



Conclusion

TAC considers that the proposed design is based on a firm physics and engineering basis, satisfying the ITER objectives and cost limitations. The proposed design gives confidence in the ITER-FEAT physics and engineering performance and in the attainment of the envisaged technological goals of the project. ITER-FEAT is now ready for a decision on construction.

Recommendations by TAC

- a. TAC recommends that to take ITER forward under the new arrangements there is a need for strong leadership and a focus for co-ordinated physics design and coherent technology activities. TAC believes that this is essential to ensure that ITER-FEAT fully benefits from the international physics and technology programmes, thereby enhancing its performance, flexibility and reliability.
- b. A technical review body should be established which comprises the present range of disciplines as represented, for example, in TAC. This would bring together the physics expert groups, the physics committee (under the International Tokamak Physics Activity), and the technology (and materials) R&D programmes of the Parties, together with the possibility of the participation of third parties.



Participants in TAC-17 Meeting

ITER MANAGEMENT ADVISORY COMMITTEE MEETING

by Dr. M. Yoshikawa, MAC Chairman

The ITER Management Advisory Committee (MAC) Meeting was held on 23 February in Garching, Germany.

The main topics were: the consideration of the report by the Director on the ITER EDA Status, the review of the Work Programme, the review of the Joint Fund, the review of a schedule of ITER meetings, and the arrangements for termination and wind-up of the EDA.

ITER EDA Status. MAC noted the Status Report presented by the Director for the period between the ITER Meeting in Moscow (June 2000) and February 2001.

MAC appreciated the efforts of the Director, Joint Central Team, Home Teams and industrial participants to enable the draft Technical Basis for the ITER Final Design Report to be completed on time.

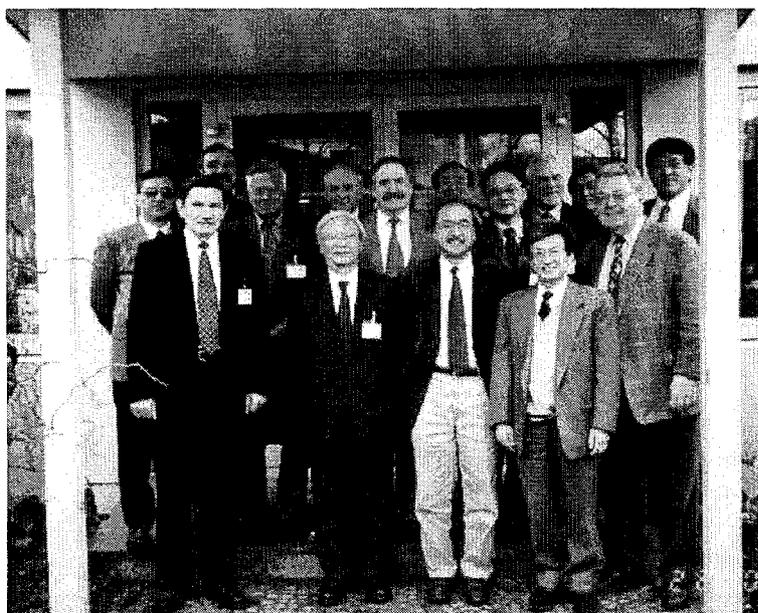
Task Status Summary and Work Programme. MAC took note of the Task Agreements Status Summary and of the compiled list of Task Agreements per Party.

MAC took note of four new R&D Task Agreements for which credit is not more than 500 IUA per task. MAC took note of six new Design Task Agreements including VHTP for which credit is not more than 500 IUA or 2.5PPY per task.

MAC reviewed and supported the modifications of Task Agreements since MAC Moscow in June 2000 that involve credit changes of more than 500 IUA or 2.5 PPY, or more than 20%. MAC took note of the modifications of Task Agreements since MAC Moscow in June 2000 that include credit changes of not more than 500 IUA or 2.5 PPY, or not more than 20%. MAC took note of the cancellation of some Task Agreements.

Joint Fund. MAC noted that the indicative balance of 2000 budget appropriations left at the end of 2000 appears adequate to cover likely needs for expenditure till the end of EDA on the assumption that all Parties pay their outstanding Joint Fund contributions.

Having noted the Director's statement on the indicative amounts of unspent 2000 budget appropriations, MAC recommends to the Council to approve the following proposed budget transfers in order to meet the expected patterns of expenditure in the first half of 2001:



Participants in the Meeting

- 1) in the budget allocation of the EU Agent, \$ 60,000 from Other Expenses to Travel and Subsistence;
- 2) in the budget allocation of the RF Agent, \$ 10,000 from Other Expenses to Travel and Subsistence.

