

# DP AWARENESS COURSE



KONGSBERG

## COURSE DESCRIPTION

### LEARNING OBJECTIVES

After the course, the successful participants are able to:

- Define the principles of DP
- Recognise the component parts of a DP system
- Understand the relationship between vessel movement, position reference systems, sensors, computers, propulsion units and feedback
- Understand the concept of redundancy
- Understand the DP modes of control
- Describe the operation of sensors and common position reference systems
- Describe the operation of computers
- Describe propulsion units, types and configurations
- Understand power supply, redundancy and management
- Practice communication and watch handover procedures

### TARGET GROUP

Technical inspectors, fleet managers and other office or client personnel who have a need for general knowledge about dynamic positioning.

### ENTRY REQUIREMENTS

No special previous competence required.

### CONTENT

- Definition of DP, elements of the DP system, DP systems redundancy, and DnV Class Requirements
- Functions of the DP system and DP principles
- Different types of DP vessels and DP operations, sensors and use of sensor inputs
- Introduction to position reference systems and the DP system's use of position measurements
- Vessel capability, DP consequence analysis and DP capability analysis
- Thrusters and manoeuvring systems
- Power systems and Blackout Prevention
- Operational procedures for DP operation, and procedures for operating the DP system
- Study of DP incidents
- Principal use of the DP system

### LEARNING PROCESS

The training will be a combination of theoretical lessons and practical exercises. Each participant will have his own operator station with generic DP.

DURATION, 29 hours

NO. OF PARTICIPANTS, Maximum 9

### SPECIAL INFORMATION

The DP Awareness course is identical to the DP Basic Operator, which is the first phase of the Nautical Institute (NI) DP Operator Certification Scheme. However, NI requirements and examination are not applicable to delegates attending the DP Awareness course. Participants from both course variants may be mixed on the same training sessions and delegates who wish to attend the DP Awareness course will be booked through our DP Basic Operator training schedule.

The course is compliant with IMCA 117, appendix 3

### LANGUAGE

English if not otherwise agreed.

### ASSESSMENT

The participants knowledge will be tested by Kongsberg Maritime's assessment system.

### CERTIFICATE

Certification of attendance will be issued.

## BOOKING & INFORMATION

[www.km.kongsberg.com/training](http://www.km.kongsberg.com/training)

## TERMS & CONDITIONS

All training to be provided by KONGSBERG is subject to customer's acceptance of the KONGSBERG Terms & Conditions for Training.