



UK Approved Body Authorised
by the MCA



Marine Equipment UK Assessment Module B Type Examination Certificate

This is to certify that TUV SUD BABT UNLIMITED did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, under Annex 1 of the listed Amendment of MSN 1874 for the types of equipment identified.

MSN 1874 Amendment	Amendment 6
Certificate Holder and Manufacturer	Jotron AS Ringdalskogen 8 3270 Larvik Norway
Product(s)	Tron AIS-SART
Product Sector	Navigation equipment
Product Type	UK/4.55 Search and rescue locating devices (SRLD): AIS SART equipment

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

Valid from: 28 November 2022 (Signature)

M Hardy

Expiry Date: 21 November 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



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Annex to Marine Equipment UK Conformity Assessment Module B Type Examination Certificate

1 Equipment Description

AIS SART equipment

1.1 Models

Model
Tron AIS-SART

1.1.1 System Components

Model	Description
X-85037	Tron AIS-SART
X-82615	Battery SART20/AIS-SART 5 Year Maint.kit
M-82749	Wall Bracket

1.2 Software

Identity	Description
01.01.xx	Tron AIS-SART

2 Assessed Requirements

2.1 MSN 1874 Amendment 6 Annex 1

2.2 Compliance Requirements for UK/4.55

IMO Resolutions	International Testing Standards	
Resolution A694(17)	IEC 60945:2002 inc. Corr.1:2008	General Requirements for Marine Navigation Equipment
IMO Res.MSC.246(83)	IEC 61097-14:2010	Global maritime distress and safety system (GMDSS) - Part 14: AIS Search and Rescue Transmitter (AIS-SART) - Operational and performance requirements, methods of testing and required test results
ITU-RM.1371-5:2014		

3 Technical Documentation

3.1 Declaration of Conformity

DRAFT_15.11.2022_v.25_Trone AIS-SART_DoC Modified 2022-11-15

3.2 User Guide

Tron AIS-SART AIS Transmitter User Manual 85355 Rev. H Dated 2021-12-21

Annex to Marine Equipment UK Conformity Assessment Module B Type Examination Certificate

3.3 Test Reports

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

126928/03	Dated	2009-11-09
Jotron Test report Tron AIS-SART	Dated	2009-07-06
Waiver of solar, oil and water	Dated	2009-08-22
Statement Tron AIS-SART - IEC 60945 § 6	Dated	2022-11-25

3.3.2 IEC 61097-14:2010

BSH/4615/4361270/09/S3140	Dated	2009-12-08
126928/03	Dated	2009-11-09
BSH/4543/001/4142886/15	Dated	2015-01-26

3.4 Build Status

3.4.1 Hardware

ais-sart-blockdiagram X-84201	Dated	2009-07-06
Mainboard Tron AIS SART – 84201	Dated	2006-04-05
KP-BTM-84202r1006	Dated	2007-08-10
KP-TOP-84202r1006	Dated	2007-08-10
84201SMDMainboardTronAISSART 221027-123301	Modified	2022-10-27

3.5 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.

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 TUV SUD BABT or a person appointed by TUV SUD BABT to perform that role.

Should the specified regulations (international conventions and the relevant resolutions and circulars of the IMO) or standards be amended and enforced through MSN 1874 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 Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body.

Signature:

M Hardy
(M. J. Hardy)

Date:

28/11/2022

On behalf of TUV SUD BABT UNLIMITED