



## Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Radio requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive 2011/75/EU and that the equipment of

***Thrane & Thrane A/S***

of

Lundtoftegaardsvej 93 D  
DK-2800 Kgs. Lyngby  
Denmark

known as

**SAILOR 6390 &  
SAILOR 6391**

conform to the relevant requirements for the following equipment as listed in  
Marine Equipment Directive Annex A.1:

### Annex A.1/5.3 Navtex Receiver

as defined in Commission Directive 2011/75/EU

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

Signed: 

Issue Date: 11 November 2013

On Behalf of TÜV SÜD BABT

Number: BABT-MED000058 Issue: 01

This certificate has been issued in accordance with the Certification Regulations of TÜV SÜD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex

This certificate is valid from 11 November 2013 until not later than 10 November 2018

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](mailto:BABT@TUV-SUD.co.uk)



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TÜV SÜD BABT • TÜV SÜD Group

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Annex to

## Marine Equipment Directive Module B Type Examination Certificate

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### Description of Equipment

Navtex Receiver

**Models:** SAILOR 6390 Navtex Receiver\* <sup>Note 1</sup>  
 SAILOR 6391 Navtex System\* <sup>Note 2</sup>

**System Components:**

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

\*SAILOR is the brand name for Cobham SATCOM maritime products manufactured by Thrane & Thrane A/S.

### Compliance Matrix For MED Item A.1/5.3

IMO Resolutions	International Testing Standards	
IMO Res. MSC.148(77) ITU-R M. 540-2 ITU-R M. 625-3	IEC 61097-6 Ed.2 (2005) (Inc. Amendment 1:2011)	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 Ed.2 (2010)**	Maritime navigation and radiocommunication equipment and systems — Digital interfaces Part 1: Single talker and multiple listeners
IMO Res. A.694(17)	IEC 60945 Ed.4 (2002) (Inc. Corr1:2008)	General Requirements for Marine Navigation Equipment

\*\*As required by IEC 61097-6:2005

### Manufacturer:

**Name:** As Holder  
**Address:** As Holder



## Relevant Technical Documentation

### **Supplier's Declaration(s) of Conformity:**

DOC for wheelmark equipment 99-113177-M DRAFT, 2013-10-24

### **User Guide:**

SAILOR 6390 Navtex Receiver User Manual, Document No. 98-137261-A (Draft), 2013-10-11

SAILOR 6390 Navtex Receiver Installation Manual, Document No. 98-139768-A, 2013-10-25

### **Test report numbers:**

IEC 61097-6 (2005): (Inc. Amendment 1:2011)	75923004 Report 04 Issue 2, 2013-11-08
IEC 60945 (2002): inc Corr 1 (2008)	75923004 Report 01 Issue 2, 2013-11-06 75923004 Report 03 Issue 2, 2013-11-08 E12207.00, 2012-11-19 Corrosion statement Sailor 6391 Navtex System, 2013-08-08
IEC 61162-1 (2010):	75923004 Report 02 Issue 1, 2013-10-30

**Approved Software:** Version 1.02<sup>Note 3</sup>

**Approved Hardware :** Rev. B  
Circuit Diagram: 93-135754-B, 2013-03-21  
93-135992-B, 2012-10-04  
Parts List: 406390A\_Navtex\_BOM.xls, 2013-10-21  
BOM 6004 CPU-B, 2013-05-29  
BOM 6004 SMPS-B, 2013-05-29

### NOTES:-

- 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.
- 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).
- 3 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.



## Conditions of Validity

This issue of the Annex to the referenced Marine Equipment Module B Certificate relates to Issue 1 of the Certificate.

The assessed equipment is also in compliance with Directive 96/98/EC as amended by Commission Directive 2012/32/EU, this Module B Certificate is also valid under that amendment.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD BABT or a person appointed by TÜV SÜD 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 board 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."

Signed:.....*L. Rowland*.....  
on behalf of TÜV SÜD BABT

Date: *11th November 2013*