



APPROVAL CERTIFICATE

This is to certify that the

Nerites GMDSS Radio Simulator

consisting of

GMDSS (Global Maritime Distress and Safety System) equipment, including:

**VHF system simulation,
MF/HF system simulation,
Inmarsat – C system simulation,
NAVTEX system simulation,
Radio Telex system simulation,
AIS system simulation,
ECDIS system simulation,
Radar system simulation**

manufactured by

**Julian Zavaglia
Kerasina Consulting Ltd
Efesou 9, 5280, Paralimni
Cyprus**

is found to comply with

- the requirements of STCW 2010 Convention (with Manila Amendments) including regulations I/12 Use of Simulators.
- Publication 14/P: Principles of approval of computer programmes, Edition January 2024.

Certificate No. **TC/2092/881072/25**

Expiry date **2028-04-16**

Issued at

Gdańsk, 2025-04-17



C/020/58

Signature

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Continued overleaf

Product Description:

Nerites is a GMDSS Radio Simulator; a comprehensive training tool designed to replicate real-world maritime communication scenarios. It provides an interactive environment where users can operate simulated GMDSS (Global Maritime Distress and Safety System) equipment, including VHF, MF/HF radios, Inmarsat-C, NAVTEX, Radio Telex, AIS, ECDIS, and Radar systems. The simulator allows instructors to control environmental conditions such as radio propagation, time of day, and weather overlays, ensuring realistic and dynamic training sessions.

Name of Program: Nerites

Author: Julian Zavaglia

Programming Language: HTML, CSS, Javascript

Hardware Requirements:

- Microphone (usually computer built-in).
- Speaker (usually computer built-in).
- Any modern browser, updated to the latest version compatible with windows 8 (or equivalent operating system) and above. Recommended browsers are Firefox and Google Chrome.
- Internet connection.

Software versions: 1.0

Basis of approval:

1. The technical documentation approved by PRS on 2025-04-11.
2. PRS online tests carried out on 2025-04-14.
3. PRS Survey Report No. TM/EGa/03/25 issued on 2025-04-15.

Limitations:

1. The program is used for GMDSS training purposes. The Radio Operator's Certificate must be issued with the approval of the Administration.
2. Simulation of Radar, AIS and ECDIS in limited scope - for GMDSS equipment testing purpose only.
3. Any functional or software changes affecting the operation of the simulator should be immediately reported to PRS.

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