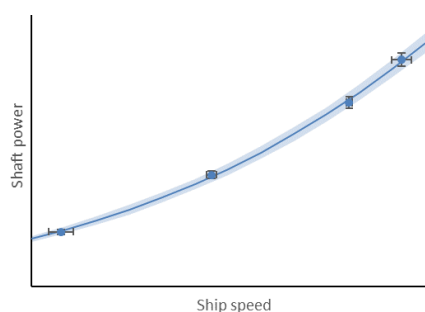


STA 2 JIP

A new chapter for speed/power trials

As a follow-up of the STA JIP, the proposed STA 2 project aims to improve the current standard for speed/power trials. Within this JIP we will investigate existing and proposed correction methods, and develop and validate new correction methods if needed. Furthermore, we will update the present conduct method for trials.



Background

In 2006, leading ship owners, yards, class societies and MARIN developed a new industry standard for speed/power trials within the Sea Trials Analysis (STA) JIP. This standard was drafted with the goal to create an practical, accurate, and transparent standard. In 2012 the ITTC adopted the STA standard, soon followed by ISO15016 in 2015. IMO declared the ITTC/ISO15016:2015 standard as the preferred standard for the determination of ship speed for the Energy Efficiency Design Index (EEDI).

Objective

Although the developed standard was a stark improvement over the previously existing methods, after many years of service there is room for improvement. This project seeks to update the current standard to the state-of-the-art.

Approach

The focus will be both on the conduct and analysis aspects of a speed/power trial. The project will investigate existing and proposed correction methods for the effects of wind, wave and currents. Where necessary, new methods will be developed and existing methods will be updated according to the latest state-of-the-art. Validation campaigns will be conducted to verify new methods and support adaptation.

Impact

The project seeks have the results adapted in new standards and recommended practices from ITTC, IMO and ISO. The project conclusions - including validation results - and the support thereof from a wide base of participants will expedite the uptake.

Open for participants

Stakeholders from the maritime industry, such as ship owners, ship yards, class societies and research institutes, are invited to join the STA 2 JIP.

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