

TITLE : Design Engineer/Physicist		TKM-076
REPORTS TO LINE MANAGER: Leader of the Blanket Section, Internal Components Division, Department for Tokamak		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P3-P4
DATE WRITTEN: June, 2008	DATE REVISED: July 2008	DATE REVISED:

Purpose:

- To organize, participate and contribute to the procurement process from conceptual design, through supervision of detailed analyses to the following of the manufacturing process within the team designing and procuring the blanket first wall and shield module components.

Major Duties/Responsibilities:

- Provides input to the conceptual of the blanket components;
- Provides supporting thermal and/or mechanical analysis of the design solutions;
- Supervises detailed analyses performed by the Domestic Agencies, and ensures consistency among the various analyses;
- Follows and checks the detailed designs developed by the Domestic Agencies;
- Prepares documents required for the procurement process;
- Follows the manufacturing process of the blanket components;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

Qualifications and Experience:

- **Education :**
 - A University degree in Engineering or Physics;
- **Experience :**
 - 5 years experience in the design and manufacturing of components subject to thermal loads or nuclear radiation.
 - Experience in the fabrication of large complex structures;
- Ability to both work in a team and to collaborate within an international environment.
- **Language requirements :**
 - High level of written and spoken English.

Work Direction and Interfaces:

- Reports to the Blanket Section Leader;
- Interfaces with all other sections 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 completes design and procurement of allocated Blanket Components in a timely manner;
- Successfully generates and maintains coherent, comprehensive, and understandable design documentation;
- Successfully maintains effective communications within the ITER Organization.