



Danmark

Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TÜV SÜD DANMARK ApS did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

Implementing Regulation	(EU)2023/1667
Certificate Holder and Manufacturer	Jotron AS Ringdalskogen 8 3270 Larvik Norway
Product(s)	87950 - Tron TR30 GMDSS and Maritime VHF Radio 83446 - Tron TR30 GMDSS JHS-207 Two-way VHF Radiotelephone (JHS-207M package) JHS-207 Two-way VHF Radiotelephone (JHS-207G package)
Product Sector	Radiocommunications Equipment
Product Type	MED/5.17 Portable Survival Craft Two-way VHF Radiotelephone Apparatus

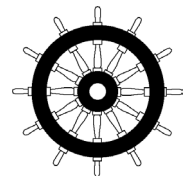
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 17 October 2023

(Michael Bower)

Expiry Date: 02 October 2027

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations and constitutes page 1 of the combined Certificate and Annex.
The Conditions for the validity of this certificate are listed in the Annex.
For further details, related to this certification please contact BABT@tuvsud.com

**2443**

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1 Equipment Description

Portable survival craft two-way VHF radiotelephone apparatus

1.1 Models

Model
87950 - Tron TR30 GMDSS and Maritime VHF Radio 83446 - Tron TR30 GMDSS JHS-207M - JHS-207 Two-way VHF Radiotelephone (JHS-207M package) JHS-207G - JHS-207 Two-way VHF Radiotelephone (JHS-207G package)

1.2 Main Components

Jotron Part No.	JRC Model No.	Description
87950	JHS-207M	Tron TR30 GMDSS and Maritime VHF Radio
83446	JHS-207G	Tron TR30 GMDSS
101035	NBB-789	TR30 Emergency GMDSS Battery
101036	NBB-748	TR30 Rechargeable LiPo Battery
102918	7ABJD0009	TR30 Antenna
101037	NJD101037	TR30 Battery Charger RCH-30
101038	NJD101038	TR30 Switching Power Supply
101034	7ZXJD0185	Belt Clip & Wrist Strap

1.2.1 Optional Components

Jotron Part No.	JRC Model No.	Description
101710	NBB-788	TR30 Test Battery
81341	7UMJD0021	TR30 Speaker Microphone
89449	7ZZJD0128	TR30 Carry case
103000	NJD103000	Peltor Basic Headset with Headband
19601	NJD19601	TR30 Headset Push to talk module

1.3 Software

Version	Description
V3.3.x	Radio Software

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2 Assessed Requirements

2.1 Implementing Regulation (EU)2023/1667

2.2 Compliance Requirements for MED/5.17

Performance Requirements	International Testing Standards	
IMO Res. A.694(17) IMO Res. A.809(19) IMO Res. MSC.149(77) IMO Res. MSC.515(105) ITU-R M.489-2	IEC 60945:2002 incl. IEC 60945 Corr.1:2008	Maritime navigation and radiocommunication equipment and systems — General requirements
	IEC 61097-12:1996 + A1:2017	Global maritime distress and safety system (GMDSS) – Part 12: Survival craft portable two-way VHF radiotelephone apparatus – Operational and performance requirements

3 Technical Documentation

3.1 Declaration of Conformity

11.10.2023_v.37_TronTR30GMDSS and Maritime VHF Radio DoC Dated 2023-10-11

3.2 User Guide

Tron TR30 User Manual v.B Modified 2018-02-27
JHS-207 Instruction Manual, 7ZPJD0793 Edition 1 Dated 2020-04-02

3.3 Test Reports

3.3.1 IEC 60945:2002 inc. Corr.1:2008

75933035 Report 09 Dated 2016-10-03
75933035 Report 01 Dated 2016-10-05
75933035 Report 07 Dated 2016-10-03
75933035 Report 11 Dated 2016-10-20

3.3.2 IEC 61097-12: 1996 +A1:2017

75933035 Report 07 Dated 2016-10-03
75933035 Report 11 Dated 2016-10-20
75933035 Report 01 Dated 2016-10-05
75933035 Report 02 Dated 2016-11-28
REP017056 Issued 2023-10-03

3.4 Build Status

3.4.1 Hardware

Battery charger-87090R1804-E Dated 2014-07-23
Battery PCB1-87671R1415-E Dated 2013-05-16
Battery PCB2-87672R1851-E Dated 2016-10-27
Mainboard-TR30-87082R1739-E Dated 2012-04-26
87081_Mainboard_TR30GMDSS 210818-110927 Dated 2021-08-18
87084_FrontModule_TronTR30GMDSS 210818-111810 Dated 2021-08-18
87085_MainModule_TronTR30GMDSS 210818-111856 Dated 2021-08-18
87086_TronTR30EmergencyGMDSSbattery 210818-111928 Dated 2021-08-18
87087_TronTR30RechargeableLiPo1550mAh 210818-111956 Dated 2021-08-18
87089_RCH30_Mainboard 210818-112329 Dated 2021-08-18
87101_TronTR30GMDSSAssembly 210818-112444 Dated 2021-08-18
87685_RCH_30BatteryCharger 210818-112527 Dated 2021-08-18
87950_TronTR30GMDSSandMaritimeVHFRadio 210818-112551 Dated 2021-08-18



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3.4.2 Notes

Note 1 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.
Where “x” represents minor revisions to software which have no impact on product compliance.

4 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

Should the specified regulations (internal conventions and the relevant resolutions and circulars of the IMO) or standards be amended and enforced through an Implementing Regulation during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or onboard vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of Annex B of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature:

(Michael Bower)

Date:

17/10/2023

On behalf of TÜV SÜD DANMARK ApS