



EC Type-Examination Certificate

N°. MED-B-13273

This is to certify that Nemko AS did undertake the relevant Type Approval Procedures for the product identified below

The product

406 MHz EPIRB (COSPAS-SARSAT)

Designated

**TRON 60S/TRON 60GPS
and
SIMRAD EP70EPIRB/SIMRAD EG70 EPIRB**

Manufactured by

Jotron AS

Address

Østbyveien 1, P.O.Box 54, NO-3280, Tjodalyng, Norway

which was found to be in compliance with the requirements of the Navigation equipment of the Marine Equipment Directive (MED) 96/98/EC, as amended, last amended by Directive 2011/75/EU of 2 September 2011, subject to any conditions in the schedule of approval attached hereto. This product also fulfills the requirements of Directive 2012/32/EU of 25 October 2012, which will enter into force 30 November 2013 – see note on limitations in Annex.

Specified regulations and standards:

Module B of the Directive. Solas 74 as amended Reg. IV/7, 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.633-3 (05/04), ITU-R M.690-1 (10/95). IEC 60945 ed.4:2002 incl. corr.1 2008, IEC 61097-2(2008)
Note: IMO MSC/Circ.862 is applicable to the optional remote activation device, not to the EPIRB itself.

This certificate replaces certificate NO. MED-B-13234, 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. Before any software changes are implemented, the changes must be recorded and documentation must be provided to Nemko for review and acceptance. Major software changes must be approved by Nemko prior to any implementation. 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.

Place and date of issue: Oslo 02 July, 2013

Issued by: Nemko AS, Notified Body EU Id # 0470

Date of expiry: 02 July, 2018

Signed:

This certificate consists of 2 pages

Name: Roy Uggerud, Authorized Signatory

SCHEDULE OF APPROVAL

Product description

- Main unit(s): Jotron TRON 60S/TRON 60GPS – 406 MHz EPIRB (COSPAS-SARSAT)
- Battery module - Energizer L91, Lithium/Iron Disulfide (Li/FeS_2) battery
- Software module (Module 83057) – SW v.1.04
- FB-60 – automatic float free bracket
- MB-60 – manual bracket

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
- With regards to the Directive 2012/32/EC, the manufacturer cannot issue a Declaration of Conformity with reference to this directive before 30 November 2013, subject to any national delays in the implementation of the Directive.

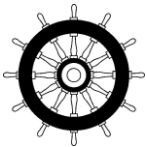
The approval documentation

- Jotron AS – User Manual, 83080_UM_60GPS_E, rev 10.11.2011
- Jotron AS – Technical Manual, 85866_TM_60S_GPS_A, rev. 13.01.12
- Jotron AS – Principle Diagrams, Block Diagrams, Circuit Diagrams, Part/Component list, Label layouts
- Omega – TEST REPORT No. 11/11 Issue 1, 4 January, 2012. IEC 61097-2 (2008), IEC 60945 (2002) and RTCM 11000.2 (2002).
- COSPAS-SARSAT – Type Approval Certificate, no. 222, dated 2. January 2012
- Jotron AS – Statement MED-B and MED D Certification, dated 27.03.12

Alternative approval documentation for SIMRAD SIMRAD EP70EPIRB/SIMRAD EG70 EPIRB

- Navico/SIMRAD – 000-10741-001 Users Manual, EP70/EG70.

Limitations/restrictions



"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 -----