

TITLE: Technical Officer for Reliability, Availability, Maintainability and Inspectability (RAMI)		PRO-060
REPORTS TO LINE MANAGER: Senior Officer for RAMI, Project Office		
DIRECT EMPLOYMENT: REQUIRED		GRADE RANGE: G3-G4
Date Written: July 2008	Date Revised:	Date Revised:

Purpose:

To support the Senior Officer for RAMI in all activities for the ITER machine operation associated with:

- Technical risk control;
- Analyses of the subsystems in terms of Reliability, Availability, Maintainability and Inspectability (RAMI) on the basis of a functional approach and a Failure Mode Effects and Criticality Analysis (FMECA);
- Management of the RAMI Data Base.

Major Duties/Responsibilities:

- Supports the Senior Officer for RAMI in all matters relating to the ITER RAMI Analysis;
- Administrates the RAMI Database in all functionalities, such as data management, action tracking, graph production, update of the ITER System data, etc;
- Develops tools and procedures for tracking the compensating provisions during the design and development, the testing and commissioning, the operation and maintenance phases;
- Prepares status/progress reports on the RAMI engineering at regular intervals for ITER RAMI activities, RAMI progress meetings, etc;
- Contributes to the integration of RAMI requirements and compensating provisions into Project Documents;
- Assists in the control of RAMI characteristics of subsystems (components) in relation to the procurement acceptance, and during the testing and commissioning phase;
- Supports the preparation and implementation of testing and maintenance plans;
- Contributes to the ITER safety program and technical risk control and enforces them through individual behaviour and through his/her organization.
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics;

Qualifications and experience:

- **Education:**
 - A first degree in a relevant technical subject is desirable;

- **Experience:**
 - At least 5 years of professional experience, having reached a high level of expertise working in the RAMI area in the framework of a research facility or industrial company;
 - Technical experience in the operation of technical complex sub-systems and/or in security and nuclear safety areas;
- Ability to work in a multidisciplinary and multicultural environment;
- Knowledge of thermonuclear magnetic fusion and ITER would be an advantage.
- **Language requirements:**
 - Fluent English, both written and spoken. Knowledge of the host language (French) and/or some of the participating member languages would be an advantage.

Work Direction and Interfaces:

- Reports to the Senior Officer for RAMI within the Project Office.
- Interfaces with all other ITER departments and divisions;
- Maintains communications with other organizations that collaborate with ITER and directly interfaces with Domestic Agency staff on RAMI issues.

Authority/Approval Levels:

This position has authority and approval levels generally defined by the Head of Project Office for his/her scope of work.

Measures of Effectiveness:

- Successfully executes the ITER RAMI analysis and database management as laid down in his/her duties and responsibilities;
- Successfully contributes to the integration of the RAMI program and to the establishment of testing and maintenance plans.