

# Group Discussion

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## Future ITTC

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# ITTC Contributions

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- International Conference of Tank Superintendents (1933)
- ITTC Report: TOR (AC/EC – FC – TC)
- Recommended Procedures
- TC: experts members meeting
- Full Conference: all ship hydrodynamicists
- Propulsion Committee:  
EFD ↓ < CFD ↑

# Decision making process

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- Conflict of interest
- Disclosure of interest
- The **International Towing Tank Conference is a voluntary association** of worldwide organizations that have the responsibility for the prediction of the hydrodynamic performance of ships and marine installations based on the results of physical and numerical experiments.
- ITTC is recognized as an NGO with observer status to IMO, the International Maritime Organization, where ITTC participates actively in matters regarding safety and performance.

# ISO (www.iso.org)

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- The CD becomes final committee draft (FCD) if the number of positive votes is above the quorum. Successive committee drafts may be considered until consensus is reached on the technical content. When it is reached, the text is finalized for submission as a draft International Standard (DIS). The text is then submitted to national bodies for voting and comment within a period of five months. It is approved for submission as a final draft International Standard (FDIS) if a two-thirds majority of the P-members of the TC/SC are in favour and not more than one-quarter of the total number of votes cast are negative. ISO will then hold a ballot with National Bodies where no technical changes are allowed (yes/no ballot), within a period of two months. It is approved as an International Standard (IS) if a two-thirds majority of the P-members of the TC/SC is in favour and not more than one-quarter of the total number of votes cast are negative. After approval, only minor editorial changes are introduced into the final text. The final text is sent to the ISO Central Secretariat, which publishes it as the International Standard.
- **2/3 in favor, 1/4 negative** (DIS to FDIS, FDIS to IS)
- **Consensus**

# Model Test V&V

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- ITTC procedures are made by ITTC.
- Should ITTC (members) be monitored to follow its procedures by ?
- Contribute to enhancement of accuracies
- KRISO: ISO 9001 (DNV)

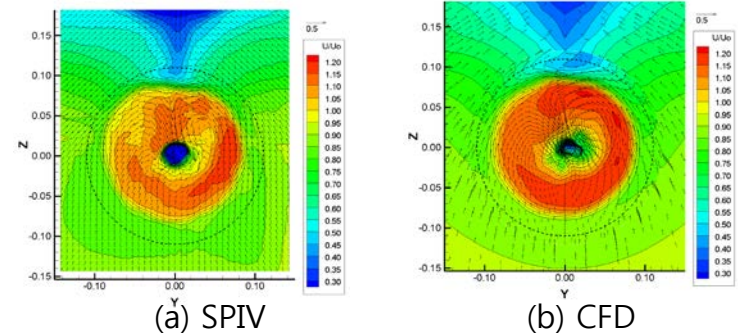
# East Asia

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- More open to global society of shipbuilding
- More contribution to ITTC
  
- KTTC (CTTC) : Preview TC candidates

# Future ITTC

- Experimental data
  - Commercial/Confidential
  - Open model scale data (bench mark data)
  - Liason with other committee(s)/society
- Role of CFD
  - Numerical method
  - Application: Flow structure
- ITTC Future Group
  - Associate(link) with AC meetings



Average velocity components behind CRP



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33<sup>rd</sup> ITTC: 2032

**ITTC** on the Cutting Edge  
of Ship Hydrodynamics