DNV·GL

Certificate No:
TAA00001GN

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Satellite communication

with type designation(s)

VSAT S025, S030, S037, S045, S060, S080, S090, S100, S120

Issued to

Chengdu Global-way Communication Technology Co., Ltd.
Chengdu, China

is found to comply with
IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2017-11-08**
This Certificate is valid until **2022-11-07**.
DNV GL local station: **Nanjing**

Approval Engineer: **Harald Bluhm**

for **DNV GL**

Oliver Darley
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-026018-1**
Certificate No: **TAA00001GN**

Product description

VSAT S025, S030, S037, S045, S060, S080, S090, S100, S120 Ku band maritime VSAT, combining high-accuracy technology of SINS with beacon tracking and GPS built in, keeps tracking satellite accurately for vessels on the move.

A satellite modem or a bracket for the radom are not part of this type approval.

Documentation: S060-14H 0.6m Ku Band Maritime VSAT instruction manual,
S060-14H 0.6m Ku Band Maritime VSAT instruction manual.

Type Approval documentation

Tests carried out

IEC-60092-101-2002 Electrical installations in ships-Part 101:Definitions and general requirements
IEC-60950-1 Information technology equipment-Safety-Part1:General requirement
IEC-60945 Ed. 4-2002 Maritime navigation and radiocommunication equipment and systems: General requirements

Marking of product

The product to be marked with:

- Manufacturer name
- Module name
- Serial number
- Power supply ratings
- Degree of protection

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE