



# EC TYPE EXAMINATION CERTIFICATE

## MED-B-16251

In compliance with Module B of Council Directive 2014/90/EU of the European Parliament and included the Council Regulation (EU) 2021/1158 of 22 June 2021, 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 40VDR**

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)  
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-16251, 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, 2021-08-30

Date of expiry: 2026-08-29

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-16251 Rev 01**

**SCHEDULE OF APPROVAL**

**Product description**

Float-free GMDSS EPIRB with memory for VDR data

Tron 40 VDR      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 40 VDR - 406 MHz EPIRB (COSPAS-SARSAT)	Jotron A/S
2	Software module	Module 87934	Jotron A/S
3	Storage module	VDR Storage Module 87911	Jotron A/S
4	Mounting bracket	FB-40 – Float free bracket with automatic release	Jotron A/S
5	Mounting bracket	FBH-40 – Float free bracket with automatic release and heating	Jotron A/S
6	Battery module	LSH14 light - Lithium-Thionyl Chloride (Li-SOCL2)	Jotron A/S

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

Jotron TRON 40VDR to be used on vessels and life rafts in the maritime service

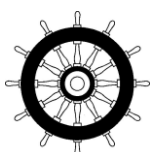
**The approval documentation**

Document	Document no.	Rev.	Do.
Manual, Jotron AS: User-Manual-Tron40VDR_v.G	87940	G	001
Documents, Jotron AS: Principle Diagrams, Block Diagrams, Circuit Diagrams, Part/Component list, Label layouts	---	---	002
Report, Nemko AS: Test report, IEC 60945 (2002) and IEC 61097-2 (2008)	E13261.03	03	003
Report, Nemko AS: Test report, EN 60945 (2002), partial testing	E16049.00	01	004
Report TUV: Test report COSPAS-SARSAT	75924802 report 01	Issue 1	005
Statement, Jotron: Statement Tron 40VDR-ITUR M.690-3_03_15	23082021_00	---	006

**Additional information**

The equipment also fulfils relevant requirement for ship borne voyage data recorder for IEC 61996-1 (2013) regarding data storage.

Test report by Nemko AS E13261.03 for relevant parts of IEC 61996-1 (2013)



"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 -----