.
- Maintains a strong commitment to the implementation and perpetuation of ITER safety program, values and ethics.

Qualifications/ Experience Required:

- A first university degree in mechanical engineering or equivalent.
- At least 10 years experience in managing design, construction, layout, installation and commissioning of plant system. Experience in designing components working in high magnetic fields is an advantage.

- Good knowledge of remote handling, gas dynamics, cryogenic, vacuum system and tritium processing.
- Significant knowledge of CAD system and experience of working with designers.
- Good communication skills in written and spoken English.
- Proven ability to work effectively in a multi-cultural environment.

Work Direction and Interfaces:

Reports to the leader of the fuelling and wall conditioning section. Close cooperation and good understanding of the requirements and design of the ITER Plant.

Authority/Approval Levels:

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

Measures of Effectiveness:

- Successfully implements the layout and integration as well as the installation scheme of fuelling and wall conditioning system components.
- Successfully controls the interfaces of the fuelling and wall conditioning system with utilities.
- Successfully communicates with other organizations within the ITER collaboration and the fusion community.
- Successfully completes the tasks assigned under “Main Duties/ Responsibilities” above.