



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)2024/1975</b>
<b>Certificate Holder and Manufacturer</b>	<b>Thrane &amp; Thrane A/S Lundtoftegaardsvej 93 D 2800 Kgs. Lyngby Denmark</b>
<b>Product(s)</b>	<b>SAILOR 3965 McMurdo R8F</b>
<b>Product Sector</b>	<b>Radiocommunications Equipment</b>
<b>Product Type</b>	<b>MED/5.20</b>

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

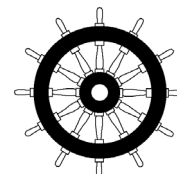
Valid from: 07 October 2024 (Andy Little)

Expiry Date: 24 October 2028

This certificate has been issued in accordance with the TÜV SÜD Testing, Certification Validation and Verification 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-MED000164 Issue 01

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



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# Annex to Marine Equipment Directive Module B Type Examination Certificate

## 1 Equipment Description

Portable UHF Fire-Fighter's ATEX radiotelephone

### 1.1 Models

Model
SAILOR 3965
McMurdo R8F

#### 1.1.1 System Components

##### 1.1.1.1 SAILOR

Model No	Part No	Description
TT-3965A	403965A	ATEX Transceiver SAILOR 3965 UHF Fire
B3503	403503A	ATEX Primary Battery

##### 1.1.1.2 McMurdo

Model No	Part No	Description
TT-3965A	403965A-MCM	ATEX Transceiver McMurdo R8F UHF
B3503	403503A	ATEX Primary Battery

### 1.2 Software <sup>Note 1</sup>

Identity	Description
Firmware for SP39xx Series	3.00.01

## 2 Specified Requirements

### 2.1 Implementing Regulation (EU)2024/1975 MED/5.20 Row 1 of 2 <sup>Note 2</sup>

Type approval requirements	Carriage and Performance Requirements
SOLAS 74 Reg. II-2/2 SOLAS 74 Reg. II-2/10	SOLAS 74/2014 Reg. II-2/10 IMO Res. A.694(17) IMO MSC.1Circ 1616 ITU-R M.489-2 (10/95) ITU-R M.1174-4 (10/2019)
Assessed Testing Standards	
IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	ETSI EN 300 720 V2.1.1:2017-01
ETSI EN 301 843-1 V2.2.1:2017-11	ATEX Directive 2014/34/EU <sup>Note 3</sup>
ETSI EN 301 843-2 V2.2. 1:2017-11	-

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## 3 Technical Documentation

### 3.1 Declaration of Conformity

99-159284-E Modified 2024-09-09

### 3.2 User Guide

98-150078-j SAILOR 3965 Portable UHF ATEX SOLAS Fire Fighter User manual Dated 2021-04-13  
98-150078-MCM-K.02 R8F SmartFind UHF Fire Fighter Radio User Manual Dated 2022-03-04

### 3.3 Test Reports

#### 3.3.1 IEC 60945:2002 inc. Corr.1:2008

E17277.00 Dated 2018-02-05  
389894 Dated 2020-01-22  
60320\_6180631 Dated 2018-05-09  
99-184824-A\_Statement\_3965\_EN300\_720\_IEC60945\_11.2\_8.10\_8.11\_8.12 Dated 2023-09-11  
99788230 Rev. 2.0 Dated 2007-04-03  
99788220 Dated 2007-04-05

#### 3.3.2 ETSI EN 300 720 V2.1.1:2017-01

342319-01 Dated 2017-12-15  
E17277.00 Dated 2018-02-05  
389894 Dated 2020-01-22  
99-184824-A\_Statement\_3965\_EN300\_720\_IEC60945\_11.2\_8.10\_8.11\_8.12 Dated 2023-09-11  
99788230 Rev. 2.0 Dated 2007-04-03  
99788220 Dated 2007-04-05

#### 3.3.3 ETSI EN 301 843-1 V2.2.1 and ETSI EN 301 843-2 V2.2.1

E17277.00 Dated 2018-02-05

#### 3.3.4 ATEX Directive 2014/34/EU

TÜV 16 ATEX 179791 X Issue 01 Issued 2016-12-13

### 3.4 Build Status

#### 3.4.1 Hardware

SP3560 BOM Modified 2023-01-24  
93-150001-E\_Circuit\_Diagram Dated 2019-03-28  
38-150001-A02\_PCB lay out Top AST Dated 2017-09-18  
38-150001-A02\_PCB lay out bottom ASB Dated 2017-09-18

### 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, Certification, Validation and Verification Regulations.  
Note 2 Implementing Regulation (EU)2024/1975 gives a last placing on board date of 10/10/2026 for equipment approved against the test standards listed above. See Conditions of Validity.  
Note 3 (EU)2024/1975 MED/5.20 Row 1 requires compliance with the ATEX Directive 2014/34/EU. This requirement is covered by ATEX Type Approval as referenced in section 3.3.4.

# Annex to Marine Equipment Directive Module B Type Examination Certificate



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## 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:

A handwritten signature in black ink, appearing to read 'Andy Little'.

(Andy Little)

On behalf of TÜV SÜD DANMARK ApS

Date:

07/10/2024