

# STATEMENT OF COMPLIANCE

Statement No:  
**n1760855-qms**  
DNV Id No:  
**10564901**

## Particulars of Product

Function Area: **MACHINERY OPERATION SIMULATOR**

Name and type designation: **K-Sim® Engine MTU V12 WaterJet H22**

## 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, B, C, D - Standard for Certification of Maritime Simulators No. DNV-ST-0033 June 2021.

## Application

The above Standard is based on requirements in the STCW Convention, Regulation I/12 and corresponding industry standard and guidelines.

This Statement is valid until **2027-06-15**, provided the requirements for the retention of the Statement will be complied with.

Issued at **Horten, Norway** on **2022-06-15**



for **DNV**

*This document is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication can be obtained from [trust.dnv.com](http://trust.dnv.com) by using the Unique Tracking Number (UTN):*  
**n1760855-qms and ID: 10564901**

**Aksel David Nordholm**  
**Approval Expert**

This Statement is subject to terms and conditions overleaf. Any significant change in simulation performance may render this Statement invalid.  
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### Application/Limitation

The simulator can simulate a realistic environment for selected STCW competence requirement referred to in Table 4-2.

**Table 4-2 Competencies addressed by machinery operation simulator class**

<i>STCW reference</i>	<i>Competence</i>	<i>Class A (ENG)</i>	<i>Class B (ENG)</i>	<i>Class C (ENG)</i>	<i>Class D (ENG)</i>
Table A-III/1.1	Maintain a safe engineering watch.	A	B		
Table A-III/1.3	Use internal communication systems.	A	B		
Table A-III/1.4	Operate main and auxiliary machinery and associated control systems.	A	B	C	D
Table A-III/1.5	Operate fuel, lubrication, ballast and other pumping systems and associated control systems.	A	B	C	D
Table A-III/1.6	Operate electrical, electronic and control systems.	A	B	C	D
Table A-III/1.11	Maintain seaworthiness of the ship.	A	B		
Table A-III/2.1	Manage the operation of propulsion plant machinery.	A	B		
Table A-III/2.2	Plan and schedule operations.	A	B		
Table A-III/2.3	Operation, surveillance, performance assessment and maintaining safety of propulsion plant and auxiliary machinery.	A	B		
Table A-III/2.4	Manage fuel, lubrication and ballast operations.	A	B	C	D
Table A-III/2.5	Manage operation of electrical and electronic control equipment.	A	B		
Table A-III/2.6	Manage troubleshooting restoration of electrical and electronic control equipment to operating condition.	A			
Table A-III/2.8	Detect and identify the cause of machinery malfunctions and correct faults.	A			
Table A-III/2.10	Control trim, stability, and stress.	A	B		
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.	A	B		
Table A-III/2.14	Use leadership and managerial skills.	A			
Table A-III/4.2	For keeping a boiler watch: Maintain the correct water levels and steam pressures.	A	B	C	D
Table A-III/6.1	Monitor the operation of electrical, electronic and control systems.	A	B		
Table A-III/6.2	Monitor the operation of automatic control systems of propulsion and auxiliary machinery.	A	B		
Table A-III/6.3	Operate generators and distribution systems.	A	B		
Table A-III/6.4	Operate and maintain power systems in excess of 1,000 Volts.	A	B		D
Table A-III/6.5	Operate computers and computer networks on ships.	A	B		
Table A-III/6.7	Use internal communication systems.	A	B		
Table A-III/6.9	Maintenance and repair of automation and control systems of main propulsion and auxiliary machinery.				D
Table A-III/6.10	Maintenance and repair of bridge navigation equipment and ship communication systems.				D
Table A-III/6.11	Maintenance and repair of electrical, electronic and control systems of deck machinery and cargo-handling equipment.				D
Table A-III/6.12	Maintenance and repair of control and safety systems of hotel equipment.				D
Table A-III/7.5	Contribute to the maintenance and repair of electrical systems and machinery on board.				D



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This Statement of Compliance is for the manufacturer offering the simulator for examination or mandatory simulator training and complies with the requirements of DNV-ST-0033 Maritime Simulator Systems.

Based on this statement of compliance, maritime training providers in possession of simulators that comply with the requirements of the standard can apply for a product certificate for "Maritime simulator". The simulator's function area and the simulator class according to the standard will be stated on the certificate.