



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.

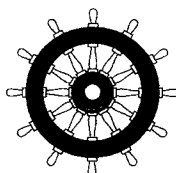
The quality system for the product, defined in Annex A.1, Item No. A.1/5.1, A.1/5.2, A.1/5.13 A.1/5.14, A.1/5.15 and A.1/5.17 has been assessed with respect to the procedure of conformity assessment described in Annex B, Module D in the directive.

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.: 344.1-000247-7

APPENDIX, REV. NO. 6 (PAGE 1 OF 2)

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

<i>Product designation</i>	<i>EC Type-Examination Cert. No.</i>	<i>Expiry date</i>	<i>DNV QS Assessment Report dated</i>
A.1/5.1; A.1/5.2 - VHF radio telephone with DSC			
Thrane&Thrane RT50xx	05212002/AA/04	2010-10-31	2008-10-07
Skanti VHF 1100 DSC	99212024/AA/04	2009-04-26*	2008-10-07
Sailor RT 4722	99212023/AA/06	2009-04-26*	2008-10-07
A.1/5.13 - Inmarsat-C SES			
Sailor-TT-3020C	QQ-MED-24/08-02	2013-11-12	2008-10-07
Thrane&Thrane TT 3020C	QQ-MED-24/08-02	2013-11-12	2008-10-07
Thrane&Thrane TT 3000E	06212002/AA/03	2011-02-13	2008-10-07
Sailor H2095C	QQ-MED-24/08-02	2013-11-12	2008-10-07
DEBEG 3220C	QQ-MED-28/08-01	2009-11-26	2008-10-07
A.1/5.14; A.1/5.15 - MF/ HF radio installation capable of transmitting and receiving DSC, NBDP and radiotelephony			
Sailor System 5000 MF/HF 150W	06212502/AA/02	2012-08-23	2008-10-07
Sailor System 5000 MF/HF 250W	06212501/AA/01	2012-08-23	2008-10-07
Sailor System 5000 MF/HF 500W	07212007/AA/00	2013-02-19	2008-10-07
A.1/5.17 - Portable survival craft two-way VHF radiotelephone apparatus			
Sailor SP3520	06212503/AA/02	2012-04-05	2008-10-07
Sailor SP3540	09212002/AA/02	2014-01-19	2008-10-07
A.1/5.19 - Inmarsat-F-SES **			
Fleet 77 TT-3084A	0812006/AA/00	2013-12-03	2008-10-07
SAM TT-3084A	0812006/AA/00	2013-12-03	2008-10-07
NAVICOM F77	0812006/AA/00	2013-12-03	2008-10-07
Tracphone F77	0812006/AA/00	2013-12-03	2008-10-07

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

*** Note: Wheelmarking of this product is not mandatory before 21 July 2009 as per Commission Directive 2008/67/EC*





Cert. No.: **MED-D-771**
Job Id.: 344.1-000247-7

APPENDIX, REV. NO. 6 (PAGE 2 OF 2)

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

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:  0575/09

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, 2009-03-18



Roger Lauritsen
Surveyor

