

TITLE: Diagnostic Physicist		CHD-055
REPORTS TO LINE MANAGER: Head of Diagnostics Division Department for CODAC&IT, H&CD and Diagnostics		
DIRECT EMPLOYMENT: NOT REQUIRED		GRADE RANGE: P3 – P4
Date Written: June 2008	Date Revised:	Date Revised:

Purpose:

To support the Division Head for Diagnostics in all matters relating to the implementation of ITER diagnostics. To develop the designs of diagnostic systems by personal contribution and by specifying, monitoring and coordinating work in the laboratories and institutes of the ITER Partners, including any relevant supporting R&D, with emphasis on in-vessel systems, for example, bolometry and thermography. To manage scope, schedule and cost of procurement of some of the diagnostic systems and supporting hardware through specified procurement packages.

Major Duties/Responsibilities:

- Supports the Division Head in all matters related to the Diagnostic system for ITER construction;
- Participates in the development of the requirements for plasma and first wall measurements and the selection of diagnostics to meet them;
- Develops the designs of diagnostic systems by personal contribution and by specifying, monitoring and coordinating work in the laboratories and institutes of the ITER Partners, including any relevant supporting R&D, with emphasis on in-vessel systems, for example, bolometry and thermography;
- Assists with the preparation of the relevant procurement packages;
- Assists with the management of the scope, schedule and cost of procurement of the associated diagnostic systems and supporting hardware through the specified procurement packages;
- Assists with the preparation of the interface documentation and keeping it up to date;
- Assists with the preparations for the installation of the diagnostic systems on ITER;
- Reports variances on all technical, cost and schedule aspects immediately to the Division Head;
- Supports effective risk identification and management;
- Maintains a strong commitment to the implementation and perpetuation of the ITER safety program, values and ethics.

Qualifications and experience

- **Education:** PhD in a relevant area
- **Experience:**
 - Outstanding expertise in design and integration of diagnostic systems in a large fusion research facility with excellent technical and managerial leadership;

- Experience in project management and in effective Quality Assurance (QA) management and implementation would be an advantage.
- **Language requirements:** Good working knowledge of spoken and written English is essential.

Work Direction and Interfaces:

Reports to the Division Head for Diagnostics.

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 diagnostic systems;
- Successfully prepares the relevant procurement packages;
- Successfully manages the procurement of the diagnostics;
- Successfully develops cost effective installation and testing plans;
- Successfully maintains effective communications with all parties delivering subsystems for the diagnostic systems;
- Successfully supports the diagnostic needs of the project.