



Simulator

LBS DAVIT-LAUNCHED LIFEBOAT SIMULATOR



Purpose:

LBS Davit-launched lifeboat simulator is intended for drilling practical skills of candidates for a certificate of proficiency in survival craft and rescue boats other than fast rescue boats in accordance with requirements of Sections A-VI/2 (Table A-VI/2-1) and other crewmembers in accordance with requirements of A-VI/1 of STCW Code (Table A-VI/1-1).

LBS tackles the task of gaining competencies, which earlier were not accessible in the Training Center due to the disadvantages of its technical resources:

- impossibility of internal combustion engine's start in the premises or closed pools,
- absence of applicably big and customized water area,
- complexity of rough weather simulation,
- adverse climatic conditions in impossibility of internal combustion engine's start in the premises or closed pools the open air.

Implementing of simulator into the training process will provide training center conformity with new 2024 revision of IMO Model Course 1.23 on Proficiency in survival craft and rescue boats other than fast rescue boats.

New revision emphasizes practical training sessions, that require access to a navigable river, lake or the sea, preferably in harbour or estuarial waters. The practical drills and evaluation could be carried out aboard a ship, making use of its equipment and facilities.

At the same time, the training elements of the practical drills and exercises related to the **launch, recovery, operation** and **maneuvering** of lifeboats and rescue boats, including night drills, drills into **rough seas**, and drills in **ice covered waters** may be conducted using simulation.

Training elements related to equipment familiarization and survival craft seamanship should still be delivered using an **actual** survival craft conforming to the LSA Code.

Content and functions

Innovational simulator consists of real equipment: a lifeboat, launch- and lifting appliance and embarkation station, which allow drilling embarkation and disembarkation of crew members, launch and lifting of lifeboat.

Target groups

Deck - Management

Deck - Operational

Deck - Maintenance

Engine - Management

Engine - Operational

Ship types

All ships



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3D visualization system of the surfaced plant and specialized modified equipment (steering wheel, engine remote control handle, engine control panel) are implemented inside the cabin. These allow drilling the following practical skills:

- **engine operation;**
- maneuvering the lifeboat clear of ship's side,
- **handling and maneuvering** of lifeboats in **different weather conditions**, including **rough seas**, and **at night**.
- steering the lifeboat by compass.
- assembling liferafts and rescue of persons in distress at sea,
- intentional grounding of lifeboats.

Simulator can be delivered as a “turnkey project”. In such case a new fully equipped lifeboat is going to be delivered, with no engine, but including implemented visualization system and specialized equipment, launch- and lifting appliances layout and embarkation station.

In case if Training center has its own lifeboat and launch- and lifting appliances, they can receive works on implementing visualization system and specialized equipment.

Configurations

LBS can be delivered in the following configurations:

- LBS-A1 - full mission, on the dynamic platform, class A,
- LBS-A2 - full mission, without the dynamic platform, class A,
- LBS-B - with simplified lifeboat model, class B,
- LBS-C - computer version with pseudo-real control organs, class C.



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Legislation

- Regulation VI/2 STCW Convention, Section A-VI/2 STCW Code, Table A-VI/2-1 "Specification of the minimum standard of competence in survival craft and rescue boats other than fast rescue boats"
- IMO Model Course 1.23 "Proficiency in Survival Craft and Rescue Boats (other than Fast Rescue Boats)" (2024 Edition)
- Regulation VI/1 STCW Convention, Section A-VI/1 STCW Code, Table A-VI/1-1 "Specification of minimum standard of competence in personal survival techniques"
- OPITO Offshore Lifeboat Coxswain Training Standard.