

TITLE: Specialist H & CD System		CHD-032
REPORTS TO LINE MANAGER: Division Head for Heating & Current Drive CODAC&IT, H&CD and Diagnostics / CODAC & IT		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P3-P4
DATE WRITTEN: December 2007	DATE REVISED:	DATE REVISED:

Purpose:

- The H&CD systems are complex systems composed of Procurement Packages (PP) distributed between several Domestic Agencies (DAs) and companies. The interfaces between the packages within systems need to be defined. The candidate is required to define the internal interfaces of the H&CD systems in terms of functionality and operability, to supervise the definition and specification of the interfaces with control and operability, to supervise these aspects in the definition and construction of Procurement Arrangements (PA) and to interact with the relevant DAs in the coordination of these aspects.

Major Duties/Responsibilities:

- Takes a leading role in defining interfaces between the procurement packages in the H & CD systems;
- Is expected to contribute to all work related to the definition of the internal interfaces in terms of functionality and operation;
- Liaises with the DAs in the technical interfacing of various H & CD systems and with the industries involved in the development of components;
- Assists in the preparation of the relevant procurement packages;
- Assists in the management of the scope, schedule and cost of procurement of the systems and supporting hardware through the specified procurement packages;
- Assists in the preparation of the interface documentation and its update;
- Reports variances on all technical, cost and schedule aspects immediately to the Division Head;
- Supports effective risk identification and management;
- Shows strong commitment to the ITER safety program and enforces it through individual behaviour and work organisation;
- Demonstrates a strong commitment to the implementation and communication of ITER goals and ethics.

Qualifications Required:

- A University degree (or equivalent) in Engineering or Physics with at least 10 years experience in a similar job profile for large H & CD systems. Experience in systems in magnetically confined plasmas would be an advantage;
- A clear understanding of the problems linked to internal and external interfaces between systems would be an advantage;
- The ability to work in an international environment;
- Good working knowledge of spoken and written English is essential.

Work Management structure and Interfaces:

- Reports to the Division Head for Heating and Current Drive.

Authority/Approval Levels:

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

Measures of Effectiveness:

- Successfully develops the design of interfaces of components / subsystems within the main H & CD systems;
- Successfully develops conceptual, outline engineering designs of interfaces wherever applicable for key components of the ITER H & CD requirements;
- Successfully prepares technical specifications of allocated procurement packages;
- Successfully manages interfaces during the procurement of systems / components through procurement packages;
- Successfully prepares for the interfaces required during the installation of the systems in ITER;
- Successfully supports the H & CD needs of the project.