TITLE: **INTEGRATOR FOR CODAC AND PLANT SYSTEM CODAC & IT, H & CD AND DIAGNOSTICS / CODAC & IT**		**CHD-027**
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:

The candidate will take a leading role in the integration of the ITER COntrol, Data Access and Communications system (CODAC) with various plant systems. This interface will enable rapid integration and commissioning of this extremely complex system. The interface contains both networking and structured data components and understanding of modern data representation tools is essential. Testing of these specifications will be required. Interaction with Responsible Officers (RO) of various plant systems and Domestic Agencies (DA) will be substantial part of the responsibility.

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.

Major Duties/Responsibilities:

- Share responsibility for the integration of CODAC with other ITER plant systems. Generation of technical specifications for outsourcing the development of systems will be a major part of the responsibilities.

- Assist with the preparation of the relevant procurement packages.

- Assist with the management of the scope, schedule and cost of procurement of the associated systems and supporting hardware through the specified procurement packages.

- Assist with the preparation and updating of the relevant documentation.

- Assist with the preparations for the installation of the developed systems on ITER.

- Report variances on all technical, cost and schedule aspects immediately to the division head.

- Support 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, preferably in a research or industrial environment, and university training in instrumentation engineering.

- A broad view instrumentation and control systems is required.

- Experience in a high performance environment would be an advantage, as would an understanding of the research environment.

- Good working knowledge of spoken and written English is essential. An ability to work in an international environment should be demonstrated.

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 CODAC & IT needs of the Project.