



中国船级社  
CHINA CLASSIFICATION SOCIETY

证书格式号/Form: T01.00-  
FS000011

型式认可证书  
CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. GB05T00003\_03

兹证明本证书所述制造厂生产的下列产品能够满足下面列明认可标准的要求。

This is to certify that the following products produced by the manufacturer stated in the certificate can meet the requirements of the approval standards listed below.

认可产品/Product Approved

应急无线电示位标

EPIRB

制造厂/Manufacturer

Jotron Electronics AS

Jotron Electronics AS

P. O. Box85 N-3280, Tjodalving, Norway  
P.O.Box85 N-3280, Tjodalving, Norway

认可标准/Approval Standard

- IMO A.810(19)  
IMO A.810(19)
- 中华人民共和国船舶检验局《船舶与海上设施法定检验规则》(1999)  
ZC《Regulations for the Statutory Survey of Ships and Offshore Installations》(1999)
- IEC60945  
IEC60945

证书有效期至/This Certificate is valid until

2009年5月14日 / May. 14, 2009

发证机构  
Issued by 中国船级社哥德堡办事处  
CCS Gothenburg Office

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本证书根据中国船级社《产品检验规则》及有关程序规定签发。关于证书的有关规定见本证书背面的说明。当证书包括多页时，则所有证书页为一个整体，必须同时使用。每一页证书均须由本社盖章方为有效。证书复印件无效。任何单位和个人均不应删减或节选本证书的任何内容。本证书只对社会对实物产品质量的最终确认。有关各方对所持证书的真实性有疑问时，可以向本社检验机构咨询。  
This Certificate is issued pursuant to the Regulations for Survey of Marine Products and related procedures of the Society. Refer to the back of the certificate for detailed requirements of the certificate. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No part of the pages is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by anyone. This approval certificate does not constitute the final confirmation of the Society about the quality of the actual product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



GB72208386

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第1页 共2页 / Page 1 of 2

产品明细/Product Description

应急无线电示位标/EP1RB

型号/Model

: TRON 45S/SX

频率/Frequency

: 406.025MHz and 121.5MHz

输出功率/Output power

: 5W(406.025MHz) and 75mW  
(121.5MHz)

电池/Battery

: Internal Lithium Battery

生产厂家/Manufacturer

: Jotron Electronics AS

批准的图纸和设计计算书/ Approved Drawings and Design Calculations

图纸批准号/ Drawings Approval No.

: GB05T00003

图纸或技术文件编号/ No. of Drawings and/or Technical Documents

: HBT01430032-5 QQ-MED-26/04-01

产品认可试验报告/Approval Test Report

产品适用范围/Application of the Product

The product is only installed on vessels which are unnecessary to install GMDSS equipments.

认可保持条件/ Maintenance Requirements of Approval

型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批, 并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

认可后的产品检验方式/ Method of product inspection after works approval

认可后检验方式定为: 不定期检验。由工厂提交产品的检验、试验记录和报告, 本社检验人员审核, 认为结果满意后颁发产品证书或签署等效证明文件, 并由工厂在本社授权下在合格的相关产品上使用本社检验标志。除上述发证程序外, 本社检验人员可在认为必要时到工厂对产品进行检验。

The method of Irregular Inspection is used for products after works approval. Upon completion or prior to the delivery of each piece or batch of products, the manufacturer is to provide the Local Survey Unit of CCS with the inspection and test reports (records). After satisfactory review, the surveyor is to issue product certificate.

In addition, the surveyor may visit the manufacturer to inspect the products when necessary.

其他/ Others

Note:

1, This certificate no. GB05T00003\_03 replaces certificate no. HBT01430032-5.

2, Label shows expiry date on battery, and the Tron 45S battery is capable of operation more than 24Hr, the Tron 45SX battery is capable of operation more than 48Hr.

3, The products are to be mounted in manual release bracket, and them comply with annex 1 of IMO A.810(19) except clause 2.2, so no GMDSS equipments.



\*\*\*\*\*本证书正文完/ End of Text\*\*\*\*\*