



REPORT OF THE ADVISORY COUNCIL

CONTENTS

I	MEMBERSHIP AND MEETINGS	35
II	ACTIVITIES AND RECOMMENDATIONS OF ADVISORY COUNCIL	35

I MEMBERSHIP AND MEETINGS

The membership of the 18th ITTC Advisory Council consisted of 31 organizations. At the 18th ITTC Advisory Council meeting in Kobe two more members were selected: Shanghai Jiao Tong University and CETENA. So, the membership of the 19th ITTC Advisory Council consisted of 33 organizations. These organizations are indicated in the list of member organizations included in the Proceedings.

At the last meeting in Kobe the Advisory Council elected Mr. D.C. Murdey as Chairman, Dr. K. Tamura as Vice-Chairman and Dr. J.H.J. van der Meulen as Secretary of the 19th ITTC Advisory Council.

The Advisory Council has met three times since the 18th ITTC Conference.

The first meeting was held in Hamburg on 27 September 1988, the second meeting in Trondheim on 30 and 31 August 1989 and the third meeting in Madrid on 20 and 21 March 1990.

II ACTIVITIES AND RECOMMENDATIONS OF ADVISORY COUNCIL

Prior to the meeting in Hamburg, three ad hoc working groups were formed to study and report on issues of concern to the ITTC. The working groups addressed the response of the ITTC to the needs of its members, the organization of technical sessions and committee reports, and group discussions.

The first subject discussed at the meeting in Hamburg was the report of the ad hoc Working Group on the response of the ITTC to the needs of its members. Agreement was reached on the following recommendations:

- (1) The Advisory Council should take a more positive role in directing the technical aims of the Conference.
- (2) The Advisory Council recognizes that "predicting the performance of actual vessels" includes full scale, numerical and simulation activities in addition to model tests.
- (3) The Advisory Council wishes the ITTC to increase concentration on practical applications, including the extraction and dissemination of procedures and standards.
- (4) The Advisory Council wishes the Executive Committee to provide a mechanism for limited interest groups to be set up under the auspices of ITTC.
- (5) The Advisory Council should involve Technical Committee chairmen in the next AC meeting to provide input to items 1, 2 and 3 above.

The second subject discussed was the report of the ad hoc Working Group on the organization of technical sessions and scope of committee reports. Agreement was reached on the following recommendations:

- (1) The Advisory Council recommends the Executive Committee that Technical Committees should be directed to maximize the proportion of their report devoted to practical applications and the state of the art should emphasize work since the last conference.
- (2) The Advisory Council recommends the Executive Committee to leave the organization of the Conference as it was in Kobe, i.e. no concurrent sessions, except for the Special Topic sessions, and allow discus-

sion on only the Committee Report, its conclusions and recommendations.

- (3) The Advisory Council recommends the Executive Committee to provide the opportunity for the presentation of brief relevant technical papers, including consideration of the use of poster sessions.
- (4) The Advisory Council would ask the Executive Committee to encourage the participation of expert observers in the discussion of the reports of Technical Committees.

The third subject discussed was the report of the ad hoc Working Group on group discussions. The following list of subjects suitable for group discussions was accepted and submitted to the Executive Committee for further consideration:

1. New facilities and new testing and analysis methods.
2. Full scale measurements.
3. Manoeuvring simulation.
4. Advances in noise measurement techniques/Impact of CFD (Computational Fluid Dynamics) in tankery.

The first day of the meeting in Trondheim was attended by Technical Committee Chairmen (or their representatives). First, proposals from Advisory Council members on priority topics for future work of the Technical Committees were summarized and discussed. Next, each Technical Committee Chairman (or his representative) presented a survey of present and proposed future work. The ad hoc Working Group on the response of the ITTC to the needs of its members was reconstituted to define proposals. On the second day

of the meeting in Trondheim the ad hoc Working Group reported on their work. A number of proposals had been formulated for further discussion in the Advisory Council. The following proposals were accepted:

1. Committee Structure

In selecting technical committee members the following qualifications should be applied:

- availability with regard to work and attending committee meetings
- extensive experience in subject area
- involvement in work for clients.

