AGENDA

1. 25th ITTC Accounts and 26th ITTC Budget Plan

2. Proposed revised version of ITTC Rule

3. Recommendations from the Technical Committees

4. Appointment of New EC Chairman and ITTC Secretary and Approval of Host Organization for the next Conference

5. Technical Committees and Group for 26th ITTC

6. Terms of References for 26th Technical Committees and Group

The Resistance Committee

Recommendations

Adopt the updated procedure
No. 7.5-01-01-01 Ship Models.

Adopt the updated procedure
No. 7.5-02-02-01 Resistance Tests.

The Propulsion Committee Recommendations

- Adopt the updated definitions 7.5-01-02-01: Terminology and Nomenclature of Propeller Geometry.
- Adopt the updated procedure 7.5-02-03-01.1: Propulsion Test.
- Adopt the updated procedure 7.5-02-03-02.1: Propeller Open Water Test.
- Adopt the updated procedure 7.5-02-05-02: High Speed Marine Vehicles Propulsion Test.

The Manoeuvring Committee
Recommendations

- Adopt the improved procedure 7.5-02-06-01, “Testing and Extrapolation Methods, Manoeuvrability, Free Model Test Procedure”
- Adopt the improved procedure 7.5-02-06-02, “Testing and Extrapolation Methods, Manoeuvrability, Captive Model Test Procedure”
- Adopt the improved procedure 7.5-02-06-03, “Testing and Extrapolation Methods, Manoeuvrability, Validation of Manoeuvring Simulation Models”
- Adopt the improved procedure 7.5-04-02-01, “Full Scale Manoeuvring Trials”
- Adopt the procedure on UA in captive model tests, “Forces and Moments UA example for PMM tests”

The Seakeeping Committee

Recommendations

Adopt the revised procedure No. 7.5-02-07-02.1 Loads and Responses, Seakeeping, Seakeeping Experiments

Adopt the revised procedure No. 7.5-02-07-02.2 Loads and Responses, Seakeeping, Predicting the Power Increase in Irregular Waves from Model Tests in Regular Waves

Adopt the revised procedure No. 7.5-02-07-02.3 Loads and Responses, Seakeeping, Experiments on Rarely Occurring Events

Adopt the new combined procedure No. 7.5-02-07-02.4 Loads and Responses, Seakeeping, Verification and Validation of Linear Seakeeping Computer Codes

The Ocean Engineering Committee

Recommendations

Adopt the revised ITTC procedure 7.5-02-07-01.1
"Modelling of Wave Spectra".

Adopt the revised ITTC procedure 7.5-02-07-03.1
"Experiments with Offshore Platforms".

Adopt the revised ITTC procedure 7.5-02-07-03.2
"Model Testing in Regular Waves".

Adopt the revised ITTC procedure 7.5-02-07-03.45
"Hybrid Experiments and Numerical Simulations".

Recommendations to the ITTC from the Specialist Committees

Powering Performance Prediction

Recommendations

- Adopt the updated procedure No. 7.5-02-03-01.4 Propulsion, Performance, 1978 ITTC Performance Prediction Method
- Adopt the updated procedure No. 7.5-02-03-01.5 Propulsion, Performance, Predicting Powering Margins
- Adopt the updated procedure No. 7.5-02-05-01 High Speed Marine Vehicles, Resistance Tests

Uncertainty Analysis Recommendations

Adopt the three new uncertainty analysis procedures as follows:

- ITTC Procedure 7.5-01-03-01, “Uncertainty Analysis: Instrument Calibration”.
- ITTC Procedure 7.5-01-03-02, “Uncertainty Analysis: Laser Doppler Velocimetry Calibration”.
- ITTC Procedure 7.5-01-03-03, “Uncertainty Analysis: Particle Imaging Velocimetry”.

Uncertainty Analysis (cont.) Recommendations

Adopt the two revised procedures as follows:

- ITTC Procedure 7.5-02-01-02, “Guidelines for Uncertainty Analysis in Resistance Towing Tanks Tests” Revision 2.
- ITTC Procedure 7.5-02-01-01, “Guide to the Expression of Uncertainty in Experimental Hydrodynamics” Revision 01
- Adopt ISO (1995), “Guide to Expression of Uncertainty in Measurement”, as the scientific basis for all existing, recommended, and future ITTC UA procedures.

Adopt the list of symbols in Appendix A for UA procedures. In addition, the International Vocabulary for Metrology (VIM, 2007) should be adopted as the dictionary for definitions of basic and general terms used in the ITTC UA procedures.

All benchmark test data should include uncertainty analysis statement and be reviewed by the UAC.

Cavitation Recommendations

- Adopt the new procedures:
  - 7.5-02-03-03.7: Prediction of Cavitation and Erosion Damage for Unconventional Rudders or Rudders behind Highly-Loaded Propellers
  - 7.5-02-03-03.8: Modeling the Behavior of Cavitation in Waterjets

Wake Fields
Recommendations

- **adoption of the changes to the four existing procedures:**
  - Procedure 7.5-02-03-03.1: Model-Scale Cavitation Test Cavitation Induced Pressure
  - Procedure 7.5-02-03-03.3: Fluctuations Model Scale Experiments
  - Procedure 7.5-02-03-03.5: Cavitation Induced Erosion on Propellers, Rudders and Appendages Model Scale Experiments
  - Procedure 7.5-02-03-03.6: Podded Propulsor Model-Scale Cavitation Test

- **acceptance of the two new procedures to measure nominal wakes at the propeller plane**
  - use of 5-Hole Pitot Tubes (Procedure 7.5-02-03-02.5)
  - and LDV (Procedure 7.5-02-03-02.4).

Wake Fields (cont.)
Recommendations

- **Monitor and review the development of PIV as a more standard measurement system**

- **Survey and monitor validation of numerical predictions of wake fields at full-scale**

Azimuthing Podded Propulsion Recommendations

Adopt the revised procedure 7.5-02-03-01.3 “ Podded Propulsor Tests and Extrapolation”

Stability in Waves
Recommendations

Adopt the revised procedure 7.5-02-07-04.1 "Model tests on Intact Stability"

Vortex Induced Vibration
Suggestion to further activities

The ITTC VIV committee suggest to continue its activity for one more term with the following tasks:

1. Define and initiate a benchmark model test study, where results from various experiments will be compared. The recommended test set-up compromises a rigid cylinder which is elastically mounted and free to move.

2. Recommended that ITTC should establish cooperation with OMAE on the benchmark activity, where ITTC can provide valuable experimental data to OMAE

Vortex Induced Vibration (cont.) Suggestion to further activities

2. Evaluate need for guidelines on VIV experiment

3. Evaluate need for defining and standardizing VIV related nomenclatures

4. Update VIV review including assessment of experimental and numerical prediction models and the proposed benchmark study activities of ITTC VIV Committee and OMAE