

SimFlex Navigator



The "COPPÉLIA" bridge simulator in Puttgarden, Germany

The SimFlex Navigator Full-Mission Module is a turn-key solution. It comprises of the SimFlex Navigator software supplemented with the necessary hardware to create a complete Full-Mission trainer as shown in the picture.

In the minimum configuration a total of 9 networked PCs make up the simulator incl. one instructor station. 3 PCs for instruments, chart, conning display etc. for the student, and 5 PCs to drive a 190 degrees visual system projected onto a large screen by the newest projector technology.

A set of real handles for engine telegraph, rudder and one thruster in a tailor-made console including the necessary electronics is used to command the ship. A bridge mock-up is set-up in order to create a realistic atmosphere in the simulator.

The set-up is configurable by the user such that instruments and other user interfaces can be freely distributed. The Full-Mission simulator creates a very realistic environment, and it is very useful for several purposes, e.g. for navigational schools, ship owners, ship yards.

The Full-Mission Module is supplied with a large range of own ships, target ships and exercise areas. Additional ships and exercise areas can be supplied by FORCE Technology upon request. A real handle/instrumentation set up is included and can be customized to the clients needs.

The simulator is installed, configured and tested at FORCE Technology and shipped to the client, followed by commissioning at the client's premises and an introduction course is offered.

STCW'95 reference

SimFlex Navigator Full Mission Module is capable of simulating a realistic environment for following STCW'95 competence requirements.

Table A II/1.1	Plan and conduct a passage and determine position
Table A II/1.2	Maintain a safe navigational watch
Table A II/1.3	Use of radar and ARPA to maintain safety of navigation
Table A II/1.4	Respond to emergencies
Table A II/1.5	Respond to a distress signal at sea
Table A II/1.8	Manoeuvre the ship
Table A II/2.1	Plan a voyage and conduct navigation
Table A II/2.2	Determine position and the accuracy of resultant position fix by any means
Table A II/2.3	Determine and allow for compass errors
Table A II/2.4	Co-ordinate search and rescue operations
Table A II/2.5	Establish watchkeeping arrangements and procedures
Table A II/2.6	Maintain safe navigation through the use of radar and ARPA and modern navigation systems to assist command decision
Table A II/2.9	Manoeuvre and handle a ship in all conditions
Table A II/2.10	Operate remote controls of propulsion plant engineering systems and services



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Subject to changes without notice

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