



International
Standard

ISO 19970

**Refrigerated hydrocarbon and non-
petroleum based liquefied gaseous
fuels — Metering of gas as fuel on
LNG carriers during cargo transfer
operations**

*Hydrocarbures réfrigérés et combustibles gazeux liquéfiés à
base non pétrolière — Mesurage du gaz comme carburant sur
les transporteurs de GNL pendant les opérations de transfert de
cargaison*

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Foreword

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This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*, Subcommittee SC 5, *Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels*.

This second edition cancels and replaces the first edition (ISO 19970:2017), which has been technically revised.

The main changes are as follows:

- boil-off gas (BOG) measurement system has been defined;
- uncertainty calculation examples have been added to [Annex C](#).

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