

EC TYPE EXAMINATION CERTIFICATE

MED-B-15192

In compliance with Module B of Council Directive 2014/90/EU of the European Parliament and included the Implementing Regulation (EU) 2019/1397 of 6 August 2019, 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 60S/TRON 60GPS

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

SOLAS 74/2009 Reg. IV/7
SOLAS 74/2009 Reg. 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)
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)

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-15192 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, 2020-03-04

Date of expiry: 2025-03-03

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-15192

SCHEDULE OF APPROVAL

Product description

Cospas-Sarsat Emergency EPIRB

Any limitations on the acceptance or use of the product or specific requirements

Jotron TRON 60S/TRON 60GPS to be used on vessels and life rafts in the maritime service

TRON 60S/TRON 60GPS software version: 1.04

Minor software changes, represented by increasing the last 2 digits 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	Comment
1	TRON 60S/TRON 60GPS	– 406 MHz EPIRB (COSPAS-SARSAT)	Jotron A/S	
2	Energizer L91	Battery module, Lithium/Iron Disulfide (Li/FeS ₂) battery	Jotron A/S	
3	Module 83057	Software module	Jotron A/S	
4	FB-60	Automatic float free bracket	Jotron A/S	
5	MB-60	Manual bracket	Jotron A/S	

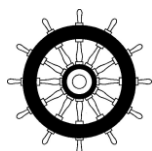
Trademarks

Products covered by this certificate are Jotron and OEM variants. Jotron variants are identified by the designation of TRON or Jotron followed a description.

Jotron: TRON 60S/TRON 60GPS – 406 MHz EPIRB (COSPAS-SARSAT)

Type approval documentation

Document	Document no.	Rev.	Do.
Manual, Jotron AS: User Manual_UM_60GPS_E	83080	L	001
Manual, Jotron AS: Technical Manual_TM_60S_GPS_A	85866	13.01.2012	002
Principle Diagrams, Jotron AS: Block Diagrams, Circuit Diagrams, Part/Component list, Label layouts	---	---	003
Report, Omega: TEST REPORT No. 11/11 Issue 1, IEC 61097-2 (2008), IEC 60945 (2002) and RTCM 11000.2 (2002).	No. 11/11	4 Jan. 2012	004
Report, Omega: TEST REPORT No. 11/10 , COSPAS-SARSAT EPIRB Type Approval TRON 60S	No. 11/10	14 Des. 2011	005
Report, Omega: TEST REPORT No. 11/9 , COSPAS-SARSAT EPIRB Type Approval TRON 60GPS	No. 11/9	14 Des. 2011	006
Certificate, COSPAS-SARSAT: Type Approval Certificate	no. 222	2. Jan. 2012	007
Statement, Jotron: Statement MED-B and MED D Certification	---	27.03.12	008



"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 -----