

TITLE: Design Engineer/Analyst		TKM-077
REPORTS TO LINE MANAGER: Leader of the Blanket Section Leader, 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 work in the team designing and procuring the blanket first wall and shield module components. The scope of work will evolve with the procurement process, from the execution and supervision of detailed analyses and participation in the design, through the preparation of technical documents for the procurement, to the following of the manufacturing process.

Major Duties/Responsibilities:

- 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:**
 - Experience in the mechanical and thermo-hydraulic analysis of components subject to thermal loads or nuclear radiation;
 - Experience in the analysis of components subject to electromagnetic loads would be an advantage;
- 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 analysis of blanket components in a timely manner;
- Successfully generates and maintains coherent, comprehensive, and understandable design documentation;
- Successfully maintains effective communications within the ITER Organization.