

ISO/~~DIS~~FDIS 6017:2023(E)

~~Date: 2023-07-25~~

ISO/TC_188/~~WG-20~~

Secretariat: SIS

Date: 2023-09-28

Small craft — Automatic watertight ventilation shutdown system

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

ISO/FDIS 6017

<https://standards.itih.ai/catalog/standards/sist/a657b975-4608-4ee9-b703-9fe3d86179be/iso-fdis-6017>

~~DIS~~FDIS stage

© ISO 2023

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~~ copyright office
CP ~~401~~ • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: + 41 22 749 01 11

~~Email:~~ copyright@iso.org

~~E-mail:~~ copyright@iso.org

~~Website:~~ www.iso.orgwww.iso.org

~~Published in Switzerland.~~

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

ISO/FDIS 6017

<https://standards.iteh.ai/catalog/standards/sist/a657b975-4608-4ee9-b703-9fe3d86179be/iso-fdis-6017>

Contents

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 General requirements	2
4.2 Specific requirements for electric AWWSS	3
4.3 Material requirements	3
4.3.1 Material combinations	3
4.3.2 Resistance to deterioration/corrosion	3
5 Hydrostatic AWWSS — Pressure test	3
5.1 General	3
Figure 1 — Test layout of hydrostatic AWWSS for different positions	4
5.2 Test	4
6 Electric AWWSS	5
6.1 General/design requirements	5
6.1.1 System components for AWWSS	5
6.1.2 Electric/electronic installation	5
6.1.3 Additional functions	6
6.2 Operation test for electric AWWSS	6
6.2.1 General	6
6.2.2 Preparation of the test	6
Figure 2 — Sample layout of the rotating test jig	7
6.2.3 Operation test requirements	8
Figure 3 — Example on open/close status for each angle	9
6.3 Pressure test for electric AWWSS	9
6.3.1 General	9
6.3.2 Preparation of the test	10
6.3.3 Pressure test requirements	10
Bibliography	11
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 General requirements	2

4.2	Specific requirements for electric AWWSS.....	3
4.3	Material requirements.....	3
4.3.1	Material combinations.....	3
4.3.2	Resistance to deterioration/corrosion.....	3
5	Hydrostatic AWWSS — Pressure test.....	3
5.1	General.....	3
5.2	Test.....	4
6	Electric AWWSS.....	5
6.1	General/design requirements.....	5
6.1.1	System components for AWWSS.....	5
6.1.2	Electric/electronic installation.....	5
6.1.3	Additional functions.....	6
6.2	Operation test for electric AWWSS.....	6
6.2.1	General.....	6
6.2.2	Preparation of the test.....	6
6.2.3	Operation test requirements.....	8
6.3	Pressure test for electric AWWSS.....	9
6.3.1	General.....	9
6.3.2	Preparation of the test.....	10
6.3.3	Pressure test requirements.....	10
	Bibliography.....	11

ISO/FDIS 6017

<https://standards.iteh.ai/catalog/standards/sist/a657b975-4608-4ee9-b703-9fe3d86179be/iso-fdis-6017>

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~~/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 188, *Small craft*.

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.

Introduction

Automatic watertight ventilation systems help to prevent ingress of water, which can also help to maintain buoyancy of small crafts. The air space trapped in the compartment can provide buoyancy to help to keep the boat afloat.

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

[ISO/FDIS 6017](https://standards.iteh.ai/catalog/standards/sist/a657b975-4608-4ee9-b703-9fe3d86179be/iso-fdis-6017)

<https://standards.iteh.ai/catalog/standards/sist/a657b975-4608-4ee9-b703-9fe3d86179be/iso-fdis-6017>