MAC noted the status of the US Agent for the Joint Fund. MAC recommended to the ITER Council to make adequate procedures to discharge the US Agent from Joint Fund responsibilities and to request the Director to inform ITER Council Members when the discharge of the US Agent is completed.

Schedule of ITER Meetings. MAC reviewed and supported the schedule of ITER Meetings shown in Tables 1 and 2. MAC noted that the seven ITER Physics Expert Groups are in full operation and the arrangements for continued interaction with US fusion scientists on generic issues of tokamak physics are proceeding smoothly.

Table 1 Physics Expert Group Workshops including pre-meetings

Date (incl. Pre-Meeting)	Title	Location
19 - 23 March 2001	Diagnostics	Juelich
2 - 6 April 2001	Confinement Database and Modelling	Lausanne
23 - 27 April 2001	Energetic Particles, Heating and SS	Garching
23 - 27 April 2001	Transport and ITB Physics	Garching
23 - 27 April 2001	Edge Pedestal Physics	Garching
25 - 26 June 2001(after EPS)	MHD, Disruption and Plasma Control	In Europe (TBD)
9 - 11 July, 2001	SOL and Divertor Physics	Naka



Table 2. Workshop and a technical meeting

Date	Title	Location
12 - 16 March 2001	Workshop on Materials for In-vessel Components	Garching
7 - 11 May 2001	Technical Meeting on Safety and Environment	Garching

Arrangements for termination and wind-up of the EDA

Completion of Task Agreements. MAC recommended that Parties should undertake to complete EDA Task Agreements and to share the results in accordance with normal EDA practice. For specific Tasks that might not be completed before the end-date of the EDA, each Party concerned should designate a person responsible for pursuing its Tasks to completion following normal EDA practice. MAC recommended to the ITER Council to endorse this approach as a proposal to the Parties for appropriate action under Section 5 of Protocol 2 to the EDA Agreement.

R&D hardware and facilities. MAC took note of the mode of disposition and associated cost sharing for R&D hardware and facilities.

Initial discussions on ways to handle data produced on facilities constructed during the ITER EDA and that would be operated beyond the end of the EDA. MAC recommended to the ITER Council to support the proposal on ways to handle data produced on facilities constructed during the ITER EDA and that would be operated beyond the end of the EDA and, accordingly, recommended to the ITER Council to ask each of the Parties, by the next MAC meeting, to designate a person who is to be responsible for the supervision of both disposition and utilization of the R&D hardware and facilities.

Joint Fund Assets. MAC recommended to the ITER Council to approve valuation procedures for ITER Joint Fund property at the end of the EDA.

MAC also recommended to the ITER Council:

- 1) to endorse the proposals towards disposition of the ITER Joint Fund, including the establishment, according to Section 5 of Protocol 2 to the EDA Agreement, of an ad hoc body for the exercise of continuing joint responsibilities for the winding-up of the EDA which cannot be completed within the duration of the EDA;
- 2) to request the Parties, assisted by the Director and acting through the MAC-CPs, to make necessary preparations to implement the above proposals, including preparation of specific actions/documents to be approved/adopted, following MAC review, at the final meeting of the ITER Council.

TEST BLANKET WORKING GROUP'S RECENT ACTIVITIES

by Dr. J.E. Vetter, TBWG Chair

The ITER Test Blanket Working Group (TBWG) has continued its activities during the period of extension of the EDA with a revised charter on the co-ordination of the development work performed by the Parties and by the JCT leading to a co-ordinated test programme on ITER for a DEMO-relevant tritium breeding blanket. This follows earlier work carried out until July 1998, which formed part of the ITER Final Design Report (FDR), completed in 1998.

Whilst the machine parameters for ITER-FEAT have been significantly revised compared to the FDR, testing of breeding blanket modules remains a main objective of the test programme and the development of a reactor-relevant breeding blanket to ensure tritium fuel self-sufficiency is recognized as a key issue for fusion. Design work and R&D on breeding blanket concepts, including co-operation with the other Contracting Parties of the ITER-EDA for testing these concepts in ITER, are included in the work plans of the Parties.

During the second half of 2000 there was one meeting of the TBWG (18-19 October 2000 at Garching) which was preceded by a two day working meeting of Experts, in which interface issues between the blanket test modules and the ITER machine were addressed, covering remote handling, port interface, ITER services, integration in the pit, tritium plant and tokamak cooling water systems (TCWS) vault.