

TITLE: CAD/PLM Development and Customization Coordinator		CEP-013
REPORTS TO LINE MANAGER: Design Configuration Control Section Leader, Design Office Division, Central Engineering and Plant Support Department		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P3-P4
DATE WRITTEN: October 2006	DATE REVISED: December 2006	DATE REVISED: JULY 2008

Purpose:

To be responsible for the development of the Design Office (DO) software (including databases) user interfaces, the supervision of the DO software administration and maintenance.

Major Duties/Responsibilities:

- Develops the user interfaces from the DO requirements, involving specifications, overall architecture, settings and customization such as attributes, programming of ITER specific functionalities, database replication, software interfaces, testing, and QA documentation;
- Supervises the administration, maintenance, setting up of the People and Organization functionality (right accesses) and the upgrading process of the DO software;
- Assesses new software versions and new software (testing, recommendations) from an IT point of view;
- Implements the technical interfaces with the software editors, regarding in particular: the fixing of bugs (PRM), enhancement requests aimed at improving the software (up-coming releases), assistance for the setting and customizing, and documentation;
- Develops interfaces between the DO software and other ITER software;
- Proposes, specifies and leads the improvements of the IT quality and efficiency of the ITER Design Office software and interfaces;
- Implements the compliance with the QA guidelines in this area;
- Supervises assistants and consultants;
- Negotiates and provides supervision of assistance contracts with external contributors;
- Follows the interfaces with the Domestic Agency Collaboration Coordinators;
- Deals with a range of CAD and database solutions in the area of design collaboration, mechanical and plant design as well as simulation, design life-cycle, modelling, drafting, Bill-of-Materials, libraries, identification, naming convention, design changes, document tracking, organization, roles and responsibilities, checking procedures, standards;
- Contributes to auxiliary DO-related activities;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

Qualifications and Experience:

- **Education**
 - University degree, at least Masters, in Engineering and/or Computer Science.
- **Experience**
 - A minimum of 7 years' experience in an engineering position and IT-related development, in a large multidisciplinary project performed in an international environment involving remote design collaboration;

- A minimum of 3 years' experience of effective development / customization work involving CATIA 5, ENOVIA LCA - VPM5 and ENOVIA LCA Replication;
- A minimum of 3 years' experience in project management;
- Demonstrated successful experience in the development of connections / interfaces between CATIA 5 and ENOVIA LCA - VPM5, and other software. Examples of other software: 3d.com Viewer, DELMIA, IGE-XAO & SPM database, engineering database Matrix-One, ERP;
- Demonstrated ability to produce high quality results which have stood the test of being successfully deployed in production;
- Skills: excellent ability to organize and monitor development activities, good communication skills and ability to work towards predefined goals with a high level of autonomy;
- Previous experience in the design of electromechanical or nuclear components, in particular in the fusion field, would be advantageous, as would experience with complex mechanical systems and engineering projects.
- **Language requirements:** High level of both written and spoken English.

Work Direction and Interfaces:

- Reports to the Design Configuration Control Section Leader of the ITER Design Office in the Department for Central Engineering and Plant Support;
- Interacts on a daily basis with the ITER IT Office, the ITER Project Office and DO Coordinators (CATIA, ENOVIA and DELMIA Administration, Design Office Collaboration, CAD and PLM Development, CAD Manual, Catalogues, People and Organization, Training and Coaching) aiming at the required level of quality and at an efficient development of the tools;
- Maintains frequent communication with the other ITER departments and interacts directly with appropriate levels in the Domestic Agencies for all matters concerning his/her responsibilities;

Authority/Approval Levels:

Has authority and approval levels generally defined by the Design Office Director for his/her scope of work.

Measures of Effectiveness:

- Successfully provides an efficient and high quality service to the ITER DO and involved users in the area of software and IT integration;
- Successfully contributes to the development of the staff: technical capabilities, CAD tools, team spirit;
- Successfully establishes a good collaborative relationship with all involved internal and external organizations.