



Certificate No: MED-B-16511
File No: 404999
Rev. 01
MED/5.6

EC TYPE EXAMINATION CERTIFICATE

MED-B-16511

In compliance with Module B of Council Directive 2014/90/EU of the European Parliament and included the Implementing Regulation (EU) 2020/1170 of 16 July 2020, this certificate is issued to the manufacturer:

Jotron AS
Ringdalskogen 8
NO-3270 Larvik, Norway

And applies to the product

406 MHz EPIRB (COSPAS-SARSAT)
Tron 40S MKII

This certificate attest that provisions according to type examination requirements given in

SOLAS 74/2009 Reg. IV/7 ,IV/14
SOLAS 74/2009 Reg. X/3
IMO Res.A.662(16)
IMO Res.A.694(17)
IMO Res.A.696(17)
IMO Res.A.810(19) with amd MSC56(66) and MSC 120 (74)
IMO Res.MSC.36(63)-(1994 HSC Code) 14
IMO Res.MSC.97(73)-(2000 HSC Code) 14
IMO MSC/Circ.862
IMO COMSAR Circ.32
ITU-R M.633-4 (12/10)
ITU-R M.690-3 (03/15)

IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008)
IEC 61097-2 (2008)
EN 300 066 V1.3.1
IMO MSC/Circ. 862
Note: IMO MSC/Circ. 862 is applicable only to the optional remote activation device, not to the EPIRB itself.

This certificate replaces certificate no MED-B-16511 Rev. 00, which is revoked

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to and agreed upon with Nemko. Software changes and updates: - See Product description in the Annex. Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to them being placed on board vessels to which the amended regulations or standards apply.

The attached Schedule of Approval forms part of this certificate. The certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Oslo, 2020-10-23

Date of expiry: 2021-12-28

Notified Body Id. no. 0470
Nemko AS
Philip Pedersens vei 11,
1366 Lysaker, Norway

Roy Uggerud
Nemko AS



Annex I to EC Type-Examination Certificate, No. MED-B-16511

SCHEDULE OF APPROVAL

Product description

Float-free GMDSS EPIRB

Tron 40S MKII Software version: 2.1

Minor software changes, represented by increasing the last digit of the core revision number, are given with a notification to Nemko.

Major software changes, represented by increasing the first digit of the core revision number, must be recorded and documentation must be provided to Nemko for review and acceptance before implementation.

The EC Type-Examination Certificate covers the products listed below

Item	Type	Designation	Manufacturer
1	Main Unit	Tron 40S MkII - 406 MHz EPIRB (COSPAS-SARSAT)	Jotron A/S
2	FB-42 bracket	FB-42 - Float free bracket with automatic release	Jotron A/S
3	FBH-42 bracket	FBH-42 - Float free bracket with automatic release and heating	Jotron A/S
4	FB-4 bracket	FB-4 - Float free bracket with automatic release	Jotron A/S
5	FBH-4 bracket	FBH-4 - Float free bracket with automatic release and heating	Jotron A/S
6	FB-6 bracket	Float free bracket with automatic release and protective cover	Jotron A/S
7	Battery module	LSH14L Lithium-Thionyl Chloride (Li-SOCL ₂), 4xC-Size	Jotron A/S

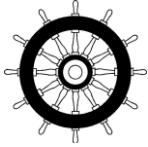
The approval documentation

Document	Document no.	Rev.	Do.
Manual, Jotron AS: User Manual, Tron 40S	82819_UM_40SMkII_J	J	001
Manual, Jotron AS: Technical Manual, Tron 40S	82820_TM_40SGPSMkII_C	C	002
Documents, Jotron AS: Principle Diagrams, Block Diagrams, Circuit Diagrams, Part/Component list, Label layouts	---	---	003
Report TUV SUD: Test report 75900217	75900217 Report 01	Issue 3	004
Report TUV SUD: Test report 75900217	75900217 Report 03	Issue 3	005
Report TUV SUD: Test report 75900217	75900217 Report 04	Issue 2	006
Report, Jotron AS: Jotron test report, supervised testing by Nemko AS, extreme temperature test	---	12.09.07	007
Report, Nemko AS: Test report, drop test	E16264.00	00	008
Report, Nemko AS: Environmental testing Float free bracket FB-42, FBH-42 for COSPAS-SARSAT EPIRB	E20137.03	03	009
Report, Nemko AS: Performance Test Plan EPIRB mounting bracket_Jotron	Performance Test Plan EPIRB mounting bracket_Jotron_404999	00	010
Statement, Jotron AS: 05102020.00_Waiver_FB-42_FBH-42.pdf	05102020.00_Waiver_FB-42_FBH-42	05.10.2020	011
Statement, Jotron AS: 21102020_Staement_Tron40SMkII.pdf	21102020_Staement_Tron40SMkII	21.10.2020	012



Limitations/restrictions

None.



"The Mark of Conformity" (i.e. the Wheel mark) 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 (Production Quality Assurance), E (Product Quality Assurance), or F (Product Verification), of Annex B of the Directive (MED) is fully complied with and controlled by a written inspection agreement with a notified body."

----- End of certificate -----