

<b>TITLE: Technical Officer for Integration of Ex-cryostat Systems</b>		<b>PRO-048</b>
<b>REPORTS TO LINE MANAGER: Section Leader Design Integration and Configuration Management Section; Project Office</b>		
<b>GRADE RANGE: G4-G5</b>		
<b>DATE WRITTEN: March 6, 2007</b>	<b>DATE REVISED:</b>	<b>DATE REVISED:</b>

**Purpose:**

Support to the Responsible for the Integration of all systems located outside the cryostat and for definition and management of the interfaces between systems and buildings.

**Major Duties/Responsibilities:**

- Definition and control of the space allocated to the ITER plant systems and control cubicles in the Tokamak Buildings Complex;
- Generation and management of the configuration control models of the systems in the Tokamak Complex in view of the establishment of the digital mock-up;
- Check and prepare for approval of CAD data produced by suppliers and Domestic Agencies;
- Monitoring of the interfaces between plant systems and civil structures;
- Integration of pipe supports, hangers and embedded plates into the Digital mock-up and into the civil engineering drawings;
- Create general arrangement drawings of each room in the buildings showing the current status of the plant systems in iso- & plan views of walls, ceiling and floors with description of dimensions, openings, coatings, supply;
- Create list containing environmental conditions for each room like temperature, humidity and pressure (to be defined with Safety group) depending on operational state in line with zoning drawings;
- Interact with the Design Office collaboration Coordinators for data management exchange.

**Qualifications and Experience:**

- More than 5 years experience in the design and construction of plant systems.
- Proven experience in the integration of plant systems (fluid systems, electric, HVAC, Cryogenic etc.) in buildings and management of interfaces.
- Knowledge of the engineering aspects of the design of the plant and civil constructions
- 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 section leader. Interface with all involved Responsible Officers 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 set of general arrangements drawings of the ITER building
- Effective management of interface issues.
- Establish a good collaboration attitude with all involved people.