

<b>TITLE:</b> Senior Officer for Reliability, Availability, Maintainability and Inspectability (RAMI)		PRO-063
<b>REPORTS TO LINE MANAGER:</b> Head of Project Office		
<b>DIRECT EMPLOYMENT:</b> NOT REQUIRED		<b>GRADE RANGE:</b> P3-P4
<b>Date Written:</b> July 2008	<b>Date Revised:</b>	<b>Date Revised:</b>

**Purpose:**

To support the Head of the Project Office in all activities for operations of the ITER machine and to be responsible for the following areas:

- Technical risk analysis and control in terms of Reliability, Availability, Maintainability and Inspectability (RAMI);
- Acceptance testing and integrated commissioning plans;
- Reliability Centred Maintenance plan (spares, scheduled shutdown planning) for the operation phase.

**Major Duties/Responsibilities:**

- Supports the Head of the Project Office in all matters relating to the ITER RAMI approach;
- Manages the ITER RAMI Analysis Program on the basis of a functional analysis with an evaluation of causes, effects and criticality of associated functional failure modes;
- Develops, in cooperation with System Responsible Officers of the ITER Organization, a database of all the main functions and associated Failure Modes, and administrates the ITER RAMI software;
- Organizes RAMI Progress meetings and produces status/progress reports at regular intervals on the RAMI engineering;
- Includes RAMI standards and Reliability targets in System Requirement Documents;
- Defines a control of RAMI characteristics of subsystems (components) during their fabrication and for the machine installation acceptance;
- Prepares a working plan (test procedures, planning, on-site test facilities availability etc) for testing and commissioning activities for all ITER (sub)systems as an action for mitigating the technical risk;
- Contributes to the establishment of a maintenance plan (timing, spares) centred on machine Reliability during the Operation phase as a result of the RAMI analysis,
- 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:**
  - University degree, preferably in a technical subject;
- **Experience:**
  - At least 10 years' professional experience, having reached a high level of expertise in the RAMI analysis area, test preparation and maintenance plan in the framework of a big nuclear facility or a large scientific project;
  - Successful and proven performance in working on a RAMI approach program;
  - 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 Head of the Project Office.
- Interfaces with all other Departments and Divisions as well as the Domestic Agency staff on RAMI-related matters;
- Is required to supervise support staff and contracts.

**Authority/Approval Levels:**

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

**Measures of Effectiveness:**

- Successfully executes the ITER scope, cost and schedule for the ITER project as laid down in his/her duties and responsibilities;
- Successfully contributes to a team effort and the leadership provided by the Project Office.