



NIPPON KAIJI KYOKAI

Certificate No. 15-034-4

**Statement  
of  
Product Quality**

This Certificate of Design Approval is found that the product type design below complies with the NK Standard for Certification of Maritime Education & Training Simulator Systems and the following applicable standards when manufactured and operated within the conditions and limitations specified as attached:

Product description:  
**Survival Craft Simulator**

Type Design:  
**Navi Trainer Professional 5000**

Designed by:  
**Transas Marine 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 | Part A of the STCW Code / Table A-VI/2-1                                       |
| 3) IMO model course 1.23       | Proficiency in survival craft and rescue boats<br>other than fast rescue boats |

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Validity : 12 March, 2021  
Issued at Tokyo on 13 March, 2018

NIPPON KAIJI KYOKAI

( T. Koiwa )

Director of Assurance Operations Division



**APPENDIX I**  
**Simulator Data Sheet**

The simulator system is suitable for substitution of lifeboat and lifeboat davit hardware functions for taking charge of a survival craft before, during and after launch:

1. Perform lifeboat pre-checks using enclosed lifeboat with inboard engine
2. Prepare, give correct commands for launching, and safely launch survival craft with painter attached
3. Operate off-load and on-load release devices
4. Clear the ship's side quickly, steer the lifeboat boat by compass, and use radio equipment and pyrotechnics for survival craft
5. Maneuver the lifeboat under the falls for recovery
6. Safely recover survival craft, including the proper resetting of both off-load and on-load release devices

## APPENDIX II Simulator System Specification

Documentation (identity)	<p>General</p> <ul style="list-style-type: none"> <li>■ Davit (gravity type)</li> <li>■ Lifeboat (fully enclosed, self-propelled and self-righting with hook release gear mechanism)</li> </ul> <p>Functional model</p> <ul style="list-style-type: none"> <li>■ Hook-Release gear</li> <li>■ Wire lashings and gripes</li> <li>■ Davit horn</li> <li>■ Winch falls</li> </ul> <p>Hook-Release General model</p> <ul style="list-style-type: none"> <li>■ Release handle</li> <li>■ Stern/Bow hooks</li> <li>■ Hydrostatic interlock</li> <li>■ Release handle</li> <li>■ Safety pin</li> <li>■ Lever of hydrostatic interlock</li> </ul> <p>Radar reflection model</p> <ul style="list-style-type: none"> <li>■ Radar reflector</li> </ul> <p>Motion model</p> <ul style="list-style-type: none"> <li>■ Hydrodynamics</li> <li>■ Propulsion</li> <li>■ Big heel/trim angles</li> <li>■ Dynamic change of draft</li> <li>■ Boat over keel and self-righting</li> <li>■ Launch boat into water</li> <li>■ Realistic wave motion and rolling on bow waves</li> </ul>
Documentation reviewed (date)	15 February, 2018

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