

TITLE: INSTRUMENTATION AND CONTROL EXPERT CODAC & IT, H & CD AND DIAGNOSTICS / CODAC & IT		CHD-026
REPORTS TO LINE MANAGER: DIVISION HEAD FOR CODAC & IT		
DIRECT EMPLOYMENT: NOT REQUIRED	GRADE RANGE: P3-P4	
DATE WRITTEN: APRIL 2007	DATE REVISED:	DATE REVISED:

Purpose:

This post requires a broad view of CODAC, from the data originating in instrumentation and control, through the specific CODAC data systems and plant control systems. Interaction with the ITER team members responsible for the procurement packages will be comprehensive.

Major Duties/Responsibilities:

- Take a leading role in the development of the instrumentation interface between ITER Control, Data Access and Communications system (CODAC) and the plant systems. Generation of technical specifications for outsourcing the development of systems will be a major part of the responsibilities.
- Contribute to all these activities, in collaboration with the ITER Project team and the CODAC development group.
- Interface with the industries involved in the development of the relevant control systems for ITER.
- Assist with the preparation of the relevant procurement documents.
- Assist with the management of the scope, schedule and cost of procurement of the systems and supporting hardware through the specified procurement packages.
- Assist with the preparation and updating of the interface documentation.
- Assist with the preparations for the installation of the safety and control systems on ITER.
- Reports variances on all technical, cost and schedule aspects immediately to the Division Head.

- Supports effective risk identification and management.
- Maintain a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications Required:

- The successful candidate will have at least 10 years of practical experience in a research or industrial environment and university training in science or engineering.
- A clear understanding of the problems linked to the instrumentation and control of a unique and expensive experimental facility would be an advantage. An ability to work in an international environment should be demonstrated.
- Good working knowledge of spoken and written English is essential.

Work Direction and Interfaces:

Reports to the Division Head for CODAC & IT.

Authority/Approval Levels:

Has authority and approval levels defined by the Division head for his scope of work.

Measures of Effectiveness:

- Successfully develops the design of interfaces of components with the main CODAC system.
- Successfully develops conceptual, outline engineering designs for key components of ITER IT requirements.
- Successfully prepares technical specifications of allocated procurement packages.
- Successfully manages procurement of systems / components through procurement packages.
- Successfully prepares for the installation of the systems on ITER.
- Successfully supports the IT needs of the Project.