



中国船级社

证书编号/Certificate No.  
JS26PFA00011\_01

CHINA CLASSIFICATION SOCIETY  
船载计算机系统网络安全低风险符合性证明  
COMPLIANCE CERTIFICATE OF  
LOW CYBER SECURITY RISK FOR CBS

申请方/Applicant

江苏海兰船舶电气系统科技有限公司  
Jiangsu Highland Integration Technology Co., Ltd.

制造厂/Manufacturer

江苏海兰船舶电气系统科技有限公司  
Jiangsu Highland Integration Technology Co., Ltd.

产品名称/Product

舵角指示系统  
Rudder angel indication system

产品明细/Product Description

舵角指示器/Rudder Angle Indicator (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	HLD-RAIS100	
电源/Power Source	AC110/220 or DC24	V

兹证明/This is to Certify That:

上述船载计算机系统按照国际船级社协会船舶网络韧性统一要求UR E26 (Rev.1) 第6章和中国船级社《船舶网络安全指南》(2025) 第1.4节有关规定进行了网络安全风险评估, 确认此产品符合网络安全低风险接受准则。

The above mentioned CBS has been assessed in accordance with Chapter 6 of IACS UR E26 (Rev.1) "Cyber resilience of ships", and Section 1.4 of China Classification Society "Guidelines for Ship Cyber Security" (2025), and here under confirmed that the product meets the acceptance criteria for low cyber security risk.

认可证书号/Certificate No. of Approval

JS26PTB00012\_01

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : TJ11A00027, NP22PPP00852

风险评估报告/Risk Assessment Report

报告编号/ Test Report No. : JS26PFA00011\_01RE

报告日期/ Test Report Date : 2026-03-16

评估保持条件/ Maintenance Requirements of Assessment

1. 该证明与系统所取得认可证书/图纸批准书时条件相关联。当证书失效时, 本证明将自动失效。豁免最终应结合实际

发证机构 中国船级社江苏分社  
Issued by 中国船级社 Jiangsu Branch

签发日期 2026年03月16日  
Date Mar. 16, 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, 不得复印。任何单位和个人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, 可以向本社检验机构咨询。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 copy certificate 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.

Form No.: 1-2025 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:P026-46248768

安装场景获得本社最终批准。

This certificate is associated with the conditions when the product obtains its approval certificate / drawing approval letter. The invalidity of the approval certificate/letter will automatically lead to the invalidity of this certificate. The final approval of exemption will be granted by CCS taken into account the actual deployment.

2. 评估后，如果系统资产以及预期的安装环境发生改变，且影响到系统的主要特性、特征，或系统的性能指标有所更改，或超过认可的范围，则有关图纸和文件应经检验机构审批。如检验机构认为必要，本社检验人员应见证有关试验并进行检查，且结果证实仍能满足豁免证明条件。

After assessment, 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 witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

3. 制造商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 manufacturer shall ensure the effective operation of its quality management system, and that it maintains the same as when the approval is granted. If there are any changes to the quality management system, an audit of the quality management system by the original certification body is necessary and the society's approval shall be obtained.

4. 评估后，当网络场景中的变化导致系统相关的风险水平高于可接受的风险阈值，船东应通知船级社，并提交更新的风险评估以供审查。

After assessment, should the changes in the cyber scenario be such as to elevate the risk level associated to the CBS under examination above the acceptable risk threshold, the ship owner shall inform the Classification Society and submit the updated risk assessment for evaluation.

#### 备注/Remarks

系统集成商应在设计和建造阶段进行风险评估，考虑原始设计的可能变化和一开始未知的威胁和/或漏洞。

Risk assessment shall be made and kept up to date by the system integrator during the design and building phase considering possible variations of the original design and newly discovered threats and/or vulnerabilities not known from the beginning.

在船舶运营期间，船东应考虑网络场景的不断变化和船上CBS在持续改进过程中发现的新的弱点，更新风险评估。如果发现新的风险，船东应更新现有风险或实施新的风险缓解措施。

During the operation of the ship, the ship owner shall update the risk assessment considering the constant changes in the cyber scenario and new weaknesses identified in CBS onboard in a process of continuous improvement. Should new risks be identified, the ship owner shall update existing, or implement new risk mitigation measures.

本证明基于原中国船级社科创试验中心签发的车载计算机网络安全低风险声明（编号：SI24PTCCR019）签发并替代原声明及报告。

The certificate and report are reissued based on and supersedes the previous statement of compliance with low risk acceptance criteria issued by Science & Technology Innovation and Test Center China Classification Society (No. SI24PTCCR019).

型式认可证书有效期至/The approval certificate is valid until:2031-3-27.

中国船级社江苏分社  
CCS Jiangsu Branch