



FINAL DRAFT International Standard

ISO/FDIS 16259

Ships and marine technology — Performance test procedures of LNG BOG re-liquefaction system on board a ship

ISO/TC 8/SC 25

Secretariat: **ANSI**

Voting begins on:
2025-06-10

Voting terminates on:
2025-08-05

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO/FDIS 16259

<https://standards.iteh.ai/catalog/standards/iso/d4b7b323-2afb-43fc-b842-62a541b4948b/iso-fdis-16259>

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO/FDIS 16259

<https://standards.iteh.ai/catalog/standards/iso/d4b7b323-2afb-43fc-b842-62a541b4948b/iso-fdis-16259>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	2
5 Inspection and tests	2
5.1 General	2
5.2 Test fluid	3
5.3 Design appraisal	3
5.4 Equipment safety function testing	3
5.5 Hydrostatic test	3
5.6 Instrument signal inspection	4
5.7 Cryogenic function test	4
5.8 Emergency shutdown test	4
5.9 Performance test at cryogenic condition	5
5.10 Visual inspection	5
6 Marking	5
7 Test reports	6
Annex A (informative) Inspection and test procedure	7
Annex B (informative) Example of document lists applicable to design appraisal	11
Annex C (informative) Examples of test report forms	12
Annex D (informative) Example of concept model for LNG re-liquefaction system	17
Annex E (informative) Components of natural gas	19
Bibliography	20

<https://standards.iteh.ai/catalog/standards/iso/d4b7b323-2afb-43fc-b842-62a541b4948b/iso-fdis-16259>

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 25, *Maritime GHG reduction*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO/FDIS 16259

<https://standards.iteh.ai/catalog/standards/iso/d4b7b323-2afb-43fc-b842-62a541b4948b/iso-fdis-16259>