

TITLE: Divertor Technical Officer		TKM-087
REPORTS TO LINE MANAGER: Divertor Section Leader, Internal Components Division, Department for Tokamak		
DIRECT EMPLOYMENT: REQUIRED		GRADE RANGE: G4-G5
DATE WRITTEN: June 2008	DATE REVISED:	DATE REVISED:

Purpose:

- To organize and monitor the divertor design activities;
- To manage the interfaces and tolerances;
- To prepare and analyze technical documents;
- To provide technical follow-up of inspections, assembly, installation and testing of divertor components during procurement.

Major Duties/Responsibilities:

- Coordinates the divertor CAD design activities including quality;
- Assists in the development of the divertor design, including model and 2D drawing checking, and assessment of tolerances and tolerance studies;
- Assesses the divertor manufacturing drawings produced by the suppliers, and ensures their consistency with the divertor design requirements;
- Manages the divertor interfaces;
- Maintains the Enovia database of the divertor components;
- Assists with the generation of technical reports and documents based on input from the technical staff;
- Prepares and follows up on divertor assembly procedures;
- Follows up on QA control procedures of the divertor components;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

Qualifications and Experience:

- **Education:**
 - Mechanical designer or technician, with a recognized qualification (degree, diploma or similar) in the mechanical field or a related discipline
- **Experience:**
 - At least 10 years' experience in the design and follow up of mechanical components;
 - Experience in the design of nuclear fusion components would be preferred;
- Ability to work in a team and to collaborate within an international environment.
- Working knowledge of the CATIA V5 CAD software;
- Knowledge of the Enovia database.
- **Language requirements:**
 - Ability to communicate in written and spoken English.

Work Direction and Interfaces:

- Reports to the Divertor Section Leader.
- Interfaces with all other sections in 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 generates and maintains coherent, comprehensive and understandable design documentation;
- Successfully generates and maintains coherent, comprehensive and understandable QA documentation;
- Successfully maintains effective communications within the ITER Organization.