



# DET NORSKE VERITAS

## QS - CERTIFICATE OF ASSESSMENT - EC

*Application of:* Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2002/75/EC, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This certificate is issued by Det Norske Veritas under the authority of the Government of the Kingdom of Norway.

**CERTIFICATE NO. MED-D-771**

*This Certificate consists of 3 pages*

*This is to certify that the Quality System for the product*  
**See appendix for product designation**  
*with product designation(s) as specified in the Appendix to this certificate*

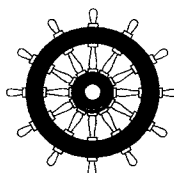
*Manufactured by*  
**Thrane & Thrane A/S**  
**Kgs. Lyngby, Denmark**

*is found to comply with the requirements applicable to it.*  
The quality system for the product, defined in Annex A.1, Item No. A.1/5.1, A.1/5.2, A.1/5.13 A.1/5.14, A.1/5.15 and A.1/5.17 has been assessed with respect to the procedure of conformity assessment described in Annex B, Module D in the directive.

*Limitations:*  
Modifications made to the Quality System shall immediately be reported to Det Norske Veritas AS in order to examine whether this Certificate remains valid. Annual periodical audits will be held to verify the validity of the certificate.

*Place and date*  
Høvik, 2005-12-22  
for DET NORSKE VERITAS AS

Tore Morten Wetterhus  
Manager, MTPNO370  
Department Systems & Components



Notified Body No.: 0575

DNV local office:  
DNV Copenhagen

*This Certificate is valid until*  
2010-12-22

Jan Tore Grimsrud  
Surveyor



*Notice: The certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.*

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

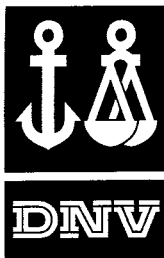


Cert. No.: **MED-D-771**  
Job Id.: 344.1-00247-1

## APPENDIX, REV. NO. 3 (PAGE 1 OF 2)

QS - Certificate of Assessment - EC, Certificate No. MED-D-771

| <i>Product designation</i>   | <i>EC Type-Examination<br/>Cert. No.</i> | <i>Expiry date</i> | <i>DNV QS<br/>Assessment<br/>Report dated</i> |
|--|--|--------------------|---|
| <b>A.1/5.13 - Inmarsat-C SES</b>   |  |                    |   |
| Thrane&Thrane TT 3020C   | QQ-MED-51/03-01                          | 2008-11-27         | 2006-10-3/4                                   |
| Thrane&Thrane TT 3028CM  | QQ-MED-52/03-01                          | 2008-11-27         | 2006-10-3/4                                   |
| Thrane&Thrane TT 3000E   | 06212002/AA/00                           | 2011-02-13         | 2006-10-3/4                                   |
| Sailor H2095C  | QQ-MED-51/03-02                          | 2008-11-08         | 2006-10-3/4                                   |
| Skanti Scansat-CT  | QQ-MED-51/03-04                          | 2008-11-08         | 2006-10-3/4                                   |
| DEBEG 3220C  | QQ-MED-51/03-03                          | 2008-11-27         | 2006-10-3/4                                   |
| <b>A.1/5.1; A.1/5.2 - VHF radio<br/>telephone with DSC</b>   |  |                    |   |
| Thrane&Thrane RT50xx   | 05212002/AA/03                           | 2010-10-31         | 2006-10-3/4                                   |
| Sailor RT4822  | QQ-MED-15/03-01                          | 2008-05-05         | 2006-10-3/4                                   |
| Norcontrol RT4822  | QQ-MED-06/05-01                          | 2008-05-05         | 2006-10-3/4                                   |
| Skanti VHF 1000 DSC  | QQ-MED-16/03-01                          | 2008-05-05         | 2006-10-3/4                                   |
| DEBEG 6322   | QQ-MED-10/05-01                          | 2008-05-05         | 2006-10-3/4                                   |
| Skanti VHF 1100 DSC  | 99212024/AA/04                           | 2009-04-26*        | 2006-10-3/4                                   |
| Sailor RT 4722   | 99212023/AA/06                           | 2009-04-26*        | 2006-10-3/4                                   |
| <b>A.1/5.1 - VHF radio installation<br/>capable of transmitting and<br/>receiving radiotelephony</b>                       |  |                    |   |
| Sailor RT4800  | QQ-MED-17/03-01                          | 2008-05-05         | 2006-10-3/4                                   |
| Skanti VHF 1000P   | QQ-MED-17/03-02                          | 2008-05-05         | 2006-10-3/4                                   |
| <b>A.1/5.17 - Portable survival craft<br/>two-way VHF radiotelephone<br/>apparatus</b>                                     |  |                    |   |
| Sailor SP3110  | QQ-MED-02/03-01                          | 2008-02-24         | 2006-10-3/4                                   |
| Norcontrol SP3110  | QQ-MED-08/05-01                          | 2008-02-24         | 2006-10-3/4                                   |
| Skanti VHF 9110  | QQ-MED-02/03-02                          | 2008-02-24         | 2006-10-3/4                                   |
| <b>A.1/5.14 - MF/ HF radio<br/>installation capable of<br/>transmitting and receiving DSC,<br/>NBDP and radiotelephony</b> |  |                    |   |
| Sailor 250W/500W HC4500  | QQ-MED-09/03-01R2                        | 2008-02-10         | 2006-10-3/4                                   |
| Raytheon 250W/500W HC4500  | QQ-MED-09/06-01                          | 2008-02-10         | 2006-10-3/4                                   |
| Norcontrol 250W/500W HC4500  | QQ-MED-07/05-01                          | 2008-02-10         | 2006-10-3/4                                   |
| Skanti type TRP 1250S/1251S  | QQ-MED-13/03-03R                         | 2008-05-13         | 2006-10-3/4                                   |
| DEBEG 3105   | QQ-MED-09/05-01                          | 2008-02-10         | 2006-10-3/4                                   |
| Skanti type TRP 1500S/1501S  | QQ-MED-13/03-02R                         | 2008-05-13         | 2006-10-3/4                                   |



