

<b>TITLE: RF Engineer</b>		<b>CHD-034</b>
<b>REPORTS TO LINE MANAGER:</b> Division Head for Heating and Current Drive CODAC&IT, H&CD and Diagnostics / CODAC & IT		
<b>DIRECT EMPLOYMENT:</b> NOT REQUIRED		<b>GRADE RANGE:</b> P3-P4
<b>DATE WRITTEN:</b> December 2007	<b>DATE REVISED:</b>	<b>DATE REVISED:</b>

**Purpose:**

- NB (sources), IC and EC systems consist of large number of components which are based on RF frequency at MW power level. While most of the Procurement Arrangements (PA) are either Build To Print (BTP) or as functional (F), the interfaces must be specified by the ITER Organization along with all technical definitions of RF systems. A specialised engineer, expert in RF systems, is urgently required to coordinate the BTP and F specifications of the PA, the design activities in the Domestic Agencies (DAs) and the follow up of the construction, tests and technical coordination.

**Major Duties/Responsibilities:**

- Takes a leading role in establishing technical requirements for RF systems to be detailed in PA;
- Is expected to contribute to all technical control activities of RF components / systems;
- Interfaces with other relevant ITER groups and industries involved in the development of RF systems for ITER;
- Assists in the preparation of the relevant procurement packages;
- Assists in the management of the technical scope, schedule and cost of procurement of the systems and supporting hardware through the specified procurement packages;
- Assists in the technical control of various components during procurement, supports the preparation of the interface documentation and its update;
- Assists technical control in the preparations for the installation of the RF systems in ITER;
- 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 in work organisation;
- Maintains a strong commitment to the implementation and communication of ITER goals and ethics.

**Qualifications Required:**

- A university (or equivalent) degree in science or engineering;
- At least 10 years practical experience in a research or industrial environment in RF systems with a similar scope of work;
- A clear understanding of the problems linked to technical control of RF systems in large experimental devices at High Power levels 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 methodology for technical control of RF systems;
- Successfully contributes to technical controls of RF specifications of allocated procurement packages;
- Successfully manages procurement of systems / components through procurement packages;
- Successfully handles technical controls for the installation of the RF systems in ITER;
- Successfully supports the RF needs of the project.