TITLE: **Head of CODAC & IT Division** **CODAC&IT, H&CD and Diagnostics / CODAC & IT**	CHD 002
REPORTS TO LINE MANAGER: DDG for CODAC&IT, H&CD, and Diagnostics	

DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: **D1**
DATE WRITTEN:	DATE REVISED:	DATE REVISED:

Purpose:

The candidate will be expected to lead a division responsible for the Control, Data Access and Communication system for ITER and IT requirements of the organization. He / She will be responsible for taking the present conceptual outline of the ITER COntrol, Data Access and Communications system (CODAC) and develop it into an engineering design appropriate for handling the integration of 90-120 Plant Systems procured "in-kind" around the world. He/ she will interact with the ITER project team to understand their requirements and will be responsible for outsourcing the major part of the work required. He /she will facilitate the CODAC group to develop its own systems for handling the data from Plant Systems, controlling them and providing access to these data to the research community. CODAC interfaces to feedback control of the fusion plasma, to protection of investment systems and to safety systems.

The candidate will also supervise and lead the project computation and computing technology effort of the project. Safety and interlock system will also be candidate's responsibility. Plasma control and feedback activity for ITER will also be supervised, planned and controlled by the candidate.

Major Duties/Responsibilities:
- revision of the ITER CODAC Design Documentation,
- collaboration with interested Participating Teams to produce a consensual design. The targets are a first review of ITER CODAC by fusion experts and a second review by non-fusion experts.
- Structure various activities of the division
- Organize and plan maintenance and development of:
  Office computers, server, network and software infrastructure,
  information technology infrastructure for video and audio conferencing,
- Document and Content Management.
- Manage the group of information technology support staff.
- Supports effective risk identification and management.
- Identify and initiate actions on interfaces with other ITER departments / Divisions / sections.

Qualifications Required:

- The successful candidate will have at least 15 years of practical experience in a research environment and a Ph. D. degree in science or engineering. He / she should have led an experimental control group, planning and management of the group activities. Should have Experience of integrating and commissioning physics projects of this type.

- 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 DDG.

Authority/Approval Levels:

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

Measures of Effectiveness:

- Successfully develops the design of CODAC and IT systems.
- Successfully develops the design of interfaces of CODAC & IT systems with the other ITER Groups.
- Successfully prepares technical specifications of different procurement packages to complete the IT requirements of ITER and CODAC.
- Successfully manages the procurement of the various components and equipments.
- Successfully develops cost effective installation and testing plans.
- Successfully maintains effective communications will all parties delivering subsystems for the CODAC & IT systems.
- Successfully supports the IT need of the project.