Software Developer/Administrator — CHD-076

Reports to Line Manager:	CODAC Section Leader, Department for CODAC & IT, Heating & CD, Diagnostics	**Job Code:**	CHD-076
Direct Employment:	Required	**Grade:**	G4

Purpose

To support the Control, Data Access and Communications (CODAC) Section's software engineering activities, and more specifically to support the miniCODAC toolbox prototype in all matters related to software development, integration, distribution and support.

Major Duties/Responsibilities

china

eu

india

japan

korea

russia

usa

- Develops software components as required for CODAC systems;
- Supervises the design and development of software components provided by 3rd parties, and takes responsibility for the acceptance and integration of such components;
- Organizes the maintenance of the operational components;
- Implements test systems and organizes support for a widely distributed user community;
- Helps to administrate CODAC specific computer installations within the system;
- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, values and ethics.

Qualifications and Experience

- *Education:*
  - Degree equivalent to 3 years of study after the High School Diploma in computer Science or equivalent.
- *Experience:*
  - At least 8 years of experience in the development and maintenance of complex software, preferably in a Linux environment;
  - Experience with software engineering methods and tools;
  - Strong knowledge of C/C++ languages and good knowledge of Java;
  - Experience in testing, debugging and certifying software;
  - Experience in user support;
  - Experience with system administration for Linux would be an asset;
  - Some experience in a large experimental facility would be beneficial;
  - Some knowledge of EPICS would be an asset;
  - Experience in software project management would be beneficial.
- *People Management experience:*
  - Capacity to work with contractors.

- **_Social Skills:_**
  - Ability to work effectively in an international environment should be demonstrated;
  - Ability to work in a team and to promote team work.
- **_Language requirements:_**
  - Fluent in English (written and spoken).

Direct Supervisor and Interfaces

- Reports to the CODAC Section Leader.

Authority / Approval Levels

This position has authority and approval levels generally defined by the CODAC & IT Division Head for his/her scope of work.

Measures of Effectiveness

- Successfully implements and supports CODAC systems and the Instrumentation and Control plant system development in the Parties;
- Successfully prepares the Factory Acceptance Tests requiring CODAC systems;
- Successfully integrates & organizes the long term maintenance of software components provided by 3rd parties;
- Successfully provides the required ITER specific components for the core part of the CODAC software.