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国船级社

证书格式号/Form: T01.01-

HB000114

CHINA CLASSIFICATION SOCIETY

型式认可证书

证书编号/Certificate No. GZ11T00030

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

AIS-B型自动识别系统

AIS-B Type AUTOMATIC IDENTIFICATION SYSTEM

自动识别系统

AUTOMATIC IDENTIFICATION SYSTEM

制造厂/Manufacturer

深圳市中科海信科技有限公司

Shenzhen ZKHX Science & Technology Co., Ltd.

深圳市龙岗区横岗街道六约社区深竹第二工业区G栋401、402

401,402, Building G, Shenzhu the 2nd Industrial Zone, Liuyue Community, Henggang, Longgang District, Shenzhen, China

认可标准/ Approval Standard

1.IEC 60945(2002)《船用航行和无线电通信设备及系统 - 通用要求 - 试验方法和试验结果的要求》

IEC 60945(2002) Maritime navigation and radiocommunication equipment and systems - General requirements -Methods of testing and required test results

2.IEC 62287-1(2010) 《船用航行和无线电通信设备及系统 - B类船舶自动识别系统 - 第1部分: CSTDMA技术》

IEC 62287-1(2010) Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system(AIS) - Part 1:Carrier-sense time division multiple access(CSTDMA) techniques 3.CCS批准的图纸

Drawings Approved by CCS

4.船载B级自动识别系统设备技术要求(SOTDMA)

Technical requirements for Class-B shipborne automatic identification system

证书有效期至/ This Certificate is valid until

2015年7月17日 / Jul. 17, 2015

中国船级社广州分社 发证机构

签发日期

2011年7月18日

Issued by CCS Guangzhou Branch

Jul. 18, 2011

本证书根据中国船级社《铜质海船入级规范》及有关程序规定签发。关于证书的有关规定见本证书页背面的说明。当本证书包括多页纸张时,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摘录或节选本证书的部分内容。本认可证书不代表本社对个体产品质量的检验。有关各方对所持证书的真实性有疑问时,可以向我社检验机构咨询。
This Certificate is issued pursuant to the Rules for Classification of Sea-going Steel Ships and related procedures of the Society. Refer to the back of the certificate 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 certificate page 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 any unit or individual in any form. This approval certificate does not constitute the inspection of the Society about the quality of the unit/batch product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



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产品明细/ Product Description

自动识别系统/AUTOMATIC IDENTIFICATION SYSTEM

产品型号/Model : AIS-B 等级/Class : Class B 电源/Power supply : DC 24 V

电源/Power supply : DC 24 V 工作频率/Frequency : 161.975 MHz, 162.025 MHz 带宽/Bandwidth : 25 KHz

输出功率/Output Power : 2 W(33 dBm±1.5 dB)

AIS 发射频道/频率/TX Channel/Frequency : AIS信道A:161975 kHz; AIS信道B:162025 kHz | AIS Channel A:161975 kHz; AIS Channel

B:162025 kHz

AIS 接收频道/频率/RX Channel/Frequency : CH87/161975 kHz, CH88/162025 kHz

DSC接收频率/DSC receiver Frequency : CH70 156525 kHz

DSC接收机/DSC Receiver : 采用时分复用的方式,工作频率 156.525 MHz | use the receiving resources on a time-share, Frequency: 156.525 MHz

显示器/Display : 10吋液晶显示 | 10 LCD

GNSS接收机/GNSS Receiver : 采用WGS-84基准 | Use the WGS-84

datum

系统组成/The system consisting of : 1个发射机、2个TDMA接收机,1个DSC 接收机,1台内部GNSS位置检测器 | 1

Transmitter, 2 TDMA Receivers, 1 DSC Reveiver, 1 Internal GNSS

Position sensor

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

图纸批准号/ Drawings Approval No. : GZ11A00057

产品认可试验报告/Approval Test Report

试验报告编号/Test Report No. : WTS2011-2379-1, 2, 3

试验报告日期/Test Report Date : 2011-07-07

试验单位/Laboratory : 广州威凯检测技术研究院

Guangzhou Vkan certification & Testing Institute

试验单位地址/Test Address : 广东省广州市科学城开泰大道天泰一路3号

No. 3 Tiantaiyi Road, Kaitai Avenue, Science City,

Guangzhou

试验报告编号/Test Report No. : A11-063-ZC 试验报告日期/Test Report Date : 2011-07-05

试验单位/Laboratory : 上海仪器仪表自控系统检验测试所

Shanghai Inspection and Testing Institute of

Instruments and Automatic Systems

试验单位地址/ Test Address : 上海市漕宝路103号

103, Cao Bao Road, Shanghai

试验报告编号/Test Report No. : ZH11A001 试验报告日期/Test Report Date : 2011-07-06

试验单位/Laboratory : 深圳市中科海信科技有限公司

Shenzhen ZKHX Science & Technology Co., Ltd

试验单位地址/ Test Address : 深圳市龙岗区横岗街道六约社区深竹第二工业区G栋401、402

401,402, Building G, Shenzhu the 2nd Industrial Zone, Liuyue Community, Henggang, Longgang District,

Shenzhen, China

产品适用范围/Application of the Product

国内航行船/For Domestic Voyage

认可保持条件/ Maintenance Requirements of Approval

1.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.

2. 工厂的专业质量管理体系应保持有效运行,并且与认可时一致。如果质量管理体系发生改变,应经原体系认证机构

 工厂的专业质量管理体系应保持有效运行,并且与认可时一致。如果质量管理体系发生改变,应经原体系认证机构 审核并报本社批准。

The professional quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内,如果出现可能导致本社取消认可的情况,工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner. 4. 在认可证书有效期内,本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核,以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

认可后的产品检验方式/ Method of Product Inspection after Approval

按照规范每批抽样检验的产品/The product inspected by sampling in term of the rules:

认可后的产品检验应由本社验船师根据本社规范规定每批抽样按批准的产品检验计划进行检验,经检验合格后由本社 颁发产品证书。

After approval, product inspection should be carried out by sampling by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Product Certificate will be issued by the Society upon satisfactory inspection.

对于原材料和零部件的检验要求/ Inspection Requirements for Materials and Components

产品如下原材料和零部件的制造厂清单,经本社批准方可变更/The list of manufacturer for the following materials and components of the product should not be changed without the Society's approval: 外壳/Shell、AIS板/AIS plate、CPU板/CPU plate、液晶显示屏/LCD Monitor

责任声明/Statement of Responsibility

本社的认可不影响、替代与本社授权或检验无关的各方对上述工厂的认可和发证,并且不对与本社授权或检验无关的 各方负责,不承担其未经应允而承认、接受本社认可所导致的法律和经济责任。

The approval of the Society does not affect and replace any approval and certification of the manufacturer by any parties that bear no relation with this Society's authorization or survey and therefore takes no responsibility for these parties. The Society does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.

其他/Others

中国船级社广州分社

CCS Guangzhou Branch

*****本证书正文完/ End of Text****