

# Statement

## of Opinion

No.: 09214112/AA/03

With respect to Chapter 10 of the Telecommunications Act of The Netherlands, Telefication declares that to our opinion the listed product complies with the essential requirements, in accordance with Article 3 of the Directive 1999/5/EC, as indicated under Annex 1 of this statement.

Product description: **Marine shipborne VHF radiotelephone with DSC and AIS receiver**  
Trademark: **See annex 3**  
Family name: **--**  
Type designation: **See annex 3**  
Serial No: **See annex 3**  
Hard- / Softw. release No: **60-127368-E / 2.03.0571**

Manufacturer: **Thrane & Thrane A/S**  
Address: **Porsvej 2**  
City: **9200 Aalborg**  
Country: **Denmark**

This statement is granted to:

Name: **Thrane & Thrane A/S**  
Address: **Lundtoftegaardsvej 93D**  
City: **2800 Lyngby**  
Country: **Denmark**

This statement has THREE Annexes.

Zevenaar, 20 March 2012



*W.J.M. Jong*

W.J.M. Jong  
Manager Product Certification



For each product to which this Statement of Opinion relates (see annex 3) our opinion with respect to the essential requirements is as follows:

### Article 3.1

- C (a) The protection of the health and safety of the user and other person, including the objectives with respect to safety requirements contained in Directive 73/23/EEC<sup>\*)</sup>, but with no voltage limit applying.
- C (b) The protection requirements with respect to electromagnetic compatibility contained in Directive 89/336/EEC<sup>\*)</sup>.

<sup>\*)</sup> In addition standards published under Directives 2006/95/EC, 2004/108/EC, 90/385/EEC and 93/42/EEC may have been used to demonstrate compliance with articles 3.1.a and 3.1.b of Directive 1999/5/EC.

### Article 3.2

- C The radio product shall be so constructed that it effectively uses the spectrum allocated to terrestrial/space radio communication and orbital resources so as to avoid harmful interference.

### Article 3.3

- NA (a) The product shall be so constructed that it interworks via networks with other apparatus and that it can be connected to interfaces of the appropriate type throughout the Community.
- NA (b) The product shall be so constructed that it does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service.
- NA (c) The product shall be so constructed that it incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected.
- NA (d) The product shall be so constructed that it supports certain features ensuring avoidance of fraud.
- C (e) The product shall be so constructed that it supports certain features ensuring access to emergency services.
- NA (f) The product shall be so constructed that it supports certain features in order to facilitate its use by users with a disability.

### Opinions

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this product)
- NP = Not performed (in this statement)

- The validity of this Statement of Opinion is limited to products, which are equal to the one examined in the type-examination.
- When the manufacturer (or holder of this statement) is placing the product on the European market or the countries of the EEA, the marking of this product must contain (among other elements) the Notified Body number of Telefication: 0560
- This Statement of Opinion does not imply that the product can be used in the European Union or the countries of the EEA. If the product can not be identified as 'class-1' in accordance with Commission Decision 2000/299/EC, then:
  - Placing the product on the market may be subject to notification to the national radio agencies.
  - Putting the product into service is subject to national frequency regulation and may require licencing.

### Remarks and observations

*The following conditions are applicable:*

SAILOR 6215 and 6217 include the following accessories:

SAILOR 6201 - Handset

SAILOR 6202 - Handmicrophone

SAILOR 6205 - Control Speaker Microphone

SAILOR 6209 - Connection box

SAILOR 6215 and 6217 are equipped with DSC Class D functionality according to ITU-R M.493-13 and ITU-R M.541-9.

SAILOR 6215 and 6217 incorporate a user-selectable 10dB RF-attenuator function (Local) when US-channelset is being used.

SAILOR 6217 incorporates an AIS-B receiver; received AIS-data is available at the EN61162-2 interface port (NMEA).

## Documentation lodged for this Statement of Opinion

### Test Reports:

- Nemko A/S: 177602/4, 14 July 2011
- Nemko A/S: 177602/6, 19 July 2011
- RES Laboratory Ltd.: N 01.10, 19 January 2010
- Telefication B.V.: 20093484201, 28 February 2010
- Telefication B.V.: 20093484300, 16 February 2010
- Telefication B.V.: 20093484303, 16 December 2009
- Telefication B.V.: 20093484308, 17 February 2010
- Telefication B.V.: 20093484500, 14 October 2009
- Telefication B.V.: 20103537200, 14 July 2010
- Telefication B.V.: 20103537300, 14 July 2010
- Telefication B.V.: 20103537400, 14 July 2010
- Thrane & Thrane A/S: N 01.10, 15 March 2012

### Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Photos
- User manual
- Installation manual

## Technical Standards and Specifications

*The following standards have been used in full or part to cover the essential requirements:*

- |                          |                |           |
|--------------------------|----------------|-----------|
| - EN 300 338-1           | February 2010  | V1.3.1.   |
| - EN 300 338-3           | February 2010  | V1.1.1    |
| - EN 300 698-2           | December 2009  | V1.2.1    |
| - EN 300 698-3           | December 2009  | V1.2.1    |
| - EN 301 025-2           | September 2010 | V1.4.1    |
| - EN 301 025-3           | September 2010 | V1.4.1    |
| - EN 60945               | October 2002   | Edition 4 |
| - EN 60945/Corrigendum 1 | April 2008     | Edition 4 |
| - EN 60950-1             | 2006           |           |
| - EN 61162-1             | April 2008     |           |

### **Technical features and characteristics**

*The product includes the following features and characteristics:*

VHF equipment:

- Operating frequency range: TX: 156.0 - 161.45 MHz; RX: 156.0 - 162.0 MHz
- Maximum output power: 25W / 1W rated
- Modulation method(s): 16K0G3E; 8K00G3E; 16K0G2B
- 25 kHz and 12.5 kHz channels
- DSC class D; ATIS (inland waterways channelset)
- AIS receiver (SAILOR 6217)

*The product as described in this Statement of Opinion includes the following type designations:*

Product description: Marine shipborne VHF radiotelephone with DSC and AIS receiver  
Type designation: 6217  
Trademark: SAILOR  
Serial No: --  
Hard- / Softw. release No: 60-127368-E / 2.03.0571

Product description: Marine shipborne VHF radiotelephone with DSC  
Type designation: 6215  
Trademark: SAILOR  
Serial No: --  
Hard- / Softw. release No: 60-127368-D / 2.03.0571