# 中 国 船 级 社
## CHINA CLASSIFICATION SOCIETY

编号/No. SI25PTCCR129

# 船载计算机系统网络安全低风险声明
## STATEMENT OF COMPLIANCE WITH LOW RISK ACCEPTANCE CRITERIA

兹证明本声明所述制造厂生产的产品符合网络安全低风险接受准则。

This is to certify that the products produced by the manufacturer cited in this Statement meets the exemption criteria of the requirements of the standards listed below.

**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.**

**地址/Address**

江苏省南通市苏通科技产业园清枫路 199 号

No.199, Qingfeng Road, Sutong Science Park, Nantong City, Jiangsu Province

**产品名称/Product**

航行数据记录仪（VDR）

**Shipborne Voyage Data Recorder (VDR)**

**依据标准/Approval Standard**

1. 国际船级社协会船舶网络韧性统一要求UR E26（Rev.1）第6章
   Chapter 6, Cyber resilience of ships, UR E26 (Rev.1), of IACS.
2. 中国船级社《船舶网络安全指南》（2024）第1.4节
   Section 1.4, Guidelines for Ship Cyber Security（2024）of CCS.

**产品型式认可证书编号/No. of Type Approval Certificate**

JS24PTB00167_02

**用于/Intended for**

船舶/Ships

| | | |
|---|---|---|
| 签发地点<br>Issued at | 北京<br>Beijing | |
| 签发时间<br>Issued on | July 28,2025 | 签发机构<br>Issued by |

中国船级社科创试验中心
Science & Technology Innovation and Test Center
China Classification Society

Notes:
1. This Society provides service based on the agreement, in no case shall this Society be liable for any loss of any party who has no direct contractual relations with this Society.
2. Any significant changes to the aforementioned product not agreed by CCS will result in this certificate becoming invalid. CCS does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.
3. The law of People's Republic of China applies.

## 产品明细/**Product Description**

航行数据记录仪/Shipborne Voyage Data Recorder

| 名称/Name | 属性（值）/Value |
|---|---|
| 型号/Type | HLD-VDR600，HLD-VDR700 |
| 硬件/Hardware | 详见附页\|See additional page |
| 软件/Software | 详见附页\|See additional page |
| 系统类别/Category | II类 |
| 安装位置/Location | 驾驶台、舵机舱/机舱集控室、船舶两翼、舱室 |

## 风险评估报告/**Risk Assessment Report**

编号/No.: SI25HINEAR05　　　日期/Date: 2025-07-28

## 评估保持条件/**Maintenance Requirements of Assessment**

1. 该声明与系统所取得型式认可证书时认可条件相关联，当型式认可证书失效时，本豁免声明将自动失效，同时豁免最终应结合实际安装场景获得本社最终批准。
This Statement is associated with the conditions when the product obtains its type approval certificate, i.e. the invalidity of the type approval certificate will automatically lead to the invalidity of this Statement. Meanwhile, the final approval of exemption will be granted by CCS taken into account the actual deployment.

2.评估后，如果系统资产清单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 shipowner shall inform the Classification Society and submit the updated risk assessment for evaluation.

## 备注/**Remarks**

1.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.

2.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 shipowner 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 shipowner shall update existing, or implement new risk mitigation measures.

3.本声明含有附件，共2页。
This Statement is attached with additional 2 pages.

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## 产品明细
## Product Description

