



Maritime &
Coastguard
Agency



B A B T

Notified body authorised by the MCA

Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TUV SUD BABT 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

Implementing Regulation	(EU)2018/773
Certificate Holder and Manufacturer	Thrane & Thrane A/S Lundtoftegaardsvej 93 D DK-2800 Kgs. Lyngby Denmark
Product(s)	SAILOR 6390 & SAILOR 6391
Product Sector	Radiocommunication Equipment
Product Type	MED/5.3 Navtex Receiver

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


(Tom Twynam)

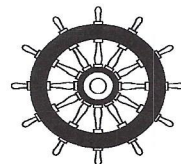
Valid from: 09 October 2018

Expiry Date: 08 October 2023

This certificate has been issued in accordance with the Certification Regulations of TUV SUD BABT (Notified Body Number 0168) 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@TUV-SUD.co.uk



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Issued by TUV SUD BABT under document number BABT-MED000058 Issue 07

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1 Equipment Description

Brief Product Description

1.1 Models

1.1.1 Model Names

Model
SAILOR 6390 Navtex Receiver* Note 1&3
SAILOR 6391 Navtex System* Note 2&3

1.1.2 System Components

SAILOR 6390	SAILOR 6391		
X	X	SAILOR 6390 (TT-6390A)	Navtex Receiver
-	X	SAILOR 6004 (TT-6004A)	Control Panel

1.2 Software^{Note 4}

Identity
Version 2.10

2 Assessed Requirements

2.1 Implementing Regulation (EU)2018/773

2.2 Compliance Requirements for MED/5.3

IMO Resolutions	International Testing Standards	
IMO Res. MSC.148(77) ITU-R M. 540-2 ITU-R M. 625-4	IEC 61097-6 (2012)	Global maritime distress and safety system (GMDSS) – Part 6: Narrowband direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX)
	IEC 61162-1 (2016)	Maritime navigation and radiocommunication equipment and systems – Digital interfaces Part 1: Single talker and multiple listeners
	IEC 61162-450 ed1.0 (2011-06) with am1 (2016)	Maritime navigation and radiocommunication equipment and systems – Digital interfaces Part 450: Multiple talkers and multiple listeners – Ethernet interconnection
IMO Res. A.694(17)	IEC 60945 (2002) incl. Corr. 1 (2008)	Maritime navigation and radiocommunication equipment and systems – General requirements

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3 Technical Documentation

3.1 Declaration of Conformity

99-155363-B Declaration of Conformity SAILOR 6390 and 6391
Navtex Receiver Dated 2018-04-24

3.2 User Guide

SAILOR 6390 Navtex Receiver User Manual, Document No. 98-137261-D Dated 2017-08-02
SAILOR 6390 Navtex Receiver Installation Manual, Document No. 98-139768-D Dated 2017-08-24
SAILOR 6004 Navtex Control Panel Installation Manual,
Document No. 98-136644-D Dated 2015-09-03

3.3 Test Reports

3.3.1 IEC 60945 (2002) incl. IEC 60945 Corrigendum 1 (2008)

E12207.00 Issued 2015-09-08
75923004 Report 01 Issue 2 Issued 2013-11-06
75923004 Report 03 Issue 2 Issued 2013-11-08

3.3.2 IEC 61162-1 (2016)

75930992 Report 02 Issue 1 ^{Note 5} Issued 2015-10-27

3.3.3 IEC 61162-450 (2011) + A1 (2016)

96-154196-A Issued 2017-02-16

3.3.4 IEC 61993-2 (2012)

75923004 Report 04 Issue 2 Issued 2013-11-08

3.4 Build Status

3.4.1 Hardware

TT-6390A Drawing No. 93-135754 Rev. J Modified 2017-01-13
TT-6004A Drawing No. 93-134922 Rev. G Modified 2018-05-02
TT-6004A Drawing No. 93-135568 Rev. G Modified 2013-06-21

3.5 Notes

- Note 1 The SAILOR 6390 works as a stand-alone unit and can be used as part of an Integrated Navigation System, however this approval does not cover INS operation.
- Note 2 The SAILOR 6391 comprises of radio receivers, signal processors, a dedicated display, printer output port and non-volatile memory in line with IMO Res.MSC.148(77).
- Note 3 SAILOR is the brand name for Cobham SATCOM maritime products manufactured by Thrane & Thrane A/S
- Note 4 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the Certification Regulations of TÜV SÜD BABT.
- Note 5 Additional testing has been detailed within 75930992 Report 02 Issue 1 (dated 2015-10-27) performed against IEC 61162-1 (2016) to demonstrate implementation of alarm management sentences ACN, ALC and ALF in preparation for use with INS (IEC 61924) and future Bridge Alarm Management Systems (BAM) as defined by IMO Res. MSC.302(87).
- Note 6 A SAILOR 6588A DGNSS receiver and SAILOR 6280 AIS Transponder may be connected to the system in order to provide full DGNSS and AIS functionality. The DGNSS and AIS function are not covered by this certificate. Type Approval certificates are required for the DGNSS and AIS facilities, the related certificate numbers are:
SAILOR 6588 DGNSS receiver: 4581/001/412748/15
SAILOR 6280/81 AIS: BABT-MED000046

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4 Conditions of Validity

This issue of the Annex, to the referenced Marine Equipment Module B certificate, relates to issue 07 of the certificate.

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TUV SUD BABT or a person appointed by TUV SUD BABT to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or onboard vessels to which the amended regulations or standards apply.

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 Annex B of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature: T. J. Twynnam Date: 9th October 2018
Print Name: TOM J. TWYNAM
On behalf of TUV SUD BABT