



Certificate No:  
**TAA000034S**

# CONFORMITY ASSESSMENT CERTIFICATE

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## This is to certify:

**That the Pay as You Sail (PAYS) ENC Distribution Service**

with type designation(s)  
**Guangzhou Haining Pay as You Sail**

Issued to

**GUANGZHOU HAINING MARITIME TECHNOLOGY SERVICE CO.,LTD**  
**GUANGZHOU CITY, GUANGDONG PROVINCE, China**

is found to comply with

**Joint RENC-PRIMAR & IC-ENC Specification for Pay As You Sail Services for Value Added Resellers and Notified Bodies version 2.0**

## Application :

**See page 2**

Issued at **Høvik** on **2022-03-23**

This Certificate is valid until **2025-03-22**.

DNV local station: **China South NB**

for **DNV**

Approval Engineer: **Arve Lepsøe**

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**Trond Sjøvåg**  
**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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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## Product description

PAYS ENC Distribution Service as described in the document

## Application/Limitation

All changes to the process (procedures and technical tools) are to be evaluated, prior to implementation, on the basis described in "Joint RENC- PRIMAR & IC-ENC, Specification for Pay As You Sail services for value added resellers and notified bodies" ver. 2.0, and communicated with DNV as appropriate

The following may render this Certificate invalid:

- Changes in the design or construction of the system
- Changes or amendments to the referenced Guidelines

The Guangzhou Haining PAYS service is based on that all vessels provided this PAYS ENC distribution service carry two "Haining Boxes", where one is stored onboard as spare.

## Type Approval documentation

| DNV No | Document ID        | Rev.       | Description                                                                        |
|--------|--------------------|------------|------------------------------------------------------------------------------------|
| 7      | HN-PAYS-002        | V2         | Description, Guangzhou Haining MTS: PAYS Service Description                       |
| 3      | HN-PAYS-001        | V1         | Project Plan, Guangzhou Haining MTS: PAYS Project Plan                             |
| 8      | HN-PAYS-004        | V1         | Description, Guangzhou Haining MTS: PAYS Technical Description                     |
| 2      | HN-PAYS-003        | V3         | Procedure, Guangzhou Haining MTS: PAYS Internal monitoring of performance document |
| 11     | HN-PAYS-008        | V1         | Description, Guangzhou Haining MTS: Test Plan for Hai Ning PAYS                    |
| 13     | E202111125853-2-G1 | 2022-01-21 | Test Report - GRGTEST - IEC60945 EMC tests                                         |
| 14     | H202111045651-01EN | 2022-01-10 | Test Report - GRGTEST - IEC60945 Environmental tests                               |
| 18     | H202202170764-01EN | 2022-02-25 | Test Report - GRGTEST - IEC60945 Vibration test                                    |
| 19     | GRCTR220104016     | 2022-02-25 | Test Report - GRCT - Salt Mist test report                                         |
| 20     | S2022022161020101  | 2022-02-28 | Test Report - GRGTest - IEC61162-1, Annex B testing                                |

## Tests carried out

- Tests and audit to verify compliance with requirements in "Joint RENC- PRIMAR & IC-ENC, Specification for Pay As You Sail services for value added resellers and notified bodies version 2.0".
- Environmental testing (Haining Box): IEC 60945 (2002), including Corr.1 (2008)

## Periodical assessment

An audit is to be performed upon renewal of this certificate.