

Requirements for Membership of the Advisory Council

Contribution by David Murdey to the discussion of the
report of the Executive Committee



Concerns over the future of the ITTC 1963 to 1972

Certain of the major towing tanks were concerned that:

- a) The few large tanks will be heavily outnumbered by the many small tanks and organizations, such as universities and research institutions which do not share the same responsibilities to customers;
- b) The conference will adopt procedures which will be harmful in the relations between professional towing tanks and their customers;
- c) The discussion at the ITTC will no longer be directed toward the problems tankery;
- d) The ITTC will become too big



The Role of the Advisory Council

The Advisory Council was formed as the solution to these problems

The Advisory Council

recommends subjects to be considered,
reviews recommendations of the technical committees
and **advises the Executive Committee** accordingly.

Although described in more detail in 2008, the role of the Advisory Council has not changed since 1972



Conditions for Membership of the Advisory Council in 1972

The organizations represented on the Advisory Council shall be selected from the tanks which satisfy all the following conditions:

- (a) Capability for performing a variety of investigations, such as resistance and propulsion, manoeuvrability, seakeeping, simulation, propeller characterization and cavitation;
- (b) A substantial portion of their work supported by commercial and/or government or intergovernmental sponsors;
- (c) A long history of work in support of the aims of the ITTC



Significant Changes to the Conditions for Membership

The paragraphs have been reordered to put work for clients first, work in support of ITTC second and capability of performing a variety of investigations last.

Ability to demonstrate a prior and ongoing responsibility for the prediction of performance of actual vessels added

'Sponsors' was changed to 'clients'

'Substantial portion of their work for clients' specified as 'substantial income coming from clients ordering work';

Clients defined as commercial, government or other organizations within the same company;



The current (2014) version of membership criteria compared to the original 1972 version

(a) It carries out a substantial portion of its work **supported by sponsors (deleted) for clients and is able to demonstrate a prior and ongoing responsibility for the prediction of performance of actual vessels and marine installations. Substantial portion of work means that a substantial portion of the income to their model test laboratories comes from contracts for clients. These clients may be commercial clients, government organizations, or other organizations within the same company;**



The current (2014) version of membership criteria compared to the original 1972 version (Continued)

(b) It has a long history of work in support of the ITTC **as evidenced by membership of Committees and Groups, providing data in support of committee and group work, or making written contributions to committees and groups;**

(c) It **operates at least two model test facilities and** has the capability of performing a variety of **experimental and numerical** investigations **within the scope of the ITTC such as resistance...etc.(Deleted).**



Proposed changes to paragraph (a)

Five specific changes from the current version:

- 1 'on-going responsibility for prediction of performance' replaced by 'purpose of the organization is the prediction...';
- 2 'Substantial portion of work' replaced by the requirement for other funding to be secondary to client revenue;
3. Marine structures added to 'vehicles and marine installations';
4. Clients described by activity, not by type of organization; (i.e. builder rather than commercial)
5. Requirement for work to be directed and implemented by full time professional staff added.



Some Observations

The conditions for membership of the Advisory Council have become longer and more complex with each revision.

Efforts to clarify what is meant by “sufficient” and to include other supporting criteria in Paragraph (a) have led to conditions which are difficult to define and assess.

This has made it made difficult for Executive Committees to apply the Rules in a consistent manner.

Any change in the conditions for membership of the Advisory Council should ensure the membership of the Council is line with the 1972 agreement.



A Suggestion

Go back to the membership conditions written in 1972 as (b). Add a simple quantitative definition of “sufficient” but do not include the supporting requirements.

Using the present proposal as a guide, paragraph (a) might read:

(a)The organization provides information, on a fee-for-service basis, to designers, builders, owners or operators of ships, structures or marine installations. The majority of income to the organization must come from such clients.

No change is required to paragraphs (b) and (c)





Form of Written Discussion at the 27th ITTC Conference

Discusser	
Name	David Murdey
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Name of Technical Committee or group to be discussed	Executive Committee
Written Discussion (within 1,000 words of length)	
<p><u>NOTES ON CHANGES TO THE REQUIREMENTS FOR MEMBERSHIP OF THE ADVISORY COUNCIL</u></p> <p><u>The formation of the Advisory Council in 1972</u></p> <p>The following is an extract from a Statement on the Modification of Organization Rules presented by Dr. W. E. Cummings and published as Annex 5, Page 1536 in the 1972 proceedings:</p> <p>“Certain of the major towing tanks are concerned that the ITTC is becoming a diffuse organization which is loosely concerned with ship hydrodynamics. They see the following consequences:</p> <p>(a) They see the possibility that the conference will adopt procedures and policies which will be harmful in the relations between professional towing tanks and their customers;</p> <p>(b) The discussion at the ITTC and the technical committees will become too far ranging, rather than directed toward the problems of tankery;</p> <p>(c) The few large tanks will be heavily outnumbered by the many small tanks, and even more critical, by the universities and research institutions which do not share the same responsibilities to customers;</p> <p>(d) The ITTC will thus become unwieldy in size and inefficient in operation.”</p> <p>Following extensive discussion in 1972, the Advisory Council was formed as the solution to these problems and the ITTC Rules amended to describe the role of the AC and conditions for membership, which were as follows:</p> <p>”An Advisory Council shall be established by the Executive Committee and shall recommend to the Executive Committee, subjects to be considered bearing in mind that the primary aim of the conference is to solve problems of importance to tank superintendents. It will review recommendations of the technical committees and advise the Executive Committee accordingly.</p> <p>The organizations represented on the Advisory Council shall be selected by the Executive Committee from</p>	



