

## Target group

Operational Use of Automatic Identification System (AIS) course is a training program for ship's Masters and navigational officers.

## Objectives of the Course

Trainees successfully completing this course and meeting the required performance standards, will be able to:

- Understand the objectives of AIS.
- Understand how AIS works as a system.
- Understand the benefits and limitations of the system.
- Understand the decision making process that needs to be applied in using such systems.
- Demonstrate competency in entering and checking ship's AIS data.
- Demonstrate competency in the use of AIS as an additional navigational tool to aid situational awareness and collision avoidance.
- Demonstrate competence in sending and responding to safety and security related messages.
- Familiarize themselves with a particular AIS use, prior to use at sea.

On completion of the course the learner/trainee should be able to demonstrate sufficient understanding and knowledge of AIS operation relevant skills to competently carry out the duties of officer in charge of a navigational watch. The program meets the latest requirements "IMO Model Course 1.34"

## Approval

The course is approved by Latvian Maritime Administration.

## Duration of the training course

The duration of the Operational Use of Automatic Identification System (AIS) course is 1 working day.

## Entry Standards

Training program for ship's Masters and navigational officers meeting STCW II/1 or II/2.

## Course contents

The Operational Use of Automatic Identification System (AIS) course covers the following topics:

### AIS system concepts

A basic description of AIS at a systems level:

- AIS objectives of the Organization;
- System concepts, Comparison of AIS with radar.

### AIS data

Detailed description of AIS data at a user level including safety/security related messages, AIS Aids to Navigation and AIS Binary Messages.

### AIS ship installations

AIS configuration description, including:

- Carriage requirements, MKD based configuration, Radar/ECDIS configuration;
- Overview of operational problems caused by installation issues.

### Use of AIS at sea

The safe use of AIS at sea:

- Bridge procedures, Data input and checking, UN/LOCODES, Use of safety and security related messages;
- Use of AIS Binary Messages, Use of AIS in areas with security or piracy implications;
- Use of AIS in oil terminals, AIS alarms, Cautions of use of AIS;
- Use of AIS to increase situational awareness in for both MKD only and radar/ECDIS installations;

- Implications of COLREGS, Use of AIS AtoN data, Manual setting of regional operating settings.

## **Practical exercise and acquaintance with the AIS equipment**

Description of information needed to become quickly familiarized with a ship's particular AIS configuration.

## **Course limitations**

The maximum number of participants – 9 persons.