



NIPPON KAIJI KYOKAI

Certificate No. 15-034-1

**Statement
of
Product Quality**

THIS IS TO CERTIFY that the below-mentioned simulator is found to comply with the NK Standard for Certification of Maritime Education & Training Simulator Systems and the following applicable standards:

Product description:
GMDSS Simulator

Type designation:
TGS 5000

Manufacture:
Wärtsilä Voyage Limited
10 Eastgate Avenue, Eastgate Business park, Little Island, Cork, Ireland

Applicable Standards:

- | | |
|--|---|
| 1) STCW 2010 Manila amendments | Regulation I/12 |
| 2) STCW 2010 Manila amendments | Code A-I/12, B-I/12 |
| 3) IMO model course 1.25
(2015 edition) | General Operator's Certificate for GMDSS |
| 4) IMO model course 1.26
(2015 edition) | Restricted Operator's Certificate for GMDSS |

Date of Initial Registration : 4 August, 2015
Validity : 3 August, 2024
Issued at Tokyo on 15 July, 2021

NIPPON KAIJI KYOKAI

(H. Takano)

Director of Innovation Development Division



APPENDIX-A Simulator System

Simulator system specification

Documentation (identity)	General Product Guidelines: GMDSS simulator TGS 5000 <ul style="list-style-type: none"> ■ Instructor Manual ■ Trainee Manual ■ Specification and Installation ■ Courseware ■ Product Description ■ TGS 6000 Compact Console and Alarm Panel, User Manual
Documentation reviewed (date)	Initial : 1 July, 2015 Renewal: 5 June, 2018 Renewal: 15 July, 2021
Tests and physical inspection performed (date)	Initial : 14 July, 2015 (at Portsmouth in UK) Renewal: 5 June, 2018 (at Gothenburg in Sweden) Renewal: 15 July, 2021 (remotely)

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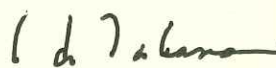
APPENDIX-B Application/Limitation

Application/Limitation

The simulator system, as described above, gives the capability to simulate a realistic environment for all of the following competencies:

STCW-2010 Manila amendments	Competence
Table A-IV/2.1	Transmit and receive information using GMDSS subsystems and equipment and fulfilling the functional requirements of GMDSS
Table A-IV/2.2	Provide radio services in emergencies
Code B-I/12 72.1	Simulate the operation of VHF, VHF-DSC, NAVTEX, EPIRB and watch receiver equipment as required for the Restricted Operator's Certificate (ROC)
Code B-I/12 72.2	Simulate the operation of INMARSAT -B, -C and -F77 ship earth stations, MF/HF NBDP, MF-HF DSC, VHF, VHF-DSC, NAVTEX, EPIRB and watch receiver equipment as required for the General Operator's Certificate (GOC)
Code B-I/12 72.3	Provide voice communication with background noise
Code B-I/12 72.4	Provide a printed text communication facility
Code B-I/12 72.5	Create a real-time operating environment, consisting of an integrated system, incorporating at least one instructor/assessor station and at least two GMDSS ship or shore stations

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