### 1、型号/Type：HLD-VDR600

| 序号/Serial number | 产品名称/Product Name | 型号/Type | 软件/Software |
|---|---|---|---|
| 1 | 主机单元/Main Unit | HLD-MU600 | V2.5.3 |
| 2 | 操作单元/Operation Unit | HLD-OPU600 | V1.3.0 |
| 3 | 固定数据存储单元/Fixed Protective Data Recording Capsule | HLD-PDC600 | V2.5.3 |
| 4 | 串口数据采集单元/Serial Data Acquisition Unit | HLD-DAU600 | V2.3.0 |
| 5 | 水下声学信标/Acoustic underwater beacon | HLD-ULD601 or HLD-ULD602 or HLD-ULD603 or HLD-ULD604 | / |
| 6 | 视频数据采集单元/Video Acquisition Unit | HLD-VAU600 | V2.3.0 |
| 7 | 存储单元接线盒/Capsule Junction Box | HLD-CJB600 | / |
| 8 | 室内麦克风/Indoor Microphones | HLD-MIC600 | / |
| 9 | 室外麦克风/Outdoor Microphones | HLD-MIC610 | / |
| 10 | 长期数据存储单元/Long-term Data Recording Unit | HLD-LRU600 | V2.5.3 |
| 11 | 自浮数据存储单元/Float-free Data Recording Capsule | HLD-FFC660A or HLD-FFC680A or HLD-FFC600A | V2.5.3 |
| 12 | 非标数据采集单元/Non-standard Data Acquisition Unit | HLD-NAU600 | V2.3.0 |
| 13 | 电池组 Battery Pack | HLD-BTP600 or HLD-BTP660 or HLD-BTP680A | / |
| 14 | 静水压力释放器 Hydrostatic Release Unit | HLD-HRU600 or HLD-HRU660 or HLD-HRU680A | / |

### 2、型号/Type：HLD-VDR700

| 序号/Serial number | 产品名称/Product Name | 型号/Type | 软件/Software |
|---|---|---|---|
| 1 | 主机单元（含长期存储介质）/Main Unit（with Long-term recording medium） | HLD-MU700 | V1.0.1 |
| 2 | 操作单元/Operation Unit | HLD-OPU700 | V1.3.0 |

| 3 | 固定数据存储单元/Fixed Protective Data Recording Capsule | HLD-PDC600 | V1.0.1 |
|---|---|---|---|
| 4 | 数据采集单元(选配)/Data Acquisition Unit（Option） | HLD-DAU7X0 | V2.3.0 |
| 5 | 视频数据采集单元（选配）/Video Acquisition Unit（Option） | HLD-VAU700 | V2.3.0 |
| 6 | 室内麦克风/Indoor Microphones | HLD-MIC600 | / |
| 7 | 室外麦克风/Outdoor Microphones | HLD-MIC610 | / |
| 8 | 自浮数据存储单元/Float-free Data Recording Capsule | HLD-FFC600A or HLD-FFC660A or HLD-FFC680A | V1.0.1 |
| 9 | 扩展音频采集单元（选配）/Extended Audio Acquisition Unit | HLD-EAU700 | V2.3.0 |
| 10 | 存储单元接线盒/Capsule Junction Box | HLD-CJB600 | / |
| 11 | 水下声学信标/Acoustic underwater beacon | HLD-ULD601 or HLD-ULD602 or HLD-ULD603 or HLD-ULD604 | / |
| 12 | 电池组/Battery Pack | HLD-BTP600 or HLD-BTP660 or HLD-BTP680A | / |
| 13 | 静水压力释放器/Hydrostatic Release Unit | HLD-HRU600 or HLD-HRU660 or HLD-HRU680A | / |

## 3、数据采集单元可选配置/ Data acquisition unit optional configurations

| 序号 No. | 配置/Configurations | 部件型号 Part Model |
|---|---|---|
| 1 | 64 通道开关输入,8 通道模拟量输入/64 ports contact input, 8 ports analog input | HLD-DAU700 |
| 2 | 64 通道开关输入,8 通道 IEC 61162-1/2 输入/64 ports contact input, 8 ports IEC61162-1/2 input | HLD-DAU710 |
| 3 | 64 通道开关输入，8 通道模拟输入，8 通道 IEC 61162-1/2 输入/ 64 ports contact input，8 ports analog input，8 ports IEC 61162-1/2 input | HLD-DAU720 |
| 4 | 64 通道开关输入，16 通道串行 IEC 61162-1/2 输入/64 ports contact input，16 ports IEC 61162-1/2 input | HLD-DAU730 |
| 5 | 8 通道模拟量输入，8 通道串行 IEC 61162-1/2 输入/8 ports analog input，8 ports IEC 61162-1/2 input | HLD-DAU740 |