

# QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:  
**MEDD000002Z**  
Revision No:  
**5**

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.

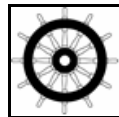
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2018/773.

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

Issued at **Høvik** on **2018-11-15**

DNV GL local station:  
**Copenhagen**

Approval Engineer:  
**Steinar Kristensen**

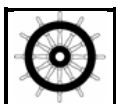


Notified Body  
No.: **0575**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-000247-22**  
Certificate No: **MEDD000002Z**  
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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 <sup>1</sup> | PTL-MED-B-18-110466                 | 2023-03-13  | 0700              | 165.130/EC0700<br>/PTL-MED-B-18-110466<br>/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 <sup>1</sup> | PTL-MED-B-18-110466                 | 2023-03-13  | 0700              | 165.131/EC0700<br>/PTL-MED-B-18-110466<br>/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 <sup>1</sup> | BABT-MED000046<br>Issue 06          | 2023-09-05  | 0168              | 165.155/EC0168<br>/BABT-MED000046<br>Issue 06<br>/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 <sup>1</sup> | 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 <sup>1</sup> | 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 <sup>1</sup> | 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) <sup>1</sup> | BABT-MED000075<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (250W) <sup>1</sup> | BABT-MED000080<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (500W) <sup>1</sup> | BABT-MED000081<br>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) <sup>1</sup> | BABT-MED000075<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (250W) <sup>1</sup> | BABT-MED000080<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (500W) <sup>1</sup> | BABT-MED000081<br>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 <sup>1</sup> | MED-B-17171                         | 2022-05-03  | 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 <sup>1</sup> | 162120036/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR TT-6320A, Highlander TT-6320A, SAM TT-6320A <sup>1</sup> | 162120037/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR TT-6350A, Highlander TT-6350A, SAM TT-6350A <sup>1</sup> | 162120038/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR MF/HF System 6000B (150W) <sup>1</sup>                   | BABT-MED000075<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (250W) <sup>1</sup>                   | BABT-MED000080<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (500W) <sup>1</sup>                   | BABT-MED000081<br>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 <sup>1</sup> | 162120036/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR TT-6320A, Highlander TT-6320A, SAM TT-6320A <sup>1</sup> | 162120037/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR TT-6350A, Highlander TT-6350A, SAM TT-6350A <sup>1</sup> | 162120038/AA/00                     | 2021-10-31  | 0560              | N/A                  |
| SAILOR MF/HF System 6000B (150W) <sup>1</sup>                   | BABT-MED000075<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (250W) <sup>1</sup>                   | BABT-MED000080<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (500W) <sup>1</sup>                   | BABT-MED000081<br>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 |
|--------------------------------------|-------------------------------------|-------------|-------------------|----------------------|
| McMurdo R5 GMDSS <sup>1</sup>        | 182120013/AA/00                     | 2023-10-22  | 0560              | N/A                  |
| SAILOR SP3520 VHF GMDSS <sup>1</sup> | MED-B-18041                         | 2023-01-24  | 0470              | N/A                  |
| SAILOR SP3540 VHF GMDSS <sup>1</sup> | MED-B-18042                         | 2023-01-24  | 0470              | N/A                  |

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**Item no. MED/5.18 Fixed survival craft two-way VHF radiotelephone apparatus**

| Type designation                            | EC Type-Examination Certificate No. | Expiry date | Notified Body No. | USCG approval number |
|---|-------------------------------------|-------------|-------------------|----------------------|
| SAILOR 6249 VHF survival craft <sup>1</sup> | MED-B-18043                         | 2023-01-24  | 0470              | N/A                  |

**Item no. MED/5.19 Inmarsat-F SES**

| Type designation  | EC Type-Examination Certificate No. | Expiry date | Notified Body No. | USCG approval number |
|---|-------------------------------------|-------------|-------------------|----------------------|
| SAILOR Fleet 77 TT-3084A, KVH Tracphone 77, Northrop Grumman Sperry Marine NAVICOM F77, SAM Electronics SAM TT-3084A <sup>1</sup> | 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 <sup>1</sup> | BABT-MED000058<br>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) <sup>1</sup> | BABT-MED000075<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (250W) <sup>1</sup> | BABT-MED000080<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |
| SAILOR MF/HF System 6000B (500W) <sup>1</sup> | BABT-MED000081<br>Issue 05          | 2020-08-05  | 0168              | N/A                  |

**Places of production**

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