



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
BG25PTB00011

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

Kongsberg Maritime AS (Kongsberg)

地址/Address

Kirkegardsveien 45, P.O. Box 483, NO-3605 Kongsberg, Norway

产品名称/Product

Kongsberg Remote Services

附加标志/Notations

无/Nil.

认可标准/Approval Standard

- 中国船级社《船舶网络安全指南》2025
China Classification Society Guidelines for Ship Cyber Security,2025
- IACS UR E27 (Rev. 1)

用于/Intended for

船舶/Ships

证书有效期至/ This Certificate is valid until 2028年02月16日 / Feb. 16,2028

发证机构 中国船级社卑尔根办事处
Issued by CCS Bergen Office

签发日期 2026年02月17日
Date Feb. 17,2026

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关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。本证书凡是未注明版本的规范，其(发证时)最新版本适用于本证书。

This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, 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. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the certificate.

Form No. T01. 联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P026-86861672

产品明细/Product Description**船舶网络安全设备/Marine Network Security Device (M0001)**

名称/Name	属性(值)/Value	单位/Unit
型号/Model	Kongsberg Remote Services	
软件版本号/Software Version	Listed on the addtional pages	
系统组成/System Component	Listed on the addtional pages	
网络安全等级/Cyber Security Class	SL0	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : NP25PPP03051

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : 110-0072446

试验报告日期/ Test Report Date : 2025-09-11

试验单位/ Laboratory: Kongsberg Maritime AS

试验单位地址/ Test Address: Norway

试验报告编号/ Test Report No. : E21229. 00

试验报告日期/ Test Report Date : 2022-03-04

试验单位/ Laboratory: Nemko

试验单位地址/ Test Address: Norway

试验报告编号/ Test Report No. : E21236. 01

试验报告日期/ Test Report Date : 2022-09-07

试验单位/ Laboratory: Nemko

试验单位地址/ Test Address: Norway

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

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:

认可后的产品由制造厂检验合格后签发合格证明，并连同该产品的本社认可证书复印件一并交付用户，制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。

After approval, product inspection should be carried out by the Manufacturer. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

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 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.

5. 证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在周年日的前后三个月内进行。

Those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

1. 本证书基于审图批准号NP25PPP03051签发，仅证明本证书注明的产品符合船舶网络安全要求/ The certificate issued based on the drawing approval number NP25PPP03051 ,which only covers security capabilities of Cyber security of the product mentioned.

2. 本产品支持不可信网络中工作，不支持无线访问，本系统硬件以及访问界面应设置在受控物理区域
This product can support used in untrusted networks and does not support wireless access. All hardware devices and accessible interfaces in the CBS shall be installed in areas with physical access restrictions

3. 如实际产品交付时重大变化（含硬件及软件）应通知CCS，若变化明显影响本社相关要求时，可能需要进行型式试验，签发新的认可证书。

Major changes to the type-approved system affecting future deliveries shall be informed to CCS. If the changes are considered to affect functionality for which rule requirements apply, a new functional type test may be required, and the certificate may have to be renewed to identify the new version.

4. 工厂应确保产品的开发遵循安全开发生命周期中各阶段的网络安全要求，编制相应的程序和安全更新文件应持续有效，并符合本社《船舶网络安全指南》及IACS UR E27要求。

The manufacturer shall ensure that the development of products meets the cyber security requirements at each stage of the Secure Development Lifecycle, and develop corresponding procedures and security update documents that are continuously effective and comply with CCS "Guidelines for Ship Cyber Security" and IACS UR E27 requirements

5. 结合具体项目申请本社检验时，以下文件应提交批准：CBS资产清单、网络系统拓扑图、配置核查报告
The following documentation of the specific base individual application is to be submitted for approval in each case:

- CBS asset inventory;- Topology diagrams;- Test report for configuration of security capabilities.

中国船级社卑尔根办事处

CCS Bergen Office

注：本证书含有附页，共1页

Note: The certificate is attached with additional 1 page(s)

The system description

Kongsberg Remote Services is a tool for Kongsberg certified engineers worldwide to connect to an installation upon customer request and provide remote support.

In addition to remote support, the system also provides network segmentation and zone boundary protection of Kongsberg security zones and 3rd party security zones, as specified in Kongsberg documents with nos.408486 ,by using the K-GSN (Global Secure Network) and standard offshore NND (node network routers) routers.

The system also includes the MPS (malware protection system) for scanning and cleaning operator stations and USB storage devices.

The MPS computer, GSN (Global Secure Network) network equipment and interfaced systems shall be connected as per Connection diagram 110-0001414.

The hardware components

Category	Name Type	Operating System Version
Malware protection system	ISIC 10" Panel PC	Ubuntu 20.04
Network equipment	Cisco C892	IOS 15.7.3
	Cisco C891-24X	IOS 15.7.3
	Cisco C1121X-8P	IOS EX 17.3.5
	Cisco C1000 Switch	IOS 15.2.7

The software information

The system consists of the following main versions:

- GSN router, version 2.2.1.0 ;
- MPS, version 4.3.1 ;
- Remote assist, version 1.1.0.