

TITLE: Chief Technical Officer, Test Blanket Module Programme		FST 014
REPORTS TO LINE MANAGER: ADDG/ DDG for Fusion Science and Technology		
DIRECT EMPLOYMENT: NOT REQUIRED	GRADE RANGE: P5	
DATE WRITTEN: 13 MARCH 2006	DATE REVISED: 30 JULY 2007	DATE REVISED:

Purpose:

Supports the Ass.DDG/ DDG for Fusion Science and Technology through co-ordination of the programme of construction and testing of the Test Blanket Modules (TBMs). This involves close interaction with the ITER Parties responsible for the development and construction of the TBMs and their port plugs.

Major Duties/Responsibilities:

- Leading role in co-ordination across the ITER Parties of the programmes for the development and construction of the Test Blanket Modules and their port plugs.
- Leading contributions to the definition and detailed specification of ITER plant requirements for incorporation of the TBMs into the tokamak and associated facilities.
- Co-ordination of the ITER Organization preparations of the additional facilities and sub-systems required for hosting of the TBMs at ITER, including commissioning tests at ITER, exposure to ITER plasmas, and subsequent on-site handling and testing.
- Leading role in the definition of the experimental programme for commissioning and testing of the TBMs during ITER operation, in close co-operation with the ITER Parties.
- Major contributions to the planning for ITER plasma commissioning and operation by specification of the programmatic requirements for TBM commissioning and testing.
- Interaction with and co-ordination of experts in the ITER Parties in the definition, implementation and monitoring of activities in this area.
- Major contributions to the preparation of documentation defining the integration of the TBM programme into the ITER construction and research plans, specifying ancillary systems required at ITER for execution of the TBM programme, and to licensing aspects of the TBM programme.
- Provision of support to the management of the FS&T Department in liaising with ITER construction activities.
- Supervision of ITER staff and visiting researchers contributing to activities encompassed by the TBM programme.
- Shows strong commitment to the ITER safety programme and enforces it through individual behaviour and in his organisation.
- Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics.

Qualifications Required:

- PhD in a relevant area, or demonstrated research experience to an acceptable level.
- Outstanding expertise in technological aspects of fusion research, in particular in relation to the nuclear aspects of fusion technology.
- At least 15 years experience in fusion research, with significant project management experience and proven technical leadership abilities.
- Extensive experience in managing international collaborations and demonstrated ability to represent an international organization such as ITER.
- Excellent written and verbal communication skills.

Work Direction and Interfaces:

- Reports to the Ass.DDG/DDG for Fusion Science and Technology.
- Supervises a small group of technical experts contributing to the TBM programme.
- Interacts with project divisions responsible for the ITER construction activities as required.
- Liaises with experts in the international fusion community in all aspects of the Parties' TBM programmes.

Authority/Approval Levels:

Has authority and approval levels defined by the Ass.DDG/DDG for Fusion Science and Technology.

Measures of Effectiveness:

- Successfully establishes a co-ordinated programme of activities on the development and construction of the TBMs and their associated port plugs within the ITER framework.
- Successfully defines and co-ordinates all relevant activities within the ITER Organization in preparation for the hosting and testing of the Parties' TBMs, in particular construction activities for sub-systems supporting the TBM hosting and testing.
- Successfully develops a team activity in this areas of ITER technology and maintains effective support for ITER construction activities in related areas.
- Successfully co-ordinates the definition of the research programme associated with the testing of the TBMs in ITER.