



Danmark

## Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TÜV SÜD DANMARK ApS did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

<b>Implementing Regulation</b>	<b>(EU)2022/1157</b>
<b>Certificate Holder and Manufacturer</b>	<b>Thrane &amp; Thrane A/S Lundtoftegaardsvej 93 D DK-2800 Kgs. Lyngby Denmark</b>
<b>Product(s)</b>	<b>SAILOR 6249</b>
<b>Product Sector</b>	<b>Radiocommunication equipment</b>
<b>Product Type</b>	<b>MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus</b>

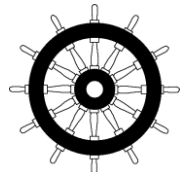
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 05 September 2023

*M Hardy*  
(M J Hardy)

Expiry Date: 22 November 2027

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations and constitutes page 1 of the combined Certificate and Annex.  
The Conditions for the validity of this certificate are listed in the Annex.  
For further details, related to this certification please contact [BABT@tuvsud.com](mailto:BABT@tuvsud.com)

**2443**

Issued by TÜV SÜD DANMARK ApS under document number: DK-MED000160 Issue 1

Page 1 of 4

TÜV SÜD DANMARK ApS • Strandvejen 125 • 2900 Hellerup • Denmark



Danmark

# Annex to Marine Equipment Directive Module B Type Examination Certificate

## 1 Equipment Description

Fixed survival craft two-way VHF radio.

### 1.1 Models

Model
SAILOR 6249

#### 1.1.1 System Components

Model	Description	Part no.
TT-6249A	SAILOR 6249 VHF Survival Craft	406249A
TT-6202A	SAILOR 6202 Hand Microphone	406202A
TT-6090A	SAILOR 6090 Power Converter	406090A

#### 1.1.2 Optional Components

Model	Description	Part no.
TT-6207A	SAILOR 6207 Connection Box	406207A
TT-6208A	SAILOR 6208 CU Connection Box	406208A
TT-6209A	SAILOR 6209 Connection Box	406209A
TT-6201A	SAILOR 6201 Handset	406201A
TT-6203A	SAILOR 6203 Handset WP	406203A
SAILOR N163S	SAILOR N163S Power Supply (AC/DC)	801194xx
SAILOR N420	SAILOR N420 (DC/DC)	800420xx
TT-6270A	SAILOR 6270 Loudspeaker	406270A

### 1.2 Software

Identity	Description
2.xx	Main Unit

## 2 Assessed Requirements

### 2.1 Implementing Regulation (EU)2022/1157

### 2.2 Compliance Requirements for MED/5.18

IMO Resolutions	International Testing Standards	
Resolution A694(17)	EN 60945:2002 inc. Corr.1:2008	Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results
IMO Res. A.809(19)	ETSI EN 301 466 V1.2.1:2015-12	Technical characteristics and methods of measurement for two-way VHF radiotelephone apparatus for fixed installation in survival craft
ITU-R M.489-2 (10/95)		



Danmark

# Annex to Marine Equipment Directive Module B Type Examination Certificate

## 3 Technical Documentation

### 3.1 Declaration of Conformity

99-157058-J\_Declaration of Conformity SAILOR 6249 VHF Survival Craft\_MED - Modified 2023-09-05  
TuV-SuD

### 3.2 User Guide

98-133865-G SAILOR 6249 VHF Survival Craft User manual Dated 2016-11-24  
98-135548-g SAILOR 6249 VHF Survival Craft Installation manual Dated 2017-08-01  
98-133943-b SAILOR 6249 VHF Survival Craft Installation Guide Modified 2013-01-18

### 3.3 Test Reports

#### 3.3.1 EN 60945:2002 incl. IEC 60945 Corrigendum 1:2008

E10269.00 Issued 2011-05-23  
177602/4 Issued 2011-07-14  
177602/6 Issued 2011-07-19  
Corr Waiver 622x Dated 2010-12-13

#### 3.3.2 ETSI EN 301 466 V1.2.1

158780/3 Issued 2011-02-02  
177602/3 Issued 2011-06-28  
177602/4 Issued 2011-07-14  
177602/6 Issued 2011-07-19

### 3.4 Build Status

#### 3.4.1 Hardware

93-127370-C diagram dispaly module Modified 2022-09-13  
93-127963-E HMI PCB Dated 2010-10-26  
93-128347-E\_Schematic VHF 6000 Subdisplay Module Modified 2022-09-13  
93-130739-U Transceiver scematic Dated 2019-04-04  
93-130742-H Intercon PCB Dated 2012-05-08  
57-127367\_Main Module Non Class parts list\_tested Modified 2022-09-13  
57-127370\_VHF 6000 Display Module Class Modified 2022-09-13  
57-128347\_RevE VHF 6000 Subdisplay Module parts Modified 2022-09-13

### 3.5 Notes

Note 1 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.  
The first digit in the Software Version indicates Major revisions, whereas “xx” represents Minor revisions which will have no impact on product compliance.

# Annex to Marine Equipment Directive Module B Type Examination Certificate



Danmark

## 4 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

During the period of validity of this certificate the applicable regulations (international conventions and relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by TÜV SÜD DANMARK ApS.

The Mark of Conformity may only be affixed to the above type approved equipment and a manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature:

*M Hardy*  
(M J Hardy)

Date:

05/09/2023

On behalf of TÜV SÜD DANMARK ApS