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Job Id.: 344.1-00247-1

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|   |                  |             |             |
|---|------------------|-------------|-------------|
| <b>A.1/5.14; A1/5.15 - MF/ HF radio installation capable of transmitting and receiving DSC, NBDP and radiotelephony</b> |                  |             |             |
| Skanti type TRP 9500S/9501S   | QQ-MED-11/02-02  | 2008-02-24  | 2006-10-3/4 |
| Skanti TRP1150  | 02212002/AA/00   | 2007-01-08* | 2006-10-3/4 |
| DEBEG 3105B   | 02212003/AA/00   | 2007-01-08* | 2006-10-3/4 |
| Husun System 4000 MF/HF 150W  | 02212007/AA/00   | 2007-01-08* | 2006-10-3/4 |
| Sailor System 4000 MF/HF 150W   | 02212001/AA/03   | 2008-01-08* | 2006-10-3/4 |
| Sperry System 4000 MF/HF 150W   | 02212006/AA/00   | 2007-01-08* | 2006-10-3/4 |
| Norcontrol System 4000 MF/HF 150 W  | 02212005/AA/00   | 2007-01-08* | 2006-10-3/4 |
| Type RM2152   | 00212002/AA/04   | 2008-02-24* | 2006-10-3/4 |
| Skanti type TRP 9250S/9251S   | QQ-MED-11/02-01R | 2008-02-24  | 2006-10-3/4 |

*\*Note : The Expiry date is set to latest 5 years after issuing date since no expiry date is set in the module B certificate.*

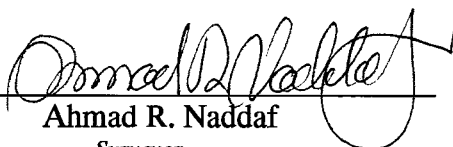
The manufacturer complies with the Council Directive 96/98/EC on Marine Equipment and is allowed to affix the Mark of Conformity followed by the DNV identification number 0575 and the two last digits of the number of the year in which the product is produced.

Example:  0575/06

The manufacturer shall issue a Declaration of Conformity for each product with reference to the EC Type-Examination Certificate and this QS - Certificate of Assessment - EC.

*Place and date*

Høvik, 2007-01-30

  
Ahmad R. Naddaf  
Surveyor

