

IS INTENDED FOR TRAINING OF

- SEAFARERS WHO ARE DESIGNATED TO TAKE CHARGE OF SURVIVAL CRAFT AND RESCUE BOATS
- SEAFARERS WHO ARE DESIGNATED TO TAKE CHARGE OF FAST RESCUE BOATS



SRV is intended for training and demonstration of competence of:

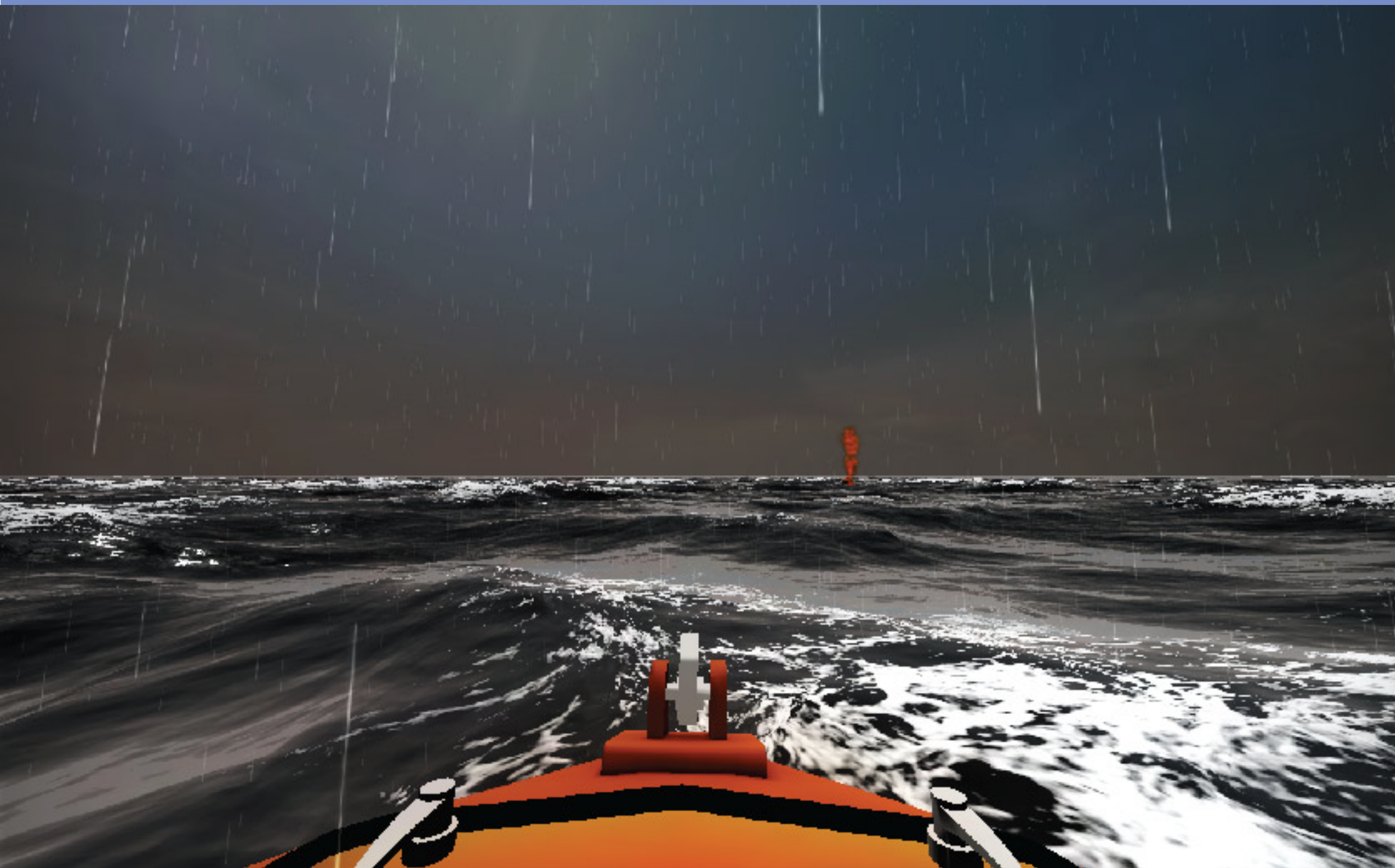
- seafarers who are designated to take charge of survival craft and rescue boats in conformity with Table A-VI/2-1 of STCW Code;
- seafarers who are designated to take charge of fast rescue boats in conformity with Table A-VI/2-2 of STCW Code.

