

TITLE: Divertor Section Leader		TKM-033
REPORTS TO LINE MANAGER: Internal Components Division Leader; Tokamak Department		
DIRECT EMPLOYMENT: NOT REQUIRED	GRADE RANGE: P4-P5	
DATE WRITTEN: October, 2006	DATE REVISED: JULY 31, 2007	DATE REVISED:

Purpose:

The post entails leading a small team of professionals responsible for the specification, design and procurement of the divertor.

Major Duties/Responsibilities:

- Ensuring that the engineering design of the divertor meets the operational requirements of the machine, in terms of power handling, erosion lifetime, tritium retention, exhaust gas pumping etc. and that all the thermal and mechanical load cases are accommodated.
- Supervision of the engineers responsible for the design and timely procurement of the divertor including the integration of diagnostics.
- Leading the supporting analysis of the divertor.
- Ensuring the divertor is fully adapted for exchange using remote handling;
- Responsible for the interfaces with other systems such as vacuum vessel, heat transfer system, remote handling, waste management etc.
- Responsible for interfaces with other systems such as remote handling, vacuum vessel, cryostat etc.

Qualifications and Experience:

- A university degree in engineering or physics.
- 15 years experience in the design and manufacture of components for a UHV and/or nuclear devices.
- Ideally the successful candidate will have experience of working on one of the world's large fusion devices.
- Ability to both work in a team and lead a group of professionals.
- Ability to communicate with written and spoken English.

Work Direction and Interfaces:

Report to the Internal Components Division Head. Interfaces with all other groups 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:

Complete design and procurement of Divertor Components in a timely manner and within defined costs.

Successfully generates and maintains coherent, comprehensive, and understandable design documentation.

Successfully maintains effective communications within the ITER Organisation.