TITLE: Technical Officer for Inte	gration of Tokamal	k and In-	PRO-049
Cryostat Systems			
REPORTS TO LINE MANAGER:	Section Leader De	esign Integ	gration and
Configuration Management Section; Project Office			
GRADE RANGE: G4-G5			
DATE WRITTEN: March 6, 2007	DATE REVISED:	DATE REVISED:	

Purpose:

Support to the Responsible for the Integration of all systems located inside the cryostat and for definition and management of the interfaces between auxiliary systems and tokamak systems.

Major Duties/Responsibilities:

- Support to the responsible of integration for configuration control models, general layout, port allocation drawings and configuration control list of models of the incryostat systems.
- Built envelope (or lightened) models of the ITER in-cryostat components and interface models (skeletons) to define the geometric interfaces among them.
- Support to the definition and management of interfaces between components and systems.
- Perform integration check on the 3D and 2D models of the ITER in-cryostat components produced by the Tokamak department, other departments and Parties.
- Provide all required data to the in cryostat integration lead engineer to prepare formal design reviews of the ITER plant before start of procurement and during the work progress to identify and resolve issues.
- Collect data from the ITER ROs and domestic agencies to ensure the completeness and consistency of the CAD models and engineering data-base
- Interact with the DO collaboration Coordinator for data management exchange.

Qualifications and Experience:

- More than 5 years experience in the design, construction, system engineering and integration of large scientific and/or nuclear projects.
- Knowledge of the engineering aspects of the design of the tokamak systems is an advantage.
- Previous experience in the integration, installation and assembly of large scientific and/or nuclear projects is an advantage
- Good capability to interact with the Integration responsible lead, responsible officers of the different disciplines as well as the Design Office.
- Good knowledge of the CATIA V5 system for drawings and models.
- Good capability to express himself in English.
- Previous experience with the use of ENOVIA (the CATIA models management system) or PDM (Product Data Management) software would be benefit

Work Direction and Interfaces:

Report to the responsible for the integration of all systems located inside the cryostat. Interface with all involved ROs of departments. Interact directly with appropriate levels in the Design Office 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 ITER in cryostat systems.
- Effective management of interface issues.
- Establish a good collaboration attitude with all involved people.