Features

- SRV is a new generation simulator, developed with the usage of the most advanced computer technologies.
- High quality visualization of exercise area and physical models of ships allow the students to work out exercises in conditions, close to reality.
- Ergonomics and ease of interface of instructor workplace allow mastering the functionality of the software and begin the educational process in the shortest time.



LIST OF BASIC SIMULATED EXERCISES



for seafarers who are designated to take charge of survival craft and rescue boats:

- Starting and operating a survival craft engine and its accessories;
- Handling survival craft in rough weather;
- Use of sea anchor;
- Action taken to maximize detectability and location of survival craft;
- Towing liferafts and rescue of survivors and persons in the sea.



for seafarers designated to take charge of fast rescue boats:

- Start Up and Shut Down of the FRB
- Launching
- FRB handling and maneuvering
- High speed maneuvering
- Basic High and Low Speed Operations
- Prevailing Sea and Weather Conditions
- Heavy Weather Operations
- Open Water Rescue
- Carry out search patterns, taking account environmental factors
- Man overboard search and recovery
- Towing
- Use of emergency equipment
- Communication between FRB, a helicopter and a ship
- Propulsion equipment/console operation
- Damages of Engine and Buoyancy
- Compartments
- Anchor handling
- Mooring

Simulated models

The simulator includes the following models:

- Lifeboat
- Fast rescue boat (RHIB)
- Liferaft – target model
- Container Vessel - target model
- Helicopter - target model

Exercise areas

- Sea port area,
- Open sea area.

Configuration

The simulator consists of the Instructor WorkPlace (IWP) software and one or several Students WorkPlaces (WPS).

WPS can be presented in base or compact configuration.

Base configuration includes steering stand which is realized as real steering stand with built-in steering wheel, sensor control panel and visualization system on the projection apparatus and LCD panel.

Compact configuration includes steering stand and visualization system of the surfaced plant which come out on the display of the monitor. Steering is carried out with the help of joystick and mouse. Compact version can be easily installed in any computer class having a local network.



Instructor WorkPlace (IWP)

IWP manages the process of training the student.

The instructor provides:

- choice of exercises, which contain:
 - area of navigation,
 - hydrometeorological conditions,
 - time of the day,
 - placement and trajectory of the target vessels,
 - overload situations;
- adjusting the initial parameters of exercises
 - changes of the navigation situation (installation of navigation signs),
 - changes of hydrometeorological conditions (strength and direction of wind, reduced visibility, precipitation, wave height) and time of day,
 - entry of new target vessels;
- model selection and placement of ships students (active vessels);
- visual control of the students exercising. With the help of virtual cameras is possible to observe any part of the navigation area;
- active management of the students vessel. This function may be necessary to demonstrate the proper performance of the exercise;
- recording of the exercise for the debriefing;
- activation of distress signals.

Documentation

The simulator is supplied with a set of technical and operational documentation, including training and guidance on practical training.



Student workplace

WPS provides the student with the opportunity of multiple fulfillment of the exercises set by IWP and improving practical skills.

Students WorkPlace (WPS) imitates:

- steering stand with built-in steering wheel
- engine control (throttle/gears)
- sensor control panel including:
 - magnetic compass,
 - navigation lights control buttons,
 - search light control buttons
 - speed counter,
 - panel for activation of distress signals;
- visualization of the surrounding surface situation.

“SRV” Simulator is means of exercising of practical skills according to the Module “Bravo” of the “STORM-M” Technology and is a part of a class of complex training of the seafarers who are designated to take charge of survival craft.

