Certificate No: LR26355206TA
Issue Date: 27/07/2026
Expiry Date: 26/07/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Beijing Noah Shield Technology Co., Ltd.**
Address	Room C213, 2nd Floor, Building C No.28, Xinjiekouwai Avenue, Xicheng District, Beijing, 100088, China
Type	Network Components
Description	Industrial Security Gateway
Trade Name	ISG8212
Application	Marine and offshore use in environmental categories ENV2 in the “bridge and deck zone” as defined in LR Type Approval System Test Specification No. 1July 2024.
Specified Standard	Manufacturer’s specification Lloyd’s Register Type Approval System Test Specification Number 1. Lloyd’s Register Rules and Regulations for the Classification of Ships, July 2025, Part 6, Chapter 1, Section 2.16 as applicable. IACS UR E10 (REV 10) IACS UR E27 (REV 1)
Ratings	Power Supply: Redundant DC 24V with internal changeover

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Room 02-05, 48F, Raffles City Shanghai Office Tower, No.268 Xi Zang Middle Road, Huangpu District, Shanghai, 200001, China

Ning Guan

Electrical & Control Technical Manager - Southeast Asia & Great China to Lloyd's Register Classification Society (China) Co.,

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Ingress Protection level: IP40

Additional Tests

Flame retardant test
Low temperature test: 16 hours at -25°C

Other Conditions

1. Intrusion detection system is to be passive and should not activate protection functions that may affect intended operation of the CBSs.
2. Complied with the security capabilities required with network communication to untrusted network. Any wireless communication function like access management and/or use control are excluded.
3. Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/or surveyed to be installed in ships classed or intended to be classed with LR.
4. If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR26355206TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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