

STATEMENT OF COMPLIANCE

Particulars of Product

Name of Product: **Machinery Operation Simulator**Type designation: **K-Sim Engine Steam Propulsion Dual Fuel SP11**

Particulars of Manufacturer

Manufacturer: **Kongsberg Digital AS**Manufacturer address: **Maritime Simulation, Horten, Norway**

This is to confirm:

That the above product is found to comply with Class A- Standard for Certification of Maritime Simulators No. DNVGL-ST-0033 March 2017.

Application

The above Standard is based on requirements in the STCW Convention, Regulation I/12.

This Statement is valid until **2022-06-15**, provided the requirements for the retention of the Statement will be complied with.

Issued at **Sandefjord** on **2017-06-19**


Nils Gunnar Bøe
Area Manager

for **DNV GL**




Capt. Aksel David Nordholm
Auditor



Application/Limitation

| STCW Reference | Competence |
|-----------------------|--|
| Table A-III/1.1 | Maintain a safe engineering watch |
| Table A-III/1.3 | Use internal communication systems |
| Table A-III/1.4 | Operate main and auxiliary machinery and associated control systems |
| Table A-III/1.5 | Operate fuel, lubrication, ballast and other pumping systems and associated control systems |
| Table A-III/1.6 | Operate electrical, electronic and control systems |
| Table A-III/1.11 | Maintain seaworthiness of the ship |
| Table A-III/2.1 | Manage the operation of propulsion plant machinery |
| Table A-III/2.2 | Plan and schedule operations |
| Table A-III/2.3 | Operation, surveillance, performance assessment and maintaining safety of propulsion plant and auxiliary machinery |
| Table A-III/2.4 | Manage fuel, lubrication and ballast operations |
| Table A-III/2.5 | Manage operation of electrical and electronic control equipment |
| Table A-III/2.6 | Manage troubleshooting restoration of electrical and electronic control equipment to operating condition |
| Table A-III/2.8 | Detect and identify the cause of machinery malfunctions and correct faults |
| Table A-III/2.11 | Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea and protection of the marine environment |
| Table A-III/2.14 | Use leadership and managerial skills |
| Table A-III/4.2 | For keeping a boiler watch: Maintain the correct water levels and steam pressures |
| Table A-III/6.1 | Monitor the operation of electrical, electronic and control systems |
| Table A-III/6.2 | Monitor the operation of automatic control systems of propulsion and auxiliary machinery |
| Table A-III/6.3 | Operate generators and distribution systems |
| Table A-III/6.5 | Operate computers and computer networks on ships |
| Table A-III/6.6 | Use internal communication systems |

Limitation

It is not possible to create simulation covering STCW Table A-III/2.10 Control trim, stability and stress:

Sec. 4, Table C1, 1.1.4, The following main components is not simulated in this model:

- Ballast System