2. Formulation of Committees and Panels

Require each technical committee to provide draft recommendations for future work of the committee or panel sufficiently prior to next AC meeting so AC members will have sufficient time to consider them. Draft recommendations for future work of the technical committee should be limited to five and listed in priority order.

With this information the AC can make a determination of the formulation of the technical committees and panels and eliminate overlap between committees and panels or insert new topics.

3. Standard Format for Data Exchange

Require the "Symbols and Terminology Group" to formulate a formal statement with regard to "standard format hull form databases" for action by the ITTC. This formal statement, with supporting rationale, should be made available to the AC prior to its next meeting so the AC can make a recommendation to the ITTC.

4. Quality Control

Form a Group (like Symbols and Terminology Group) which considers standardization of validation procedures and implications on quality control and contractual issues. The group would be composed of technical experts and Technical Directors with a total of approximately five members.

5. Validation and Uncertainty Analysis

Require each technical committee at future ITTC's to take care of "validation" and "uncertainty analysis" issues in their own area of expertise. The technical committees should follow the "standards" laid down by the "Panel on Validation" of the "Quality Control Group". The "validation" or "uncertainty analysis" should be applied to both experimental techniques and computational methods.

6. New Techniques and Technologies

The AC should form a senior group on new technologies and techniques which should be considered by the ITTC. The group would identify new areas or items the ITTC should consider and recommend assignment to technical committees for future studies or formulation of new technical committees or panels.

7. Design Related Topics

A questionnaire should be sent to all AC members concerning design techniques and CAD/CAM issues. Should the technical committees and panels be reviewing and assessing these subjects in general?

Proposals 1 to 5 were submitted to the Executive Committee for further action;

proposals 6 and 7 were to be dealt with by the Advisory Council.

At the meeting in Trondheim the election of Chairman, Vice-Chairman and Secretary for the 20th ITTC Advisory Council had to take place, in accordance with the ITTC Rules of Organization. The result of the election was as follows: Dr. M.W.C. Oosterveld as Chairman, Mr. A.H. Nielsen as Vice-Chairman and Dr. J.H.J. van der Meulen as Secretary.

Prior to the meeting in Madrid a questionnaire was sent out to all Advisory Council members on design activities being carried out and on the efforts technical committees should devote to design. At the meeting in Madrid the replies to the questionnaire were summarized. About 80 per cent of the Advisory Council member organizations were involved in hull form, rudder, appendage and propeller design, whereas many other design activities were carried out as well. The question whether technical committees should give attention to design topics was answered affirmatively by almost 80 per cent of the Advisory Council members. The opinion of the Advisory Council members on the present proportion of efforts of technical committees devoted to design, as opposed to prediction activities, was qualified as: 60 per cent "about right" and 40 per cent "too little".

The next item discussed at the meeting in Madrid was the survey of draft recommendations for future work of technical committees, panels and groups. These draft recommendations had been submitted to the Advisory Council by

the 9 Technical Committees, the Validation Panel and the Symbols and Terminology Group. The draft recommendations were discussed at length during the first day of the meeting in Madrid. In the end an ad hoc Working Group was formed with the task to summarize the agreed comments by the Advisory Council members. On the second day of the meeting in Madrid the ad hoc Working Group presented a summary of comments on the draft recommendations. The Advisory Council consented to this summary of comments and accepted the following proposal:

- (1) The Advisory Council recommends the Executive Committee to send to all Technical Committee Chairmen:
 - the summary of comments on the draft recommendations
 - a copy of recommendations 2.1, 2.2, and 2.3 of the Validation Panel (concerning the manner in which technical committees should continue with validation work)
 - the summary of replies to the questionnaire on design in the ITTCwith a request that they respond to this.

With regard to the proposal of the Symbols and Terminology Group on the development of ITTC standard formats for the exchange of data (dated 13 March 1990), the Advisory Council accepted the following proposal:

- (2) The Advisory Council supports the objectives of the proposal of the Symbols and Terminology Group and passes on to the Executive Committee the way in which it should be organized.



The last item discussed at the meeting in Madrid was the question to what extent Advisory Council member organizations would be capable and willing to contribute in the work involved in the technical committee recommendations. It was decided to send out a questionnaire on this subject. In this way useful information will be gathered on how the work can be done in the best possible way.