

# EU Type Examination Certificate

Certificate No: DK-RED000203 i02

**Certificate Holder:**

SRT Marine Systems plc  
Wireless House  
Westfield Industrial Estate  
Midsomer Norton  
Bath, Somerset BA3 4BS  
UNITED KINGDOM

**Product Type:**

Marine Radio Equipment  
AIS Aid to Navigation (AtoN) Station Type 1 & 3

**Model(s):**

TR-418-0001  
TRS-418-0003  
TR-418-0009  
TRS-418-0010

We, as Notified Body number 2443, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination.

**Essential Requirements:**

Article 3.2 in respect of the use of Radio Spectrum  
Article 3.3 in respect of certain categories or classes

This is based upon examination of the following Technical Data file. Please refer to the Annex for further technical details.

**Technical Documentation:**

Carbon RED TCF Index v1

**Valid from:**

2020-02-24



( Thomas Twynam )

**Total pages:** Page 1 of 3

The certificate has been issued in accordance with the Certification Regulations of TÜV SÜD Danmark (Notified Body Number 2443) and constitutes page 1 of the combined Certificate and Annex.

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the Annex.

For further details related to this certification please contact [BABT@tuv-sud.co.uk](mailto:BABT@tuv-sud.co.uk)

Issued by TÜV SÜD Danmark under document number: REDK6 078841 0049 Rev. 00

TÜV SÜD Danmark • Tuborg Boulevard 12.3 • 2900 Hellerup • Denmark

# Annex to EU-Type Examination Certificate



Danmark

## 1 Equipment Description

AIS Aid to Navigation

### 1.1 Models

	Model	HW Version	SW Version
Original	TR-418-0001	V24	080200.04
Variant	TRS-418-0003	V24	080200.04
Variant	TR-418-0009	V24	080200.04
Variant	TRS-418-0010	V24	080200.04

### 1.2 Supported Functions and Features

#### 1.2.1 Non-radio features

Data ports: USB, RS232, RS422, NMEA0183 / IEC61162 / RS422, SDI-12

#### 1.2.2 Radio features

Radio	Features	Operating Spectrum / Power	
VHF GMSK	AIS transceiver	156.025 – 162.025 MHz	1.0 – 12.5 W
GNSS (GPS/GLONASS)	-	1559 - 1610 MHz	Receive only

### 1.3 Associated Parts

Model/Part Number	Description
194-0008	Mounting bracket
301-0073	Power / data cable

## 2 Assessed Standards

Article 3.2	Article 3.3
EN 303 413 V1.1.1 IEC 62320-2:2016	IEC 61108-1:2003 IEC 62320-2:2016

# Annex to EU-Type Examination Certificate

## 3 Technical Documentation

### 3.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

### 3.2 Declarations

Carbon - Document of Conformity V2	Dated	2020-02-04
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### 3.3 Strategic Documentation

Carbon RED Compliance Strategy V2	Issued	2020-02-04
Carbon Risk Register v2	Issued	2017-09-07
Carbon Product Version Register v1	Issued	2017-05-20

### 3.4 Technical Compliance Documentation

#### 3.4.1 Article 3.2

75917597 Report 06 Issue 1	Issued	2012-11-09
75917597 Report 10 Issue 3	Issued	2013-03-06
BSH/46162/4322093/13-2	Issued	2013-03-13
ETSI EN 303 413 Conformance Test Report	Issued	2017-06-20
17-1-0089101T03a	Issued	2017-06-20
BSH/4542/002/4323141/17-1	Issued	2017-08-09
17R561 ER Issue 1	Issued	2017-11-16

#### 3.4.2 Article 3.3

BSH/46121/4142324/12	Issued	2012-08-03
75917597 Report 02 Issue 1	Issued	2012-08-31
75917597 Report 01 Issue 1	Issued	2012-10-26
4291 Issue 2	Issued	2012-11-19

## 4 Additional Information

None

## 5 Conditions of Validity

None

Signature: T. J. Tynan

Date: 2020-02-24

On behalf of TÜV SÜD Danmark