TITLE: DESIGN ENGINEER, DEPARTMENT FOR TOKAMAK		**TKM-037**
REPORTS TO LINE MANAGER: Divertor Section Leader		
DIRECT EMPLOYMENT: **NOT REQUIRED**	**GRADE RANGE:** P3 – P4	
DATE WRITTEN: **October, 06**	**DATE REVISED:** **JUNE, 07**	**DATE REVISED:**

Purpose:

The engineering integration of the divertor system with all interfacing tokamak components. This includes the integration of the diagnostic systems, the divertor ports, shielding requirements, and ensuring the feasibility of all the associated remote handling operations.

Major Duties/Responsibilities:

- Engineering integration of diagnostic systems to the divertor cassettes, working in close collaboration with ITER Diagnostic Group and Domestic Agencies, ensuring that interfaces respect the functional requirements of divertor (performance, loads, manufacturing, assembly,...) and of diagnostics (measurement requirements …), and that common solutions are applied wherever possible
- Resolution of divertor interface issues with other tokamak systems
- Engineering integration of the systems in the divertor port (divertor remote handling systems, divertor cooling water systems, shielding, diagnostics), ensuring that all functional, assembly and safety aspects are accounted for and that common solutions are applied wherever possible
- Ensure feasibility and interfaces for all divertor & divertor port Remote Handling procedures, working in close collaboration with ITER Remote Handling Group
- Coordinate and monitor the diagnostic & divertor port design work carried out by the different Domestic Agencies and ensure that they meet the common interface solutions identified by ITER in an effective and timely manner
- Interface with System Analysis Group to coordinate the system analysis activities and ensure consistency with the design
- Plan and oversee R&D activities where required

Qualifications Required:

- University degree in engineering
- More than 10 years experience in the design, construction, system engineering and integration of projects in an international environment
- Good knowledge of the engineering aspects of the relevant ITER systems (divertor, diagnostics, Remote Handling, Vacuum Vessel)
- Good knowledge of the CAD systems and model management system used in ITER
- Demonstrated capability to both work in a team and lead the activities of a multidisciplinary and distributed design team
- Capability to interact with the Responsible Officers of the different disciplines
- Ability to communicate with written and spoken English. Additional languages are an advantage

Work Direction and Interfaces:

Reports to the Divertor Section Leader. 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:

Successfully integrates all interfacing systems with the divertor.
Successfully generates and maintains coherent, comprehensive, and understandable design documentation.
Successfully maintains effective communications within the ITER Organisation.