

QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:
MEDD000002Z
Revision No:
6

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:**That the Quality System for the products**

with type designation(s) as specified in the Appendix to this Certificate

Issued to

**Thrane & Thrane A/S Trading as Cobham Satcom
Pandrup, Nordjylland, Denmark**

is found to comply with the applicable requirements.

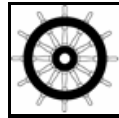
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2018/773.

This Certificate is valid until **2020-12-20**.

Issued at **Høvik** on **2018-12-17**

DNV GL local station:
Copenhagen

Approval Engineer:
Steinar Kristensen

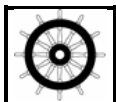


Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

The manufacturer is allowed to affix the U.S. Coast Guard approval number(s) as stated in the appendix attached hereto and as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.



0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein. This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. The Manufacturer has to apply for periodical audits to verify the maintenance and application for the quality system every 12 months.



Job Id: **344.1-000247-23**
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APPENDIX

Item no. MED/4.14 GPS equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6560 GNSS System, SAILOR 6570 DGNS System ¹	PTL-MED-B-18-110466	2023-03-13	0700	165.130/EC0700 /PTL-MED-B-18-110466 /EC0575

Item no. MED/4.15 GLONASS equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6560 GNSS System, SAILOR 6570 DGNS System ¹	PTL-MED-B-18-110466	2023-03-13	0700	165.131/EC0700 /PTL-MED-B-18-110466 /EC0575

Item no. MED/4.32 Universal automatic identification system equipment (AIS)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6280, SAILOR 6281 ¹	BABT-MED000046 Issue 06	2023-09-05	0168	165.155/EC0168 /BABT-MED000046 Issue 06 /EC0575

Item no. MED/4.50 DGPS Equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6560 GNSS System, SAILOR 6570 DGNS System ¹	PTL-MED-B-18-110466	2023-03-13	0700	N/A

Item no. MED/4.51 DGLONASS Equipment

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6560 GNSS System, SAILOR 6570 DGNS System ¹	PTL-MED-B-18-110466	2023-03-13	0700	N/A

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Item no. MED/5.1 VHF radio installation capable of transmitting and receiving DSC and radiotelephony

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6222 VHF DSC Class A ¹	MED-B-16501	2021-12-12	0470	N/A

Item no. MED/5.10 MF radio capable of transmitting and receiving DSC and radio-telephony

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR MF/HF System 6000B (150W) ¹	BABT-MED000075 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (250W) ¹	BABT-MED000080 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (500W) ¹	BABT-MED000081 Issue 05	2020-08-05	0168	N/A

Item no. MED/5.11 MF DSC watch-keeping receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR MF/HF System 6000B (150W) ¹	BABT-MED000075 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (250W) ¹	BABT-MED000080 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (500W) ¹	BABT-MED000081 Issue 05	2020-08-05	0168	N/A

Item no. MED/5.13 Inmarsat-C SES

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6110 GMDSS System, 6110 GMDSS System ¹	MED-B-18431	2023-11-19	0470	N/A

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Item no. MED/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR TT-6310A, Highlander TT-6310A, SAM TT-6310A ¹	162120036/AA/00	2021-10-31	0560	N/A
SAILOR TT-6320A, Highlander TT-6320A, SAM TT-6320A ¹	162120037/AA/00	2021-10-31	0560	N/A
SAILOR TT-6350A, Highlander TT-6350A, SAM TT-6350A ¹	162120038/AA/00	2021-10-31	0560	N/A
SAILOR MF/HF System 6000B (150W) ¹	BABT-MED000075 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (250W) ¹	BABT-MED000080 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (500W) ¹	BABT-MED000081 Issue 05	2020-08-05	0168	N/A

Item no. MED/5.15 MF/HF DSC watch-keeping receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR TT-6310A, Highlander TT-6310A, SAM TT-6310A ¹	162120036/AA/00	2021-10-31	0560	N/A
SAILOR TT-6320A, Highlander TT-6320A, SAM TT-6320A ¹	162120037/AA/00	2021-10-31	0560	N/A
SAILOR TT-6350A, Highlander TT-6350A, SAM TT-6350A ¹	162120038/AA/00	2021-10-31	0560	N/A
SAILOR MF/HF System 6000B (150W) ¹	BABT-MED000075 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (250W) ¹	BABT-MED000080 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (500W) ¹	BABT-MED000081 Issue 05	2020-08-05	0168	N/A

Item no. MED/5.17 Portable survival craft two-way VHF radiotelephone apparatus

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR SP3520 VHF GMDSS ¹	MED-B-18041 Rev. 01	2023-12-11	0470	N/A
SAILOR SP3540 VHF GMDSS ¹	MED-B-18042 Rev. 01	2023-12-11	0470	N/A
McMurdo R5 GMDSS ¹	182120013/AA/00	2023-10-22	0560	N/A

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Item no. MED/5.19 Inmarsat-F SES

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6249 VHF survival craft ¹	MED-B-18043 Rev. 01	2023-12-06	0470	N/A
SAILOR Fleet 77 TT-3084A, KVH Tracphone 77, Northrop Grumman Sperry Marine NAVICOM F77, SAM Electronics SAM TT-3084A ¹	142120001/AA/00	2019-02-10	0560	N/A

Item no. MED/5.3 NAVTEX receiver

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR 6390 Navtex Receiver, SAILOR 6391 Navtex System ¹	BABT- MED000058 Issue 07	2023-10-08	0168	N/A

Item no. MED/5.5 HF marine safety information (MSI) equipment (HF NBDP receiver)

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
SAILOR MF/HF System 6000B (150W) ¹	BABT- MED000075 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (250W) ¹	BABT- MED000080 Issue 05	2020-08-05	0168	N/A
SAILOR MF/HF System 6000B (500W) ¹	BABT- MED000081 Issue 05	2020-08-05	0168	N/A

Places of production

1.Thrane & Thrane A/S Trading as Cobham Satcom, Industrivej 30, Pandrup, Denmark