

GAS FUELLED SHIPS - ADVANCED TRAINING



TARGET GROUP

The course "Gas-fuelled ship operation" provides increased competence for officers and crew onboard vessels that use gas (LNG) as fuel.

The course is divided into two parts: Part 1 - "Basic course" aimed at all crew groups on LNG-powered vessels that in various ways are involved in ship safety, and Part 2 - "Advanced training" aimed towards engineer and deck officers and crew who are responsible for, and directly involved in operations associated with machinery and handling of fuels.



OBJECTIVES OF THE COURSE

Seafarers responsible for designated safety duties associated with the care, use or in emergency response to the fuel on board an LNG-fuelled vessel must be able to recognise risks and be aware of specific points of attention related to LNG and operate the systems related to this. In addition they must be able to perform LNG-bunkering operations (shipboard) in a safe and controlled manner, recognise potential problems and handle emergency situations related to LNG.

The course is designed to meet the requirements of the part A, chapter V of the STCW Convention on Special training requirements, which are provided in tables A-V/3-1 and A-V/3-2.



COURSE CONTENTS

Gas-fuelled ship operation training course covers the following topics:

1. Basic training - (Table A-V/3-1):

- Safe operation of a ship subject to the IGF Code;
- Precautions to prevent hazards on a ship subject to the IGF Code;
- Application of occupational health and safety precautions and measures;
- Carrying out firefighting operations on a ship subject to the IGF Code;
- Respond to emergencies;
- Precautions to prevent pollution of the environment from the release of fuels found on ships subject to the IGF Code.

2. Advanced training - (Table A-V/3-2)

- Physical and chemical properties of fuels aboard ships subject to the IGF Code;
- Operation of controls of fuel related to propulsion plant and engineering systems and services and safety devices on ships subject to the IGF Code;
- Safe performance and monitoring of all operations related to the fuels used on board ships subject to the IGF Code;
- Planning and monitoring safe bunkering, stowage and securing of the fuel on board ships subject to the IGF Code;
- Precautions to prevent pollution of the environment from the release of fuels found on ships subject to the IGF Code;
- Monitoring and control of compliance with legislative requirements;
- Precautions to prevent hazards on a ship subject to the IGF Code;
- Occupational health and safety precautions and measures on board a ship subject to the IGF Code;
- Prevention, control and firefighting and extinguishing systems on board ships subject to the IGF Code.

INCOME REQUIREMENTS

The program is opened to every seafarer. No special prequalification is required beyond what the STCW Convention requires, for the individual participant's responsibility on board.

To be assigned on Gas-fuelled ship operation training course, participant should present:

- national passport;
- "Basic Safety" training certificate - STCW Code, Section A-VI/1

COURSE LIMITATIONS

The maximum number of participants -24 persons. Practical exercises are conducted in groups (6 participants in each group).



TRAINING APPROACHES AND EQUIPMENT



The training consists of both theoretical and practical exercises that involve gas and the relevant systems, as well as personal protection while handling liquid and compressed gas.

Practical tasks are conducted using following equipment: MSA Multigas portable detectors, MSA Chemical indicator tubes, LNG simulator model - L3-DPA Simulations Group and Fire-Fighting simulator.

DURATION OF THE TRAINING COURSE



Including practical exercises the duration of this course is 5 days - 35 hours (50 academic hours). This includes two days for basic part and 3 consecutive days of advanced training.