the towing tanks which satisfy all the following conditions:

- (a) Capability for performing a variety of investigations, such as resistance and propulsion, manoeuvrability, seakeeping, simulation, propeller characterization and cavitation;
- (b) A substantial portion of their work supported by commercial and/or government or intergovernmental sponsors;
- (c) A long history of work in support of the aims of the ITTC.”

The first Advisory Council had 24 members.

Changes to the conditions for membership

The Rules for membership of the Advisory Council remained unchanged for 4 ITTC periods, after which a number of changes were made intended to clarify and update the conditions for membership:

1984

The words 'In addition to the normal work appropriate to the towing tank there shall be a' were inserted before 'capability of performing a variety of investigations'.

1990

The paragraphs were reordered to put work for clients first, work in support of ITTC second and capability of performing a variety of investigations last.

The examples of the variety of investigations and the reference to normal work of a towing tank were removed and replaced by 'within the scope of ITTC'

'Sponsors' was changed to 'clients' and responsibility for predicting performance of actual vessels added.

Examples work in support of ITTC were included.

A statement that no limit is put on the number of members was added.

1996

'Vessels' changed to 'vessels and marine installations'.

'Substantial portion of their work for clients' specified as 'substantial income coming from clients ordering work';

Clients were defined as commercial, government or other organizations within the same company;

Technical committees was changed to include both Committees and Groups.

The requirement for reconfirmation of Advisory Council membership every six years added.



2008

The requirement for AC members to operate at least two test facilities was added. This was in recognition of the original concept of an Advisory Council formed by larger facilities.

'Both experimental and numerical investigations' included as investigations within the scope of the ITTC.

2014

The Advisory Council has grown to 35 members. 5 of the original 24 are no longer members, (mainly because the organizations no longer exist) for a net increase of 16 new members.

The current version of membership criteria is the same as 2008 which, in full is:

Each such organization must satisfy the Executive Committee that:

- (a) It carries out a substantial portion of its work for clients and is able to demonstrate a prior and ongoing responsibility for the prediction of performance of actual vessels and marine installations. Substantial portion of work means that a substantial portion of the income to their model test laboratories comes from contracts for clients. These clients may be commercial clients, government organizations, or other organizations within the same company;
- (b) It has a long history of work in support of the ITTC as evidenced by membership of Committees and Groups, providing data in support of committee and group work, or making written contributions to committees and groups;
- (c) It operates at least two model test facilities and has the capability of performing a variety of experimental and numerical investigations within the scope of the ITTC.

2014 Proposed change

(a) The purpose of the organization is the prediction of performance of marine vehicles, marine structures and marine installations. The organization provides information, on a fee-for-service basis, to clients who are the designers, builders, owners or operators of these assets. The work is directed and executed by full time professional staff. The organization may also conduct research, technology development, and education activities, provided the funding for these is secondary to its client revenue.

No changes are proposed to (b) and (c).

As stated in the Executive Committee Report the recommended modifications strengthens the criteria slightly, and also require work to be performed by professional full-time staff. Five specific changes from the current version may be identified:

1 'on-going responsibility for prediction of performance' replaced by 'purpose of the organization is the prediction...

2 'Substantial portion of work' replaced by the requirement for other funding to be secondary to client revenue



3 'Marine structures' added to 'vehicles and marine installations';

4 Clients described by activity, not by type of organization; (i.e. builder rather than commercial)

5 Requirement for work to be directed and implemented by full time professional staff added.

It is hoped that this background will give context to the changes now proposed and facilitate discussion of them.

Note: The discussion is supporting by a presentation included hereafter, giving a specific recommendation for modifying the proposed change of the ITTC Rules.

Executive Committee Chairman's response:

The EC appreciates this very detailed account of the background and development of the Advisory Council role and membership qualification requirements. It is of particular value to persons who are newly acquainted with the ITTC and supplements well the description of the ITTC history, which has been recently updated by David Murdey and which will be uploaded to the ITTC website.

As regards the specific proposal for modifying the proposed change of the ITTC Rules with regard to the requirements for becoming a member of the Advisory Council, this will be referred to the 28th Executive Committee.