TITLE: **Senior engineer for the integration of ITER port systems**		PRO 005
REPORTS TO LINE MANAGER: Head of Design Integration and Configuration Management Section, Project Office		
DIRECT EMPLOYMENT: NOT REQUIRED	**GRADE RANGE: P3 ~P4**	
DATE WRITTEN: October 10, 2006	**DATE REVISED:** October 12, 2006	**DATE REVISED:** December 6, 2006

Purpose:
Responsible for the integration of port plug systems in to the basic machine

Major Duties/Responsibilities:

- Responsible for the integration of the plug systems (diagnostics, auxiliary heating system, test blanket modules) in the port plug and ensuring that all functional and safety aspects are properly accounted for.
- Prepare and implement the procedure for interface definition and design integration of the port interfacing system, together with the Section Head.
- Conduct formal review to identify and resolve issues.
- Maintain a common database of all information for the plug users...
- Inform and train the plug users and ensure that their work is fully compatible with the ITER safety and quality requirements.
- Interface with the system analysis group to coordinate the system analyses activities and the ensure consistency with the design.

Qualifications and Experience:

- More then 10 years experience in the design, construction, system engineering and integration of large scientific and/or nuclear projects.
- Good knowledge of the specific design aspects of the tokamak systems and experience in the management of assembly of similar devices
- Demonstrated capability to lead a small design team and coordinate the activities of multidisciplinary and distributed design team.
- Excellent capability to interact with experts from different disciplines.
- Knowledge of the engineering aspects of the design of the tokamak systems is an advantage

Work Direction and Interfaces:

- Reports to the Section Leader, Project Office Head and PDDG. Interfaces with all involved departments (DDG's) and divisions.
- Maintains frequent communication with the other ITER departments and interacts directly with appropriate levels in the Field Team and ITER parties domestic agencies for all matters of his responsibilities.

Authority/Approval Levels:
Has authority and approval levels generally defined by the Head of Project Office for his/her scope of work.

Measures of Effectiveness:

- Development of a consistent baseline of the in-cryostat systems,
- Effective management of interface issues.
- Establish a good collaboration attitude with all involved organizations.