



International  
Standard

**ISO 18581**

**Compressed natural gas (CNG)  
and liquefied natural gas (LNG)  
equipment and accessories —  
CNG and LNG propulsion systems  
for small craft — Installation  
requirements**

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*Équipements et accessoires pour le gaz naturel comprimé (GNC)  
et le gaz naturel liquéfié (GNL) — Systèmes de propulsion au GNC  
et au GNL pour petits bateaux — Exigences d'installation*

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CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

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## Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 41, *Specific aspects for gaseous fuels*, in collaboration with Technical Committee ISO/TC 188, *Small craft*.

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## Introduction

This document specifies requirements for the installation of equipment for the use of compressed natural gas (CNG) and liquified natural gas (LNG) in the propulsion systems for small crafts.

This document includes procedures which the use substances and procedures that can be injurious to health if adequate precautions are not taken. This document refers only to technical suitability.

Natural gas, either in gaseous (CNG) or liquid phase (LNG), is a very efficient and ready-to-use solution which can facilitate compliance with the more stringent environmental regulations as well as the compliance with the principles of the circular economy. In this context, regulations can concern the impact of a product on the environment during its entire life cycle, including the expenditure of energy and during all phases such as use, scrapping and recycling of materials. Some parts of this document address also environmental aspects.

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