Technical Specification

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Small craft — Propulsion system energy consumption — Test method

Petits navires — Consommation d'énergie du système de propulsion — Méthode d'essai

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Foreword

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This document was prepared by Technical Committee ISO/TC 188, *Small craft*.

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Introduction

This document establishes a comprehensive test framework for assessing energy use of propelled small craft when navigating. The assessment encompasses both added energy, originating from the fuel or power source propelling craft, and non-added energy, comprising forces from wind, currents and waves influencing the craft's movement.

The methodologies outlined not only enable consumers to evaluate energy use but also provide a tool for understanding the environmental impact and operational costs associated with various craft types.

The specific use of this document is twofold. It enables consumers to have a common and comparable baseline to evaluate trade-offs between craft models and/or propulsion systems, while enabling consumers to acquire knowledge about the most energy efficient operational conditions of a specific craft model and/or propulsion system.

In this document, energy use is a way of expressing energy in a common unit for use in comparisons and trade-offs between different craft models, propulsion systems and other modes of transport. The energy assessment to be determined includes some or all values reflected in the concept of total energy use.

This document does not include recommendations regarding the selection of energy sources. Furthermore, the energy assessment detailed herein excludes considerations related to the energy expended in the production of craft.