



Diagnostic Technical Officer - Data Organisation and Integration

CHD-071

Reports to Line Manager:	Head of the Diagnostics Division, Department for CODAC & IT, Heating & CD, Diagnostics	Job Code:	CHD-071
Direct Employment:	Required	Grade:	G4

Purpose

To contribute the technical aspects of the ITER Diagnostic System implementation; to introduce, adapt and maintain tools and procedures for data organisation and integration within the division; and to support the Division Head in all matters relating to the implementation of ITER diagnostics.

Major Duties/Responsibilities

- china** • Contributes to the development, specification, procurement and installation of the ITER Diagnostic System parts, especially the development and maintenance of tools and procedures for data organization and integration;
- eu** • Collates and analyses the diagnostic needs for data modelling; and also creates the related content types in the ITER Engineering Database (IED);
- india** • Updates and manages the diagnostic models and records in IED so as to ensure data integrity, self-consistency and proper relations with external database content;
- japan** • Provides mechanisms for, and actively supports or performs, data migration to/from the IED to/from the users' and common data (users may be at ITER or within the ITER partner organizations);
- korea** • Develops the specifications for user interfaces needed to perform the data management in IED (input, editing, analysis and reporting) and that reflect the division's needs;
- ru** • Provides analyses and reports based on IED data in response to users' requests;
- usa** • Shows strong commitment to the ITER safety program and enforces it through individual behavior and in his/her organization;
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications and Experience

- **Education:**
 - Degree equivalent to 2-3 years of study after the High School Diploma
- **Technical experience:**
 - At least 8 years' experience with the use, adaptation and maintenance of tools for data organization is required.
- **Project experience:**
 - At least 5 years of experience working on a project of similar technical complexity to ITER.

- ***Social Skills:***
 - Ability to work effectively in a multi-cultural environment;
 - Ability to work in a team and to promote team work.
- ***Language requirements:***
 - Fluent in English (written and spoken).
- ***Computer and IT skills:***
 - Experience with collaborative tools such as Sharepoint and data analysis tools such as Access, and/or, data handling in a complex and dynamic assembly environment (aerospace, high energy or similar) would be an advantage.

Direct Supervisor and Interfaces

- Reports to the Division Head for Diagnostics.

Authority / Approval Levels

This position has authority and approval levels generally defined by the Division Head for this scope of work.

Measures of Effectiveness

- Successfully develops and maintains the tools for the organisation of diagnostic data;
- Ensures the diagnostic data is consistent, properly linked and up-to-date;
- Successfully supports the diagnostic needs of the project.