

STATEMENT OF COMPLIANCE

Particulars of Product

Name of Product: **Machinery Operation Simulator**
Class notation: **LOW SPEED ENGINE**
Type designation: **ARI FULL MISSION MACHINERY OPERATIONS SIMULATOR**

Particulars of Manufacturer

Manufacturer: **ARI SIMULATION**
Manufacturer Address: **APPLIED RESEARCH INTERNATIONAL**

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 January 2011.

Application

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

This Statement is valid until **2019-04-04**, provided the requirements for the retention of the Statement will be complied with.

Issued at **Mumbai** on **2014-04-04**



Kamal Kumar
Country Manager

for **DNV GL**



Vernon Sequeira
Auditor

This Statement is subject to terms and conditions overleaf. Any significant change in simulation performance may render this Statement invalid. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

Application/Limitation

The simulator is capable of simulating a realistic environment for selected STCW competence requirements referred to in the column for Class A – S as applicable in Table B1.

Table B1 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 S (ENG)</i>
Table A-III/1.1	Maintain a safe engineering watch	A	B		(S)
Table A-III/1.3	Use internal communication systems	A	B		(S)
Table A-III/1.4	Operate main and auxiliary machinery and associated control systems	A	B	C	(S)
Table A-III/1.5	Operate fuel, lubrication, ballast and other pumping systems and associated control systems	A	B	C	(S)
Table A-III/1.6	Operate electrical, electronic and control systems	A	B	C	(S)
Table A-III/1.11	Maintain seaworthiness of the ship	A	B		(S)
Table A-III/2.1	Manage the operation of propulsion plant machinery	A	B		(S)
Table A-III/2.2	Plan and schedule operations	A	B		(S)
Table A-III/2.3	Operation, surveillance, performance assessment and maintaining safety of propulsion plant and auxiliary machinery	A	B		(S)
Table A-III/2.4	Manage fuel, lubrication and ballast operations	A	B	C	(S)
Table A-III/2.5	Manage operation of electrical and electronic control equipment	A	B		(S)
Table A-III/2.8	Detect and identify the cause of machinery malfunctions and correct faults	A			(S)
Table A-III/2.10	Control trim, stability and stress	A	B		(S)
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		(S)
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	(S)
Table A-III/6.1	Monitor the operation of electrical, electronic and control systems	A	B		(S)
Table A-III/6.2	Monitor the operation of automatic control systems of propulsion and auxiliary machinery	A	B		(S)
Table A-III/6.3	Operate generators and distribution systems	A	B		(S)
Table A-III/6.5	Operate computers and computer networks on ships	A	B		(S)
Table A-III/6.6	Use internal communication systems	A	B		