

TITLE: Cryostat and Vacuum Vessel Pressure Suppression Section Leader		TKM-073
REPORTS TO LINE MANAGER: Head of the Vessel Division, Department for Tokamak		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P4-P5
DATE WRITTEN: June 2008	DATE REVISED: July 2008	DATE REVISED:

Purpose:

- To lead and coordinate the overall design and procurement activity for Cryostat and VVPSS;
- To interface with participants responsible for procurement and their industries;
- To oversee and manage all technical aspects of these systems, develop implementation plans for all work, and monitor and control schedules for all associated activities.

Major Duties/Responsibilities:

- Provides effective leadership for the section, ensuring that team members are motivated and constantly developing their skills and experience;
- Coordinates all Cryostat/VVPSS design activities;
- Prepares the Technical Specification Documents for the Cryostat/VVPSS procurement;
- Oversees structural and thermal analysis of the Cryostat/VVPSS;
- Defines and coordinates the interfaces with other systems;
- Effectively interfaces with the ITER Domestic Agencies responsible for procurement;
- Oversees and manages all technical aspects of these systems, develops detailed implementation plans for all work, and monitors and controls associated schedules;
- Ensures that the engineering design of the Cryostat/VVPSS meets the requirements of the ITER machine;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

Qualifications Required:

- **Education :**
 - A University degree in Engineering.
- **Experience :**
 - 15 years' experience in the design and manufacture of components for Ultra High Vacuum (UHV) and/or nuclear devices;
 - Experience in fabrication (forming and welding) of large vessel structures;
 - Experience working with nuclear and conventional vessel codes;
 - Ideally the successful candidate will have experience of working on one of the world's large fusion devices;
 - Ability to work both in a team and to lead a group of professionals.

- **Language requirements:**
 - High level of written and spoken English.

Work Direction and Interfaces:

- Reports to Head of the Vessel Division;
- Interfaces with all other departments within the ITER Organization as required.

Authority/Approval Levels:

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

Measures of Effectiveness:

- Successfully manages the activities and staff of the section
- Successfully ensure an efficient and quality service
- Successfully establishes a collaboration attitude with all involved internal and external entities