



中国船级社
CHINA CLASSIFICATION SOCIETY

证书格式号/Form: T01.01-GZ000085

型式认可证书
CERTIFICATE OF TYPE APPROVAL

证书编号/Certificate No. HK09T00004_01

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

船载航行数据记录仪

SHIPBORNE VOYAGE DATA RECORDER

制造厂/ Manufacturer

GPV ASIA (THAILAND) CO., LTD

GPV ASIA (THAILAND) CO.,LTD

297,MOO 4,Bangpoo industrial Estate,soi 6,Sukhumvit Road Praksa,Muang Dis.,Samutprakarn 10280 Thailand

认可标准/ Approval Standard

- 1.海安会MSC.214(81)对VDRs性能标准IMO A.861(20)和S-VDRs性能标准MSC.163(78)的修正 MSC.214(81):Adoption of Amendments to the Performance Standards for Shipborne Voyage Recorders(VDRs)(Res.IMOA861(20))and Performance Standards for Shipborne Simplified Voyage Recorders(S-VDRs)(Res. MSC163(78))
- 2.IMO A.861(20)决议《船载航行数据记录仪(VDR)性能标准》
IMO Resolution A.861(20).Performance Standards for Shipborne Voyage Data Recorder
- 3.IEC 60945 [Ed.4.0] 2002 海上导航和无线电通信设备及系统.一般要求.试验方法和要求的试验结果
IEC 60945 [Ed.4.0] 2002 Maritime navigation and radiocommunication equipment and systems-General requirements-Methods of testing and required test results
- 4.IEC61996-1: 2007《船载航行数据记录仪性能标准、试验方法和要求的试验结果》
IEC61996-1: 2007 ~" Voyage Data Recorder(VDR)- Performance Requirements.Methods of Testing and Required Test Results~"
- 5.IEC 61162(Serial Interface 2000)
IEC 61162(Serial Interface 2000)

证书有效期至/ This Certificate is valid until 2015年2月27日 / Feb. 27, 2015

发证机构 中国船级社香港分社
Issued by CCS Hong Kong Branch

签发日期 2011年2月28日
Date Feb. 28, 2011



本证书根据中国船级社《钢质海船入级规范》及有关程序规定签发。关于证书的有关规定见本证书背面的说明。当本证书包括多页纸时，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复制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。有关各方对新持证书的真实性负责。如有任何疑问，可向本社检验机构咨询。
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 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 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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HK01785355
No. 11015926

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产品明细/ Product Description

船载航行数据记录仪/Shipborne Voyage Data Recorder
 型号/Model : DM 400 VDR
 Voyage Master III VDR

电源/Power supply : AC 110-220V, 50-60Hz; UPS
 PDC容量/PDC capacity : 12h storage capacity, 4 GB solid state memory

系统组成/The system consists of : Data Acquisition Unit,
 Bridge Alarm Unit,
 Bridge Microphone Unit Indoor,
 Bridge Microphone Unit Outdoor,
 Protected Data Capsule,
 Sensor Interface Unit.

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

图纸批准号/ Drawings Approval No. : NP09A01119

批准图纸或技术文件编号 : Version 1.0(08.2008)

文件名称 : -

Description: : DM200 S-VDR and DM400VDR system overview

批准图纸或技术文件编号 : 9200238 Version 2.0 (July 2008)

文件名称 : -

Description: : Installation Manual for S-VDR and VDR

批准图纸或技术文件编号 : 9200327 Version 2.0 (July 2008)

文件名称 : -

Description: : Installation Manual for VDR Sensor Interface Unit

批准图纸或技术文件编号 : 9200328 Version 2.0 (July 2008)

文件名称 : -

Description: : Operators Manual for S-VDR and VDR

批准图纸或技术文件编号 : 9200343 Version 2.1 (Sept. 2008)

文件名称 : -

Description: : Inspectors and Authorities Manual for S-VDR and VDR

批准图纸或技术文件编号 : 9200331 Version 2.0 (July 2008)

文件名称 : -

Description: : Installation Manual for VDR Remote Video Interface

批准图纸或技术文件编号 : 9200351 Version 2.0 (July 2008)

文件名称 : -

Description: : Documentation for DM400 VDR Upgrade Kit

批准图纸或技术文件编号 : Version 2008

文件名称 : -

Description: : Catalogue/Brochure

产品认可试验报告/ Approval Test Report

试验报告编号/Test Report No. : BSH/4612/4291430/10

试验报告日期/Test Report Date : 2010-10-07

试验单位/ Laboratory : -

试验单位地址/ Test Address : Federal Maritime and Hydrographic Agency
 Bernhard-Norcht-Str. 78, D-20359 Hamburg, Germany

试验报告编号/Test Report No. : 1304658

试验报告日期/Test Report Date : 2005-11-08

试验单位/ Laboratory : Danish Technological Institute

试验单位地址/ Test Address : -

试验报告编号/Test Report No. : Gregersensvej, DK-2630 Taastrup, Denmark
 A503203-2

试验报告日期/Test Report Date : 2005-11-03

试验单位/ Laboratory : -

试验单位/ Laboratory : DELTA: Danish Electronics, Light and Acoustics



试验单位地址/ Test Address : Venlighedsvej 4, D-2970 Horsholm, Denmark
 试验报告编号/Test Report No. : A504898-2(Danak-1910021)
 试验报告日期/Test Report Date : 2008-01-22
 试验单位/ Laboratory : -
 DELTA: Danish Electronics, Light and Acoustics
 试验单位地址/ Test Address : -
 Venlighedsvej 4, D-2970 Horsholm, Denmark
 试验报告编号/Test Report No. : A504186-1/A503203-3/A504339
 试验报告日期/Test Report Date : -
 试验单位/ Laboratory : -
 DELTA: Danish Electronics, Light and Acoustics
 试验单位地址/ Test Address : -
 Venlighedsvej 4, D-2970 Horsholm, Denmark

产品适用范围/ Application of the Product

Ship engaged on international 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, 且超过认可的范畴, 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 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

按照规范逐件检验的产品/The product inspected one by one 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逐件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 one by one 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**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

1. VDR server software: Ver. 2.13;BAU Firmware:Ver. 3.30; Replayback Software: Ver. 1.40.
2. EC TYPE EXAMINATION (MODULE B) CERTIFICATE NO. BSH/4612/4291430/10.
3. EC QUALITY SYSTEM (MODULE D) CERTIFICATE NO. BSH/4613/06304/1735/10.
4. USCG Module-B No. 165.150/EC0735.



5. The Protected Data Capsule with Final Recording Medium inside, Capsule type: 1300712/1301063 is not designed for floating-free operation.
6. Place of Design House: Danelec Marine, Blokken 44, 3460 Birkerøed, Danmark.
7. Place of Manufacturer: GPV Asia (Thailand) Co., Ltd.

中国船级社香港分社

CCS Hong Kong Branch



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