



Danmark

Annex to Marine Equipment Directive Module B Type Examination Certificate

1 Equipment Description

Portable survival craft two-way VHF radiotelephone apparatus

1.1 Models

Models
SAILOR SP3520
McMurdo R5

1.1.1 System Components

SAILOR Model	McMurdo Model	Description
SAILOR SP3520	TT-1709A	VHF Survival Craft (GMDSS)
SAILOR B3501	TT-1708A	Primary battery (yellow, non-rechargeable)
SAILOR B3502	TT-1707A	Secondary battery (black, rechargeable)
SAILOR CH3507	TT-1704A	Charger
88-125538	88-125538	AC/DC converter, length 150cm (100-240V~ /12VDC out)
88-124370	88-124370	Antenna

1.1.2 Optional Components

Model	Description
CH3508 / TT-1708A	Dual Position Charger
Savox 400E with Savox Noise-com NC/400	Interface cable with headset
Savox 400E with Savox HC-E	Interface cable with Helmet unit
Savox C500 with Savox Noise-com NC/400	Interface cable with headset
Savox C500 with Savox HC-E	Interface cable with Helmet unit
Savox C500 with Savox HC1	Interface cable with Helmet unit
Peltor FL5214 with Peltor MT7H79	Interface cable with headset

1.2 Software

Identity	Description
2.00.xxx	Radio software

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2 Assessed Requirements

2.1 Implementing Regulation (EU)2023/1667

2.2 Compliance Requirements for MED/5.17^{Note 2}

IMO Resolutions	International Testing Standards	
Resolution A694(17)	IEC 60945:2002 inc. Corr.1:2008	General Requirements for Marine Navigation Equipment
	ETSI EN 301 843-2 V2.2.1:2017-11	ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services; Harmonised Standard for electromagnetic compatibility; Part 2: Specific conditions for VHF radiotelephone transmitters and receivers
IMO Res.A.809(19)	ETSI EN 300 225 V1.5.1:2015-12	Electromagnetic compatibility and Radio spectrum Matters (ERM); Technical characteristics and methods of measurement for survival craft portable VHF radiotelephone apparatus
IMO Res.MSC.149(77)		
ITU-R M.489-2 (10/95)		

3 Technical Documentation

3.1 Declaration of Conformity

99-124384-P Declaration of Conformity SAILOR SP3520 VHF GMDSS	Modified	2023-09-20
99-156975-F Declaration of Conformity McMurdo R5 GMDSS	Modified	2023-08-16

3.2 User Guide

SAILOR SP3520 Portable VHF GMDSS 98-124294-K	Dated	2016-12-01
McMurdo R5 GMDSS VHF Handheld Radio 98-137396-MCM-J02	Dated	2022-03-08

3.3 Test Reports

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

99788220	Dated	2007-04-05
DANAK-19K0457	Dated	2007-06-15
DANAK-19K0469	Dated	2007-09-18
E11128.00	Dated	2011-08-01
180514	Dated	2012-04-11

3.3.2 ETSI EN 301 843-2 V2.2.1:2017-11

99-175132-A_Statement_Sailor_SP3520_SP3540_EN301843-2v221_compliance	Dated	2018-06-05
DANAK-19/18030	Dated	2017-06-26
99788220	Dated	2007-04-05
180514	Dated	2012-04-11

3.3.3 ETSI EN 300 225 V1.5.1:2015-12

99788230 Rev 2.0	Dated	2007-04-03
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3.4 Build Status

3.4.1 Hardware

Diagram Transceiver 93-123533-U	Dated	2018-11-12
Diagram battery connector tt93-124103-b	Dated	2006-11-09
Assembly 97-155865	Dated	2017-02-08
System Architecture VHF_HH	Dated	2022-09-28
59-124103_Battery Connector Module_BOM_Rev C_02	Dated	2016-11-22
59-123533_Transceiver Module_SP3510_20_BOM_Rev K_10	Dated	2016-11-22

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.

Where "xx" represents Minor revisions to software which will have no impact on product compliance.

Note 2 (EU)2023/1667 gives a last placing on board date of 10/10/2026 for equipment approved against the test standards listed above. See Conditions of Validity.

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:

(Thomas J. Twynam)

Date:

2023-10-10

On behalf of TÜV SÜD DANMARK ApS